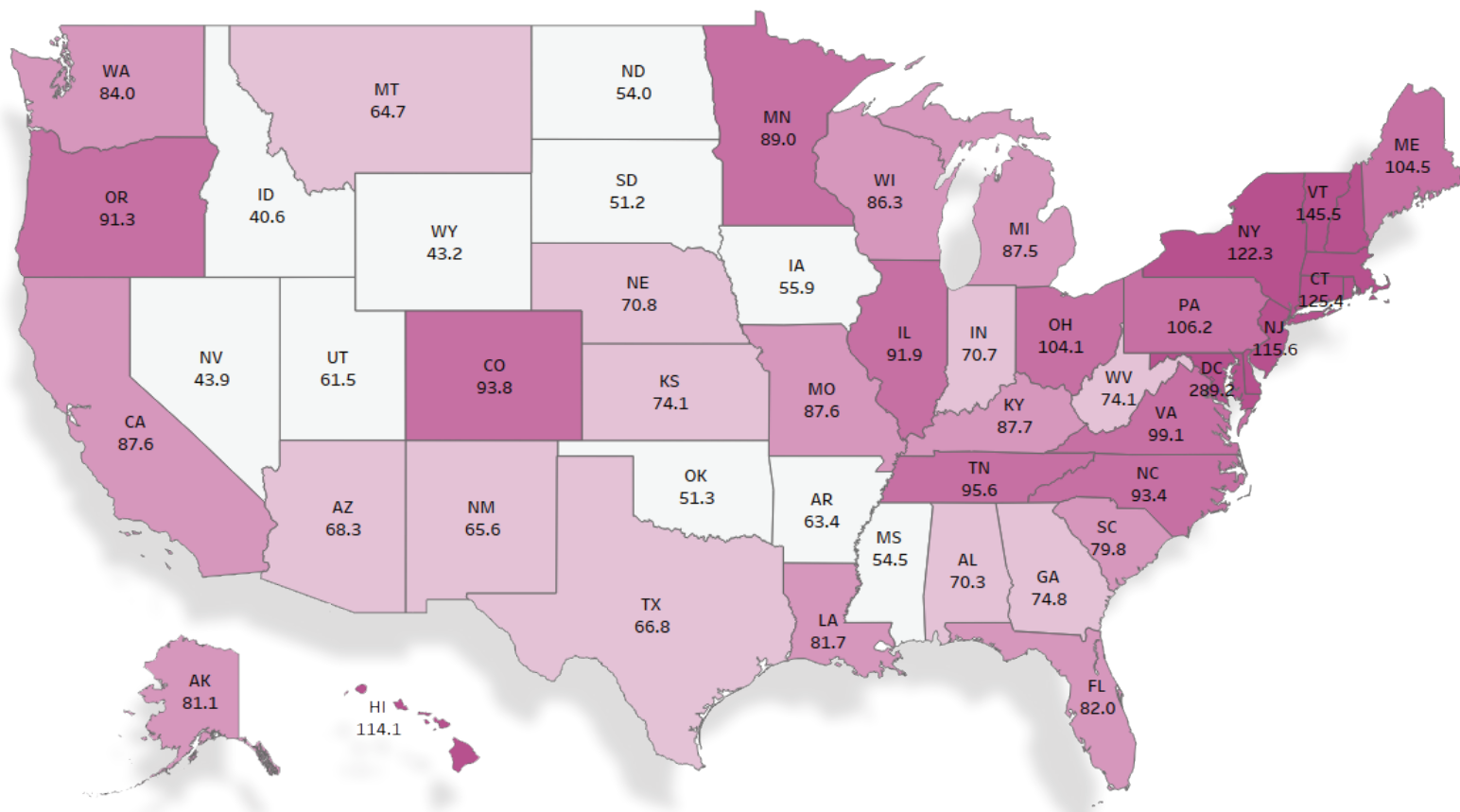




2018–2019

Pediatric Physicians

WORKFORCE DATA BOOK



Founded in 1933, the American Board of Pediatrics®. (ABP) is one of twenty-four physician certifying boards of the American Board of Medical Specialties (ABMS). The ABP is an independent, nonprofit organization whose certificate is recognized throughout the world as a credential signifying a high level of pediatric physician competence.

As a part of the ABP's ongoing operations, data are compiled annually to generate this workforce data book for the benefit of the pediatric community and the public at large. Data are provided only in aggregate and in accordance with the ABP's privacy policy (which, at the time of publication, can be found at <https://www.abp.org/content/privacy-policy>).

The information provided throughout this publication does not imply the expression of any opinion on the part of ABP concerning the workforce needs of any area, state, territory, or country. The authors are responsible for the choice and the presentation of the data and facts contained in this book and for any opinions that may be expressed herein, which are not necessarily those of the ABP.

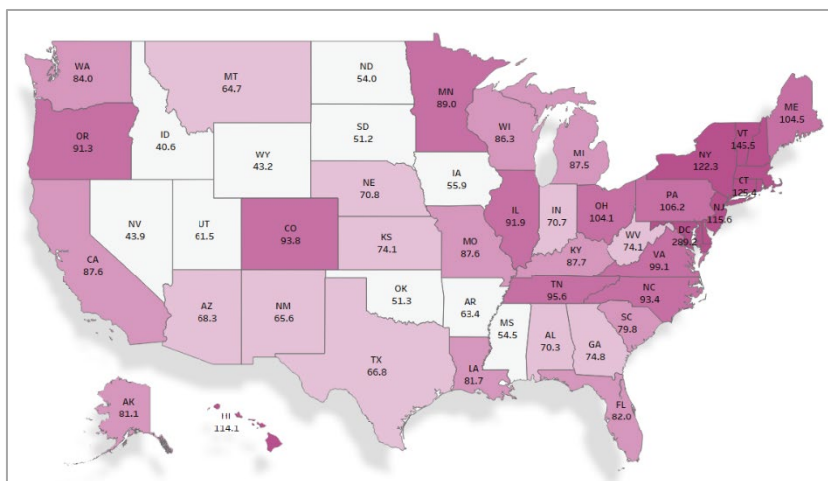


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Cover Image:

The figure on the cover illustrates the geographic distribution of general pediatricians per 100,000 children in each state. The following tables and figures in this book may be colored differently but represent the same information. Please visit the [ABP's workforce page](#) for interactive dashboards with similar and more detailed information.



Published by:



THE AMERICAN BOARD of PEDIATRICS
Certifying excellence in pediatrics for a healthier tomorrow

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Chapel Hill, NC 27514
Web: www.abp.org
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Suggested Citation:

American Board of Pediatrics, *Pediatric Physicians Workforce Data Book, 2018-2019*, Chapel Hill, NC: American Board of Pediatrics, 2019.

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Foreword

Welcome to the 2018-2019 edition of the *Pediatric Physicians Workforce Data Book*.

Since 1992, the American Board of Pediatrics (ABP) has shared workforce data about pediatric physicians with the larger medical community through the publication of an annual workforce data book. Over the years, this report has evolved to incorporate information across the entire span of a pediatrician's career, from training and certification through Maintenance of Certification (MOC). While we affirm that high-quality pediatric care increasingly relies on teams of professionals with backgrounds in multiple disciplines and specialties, this report builds on the data available to the ABP about pediatric physicians.

Tracking the pediatric physician workforce is essential for understanding its composition, numbers, distribution, and practice patterns, but the purpose of this report is not only to publish numbers. We believe this report provides valuable information to pediatricians, pediatric residency and subspecialty training program directors, hospital administrators, policy makers, researchers, and others interested in ensuring that we have the skilled workforce necessary to meet the health care needs of children, adolescents, young adults, and their families.

With this edition of the workforce data book, we have continued our changes to the content of the information provided for two primary reasons: 1) The ABP is in the process of shifting to online, interactive displays to allow user-driven access to similar data found in this book, and 2) census survey information found in previous versions of this book have been removed to be placed in a second report, which will focus specifically on data collected from those surveys. We welcome your feedback as we seek to continually improve our processes.

Last, the scope and depth of the current *ABP Pediatric Physicians Workforce Data Book, 2018-2019*, would not be possible without the information provided by trainees, program directors, and diplomates. We thank each of you for your commitment to ensuring that every child, adolescent, and young adult, no matter what their background or where they live, has access to quality pediatric care.

Sincerely,

David G. Nichols, MD, MBA
President & CEO
American Board of Pediatrics

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Acknowledgements

The American Board of Pediatrics (ABP) would like to first express its sincere gratitude to the many program directors, residents, fellows, and practicing pediatricians without whom this workforce book would not be possible.

We also thank staff at the ABP that assisted in data collection, entry, and management and in the production of the *Pediatric Physicians Workforce Data Book, 2018-2019*.

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The ABP Workforce Project Team welcomes questions regarding the data presented in this book, as well as any comments and suggestions you may have for future editions. Please contact us at workforce@abpeds.org.

Executive Summary

The *Pediatric Physicians Workforce Data Book, 2018-2019*, which is an update to the previous 2017-2018 version, examines the growth and distribution of the American Board of Pediatrics (ABP) diplomates (ie, pediatricians who have passed the General Pediatrics [GP] Certifying Examination) in the pediatric workforce.

Using the most current data available, this report includes: 1) counts and distribution of certifications awarded by the ABP and 2) tracking data, including the counts and placement of those in general pediatrics residency programs and fellowship programs. Where possible, this report provides the most current data available for each U.S. state, the District of Columbia (D.C.), and Puerto Rico in a series of maps and tables, including child population, child to pediatric diplomate ratios, and pediatric diplomate to 100,000 children ratios.

The primary data sources employed in this report are:

- The ABP Certification Management System (CMS).
- Tracking data submitted annually by residency and fellowship program directors and entered into CMS.
- U.S. Census Bureau Population Estimates as of July 1, 2017.

The *Pediatric Physicians Workforce Data Book, 2018-2019* is divided into the four main sections listed below. Please note this is a change from previous versions of this report; the census survey information will be included in a separate report to be published soon.

Section 1. General Information on All Certified Diplomates. Section 1 details the number and distribution of certifications the ABP has awarded to general pediatricians, pediatric subspecialists, and pediatricians certified through joint-board subspecialties since 1934.

Section 2: General Pediatrics Residency Tracking Data. Section 2 presents data from 2003-2018 on the number of residents in Categorical General Pediatrics programs, Medicine-Pediatrics programs, and Combined Pediatric programs.

Section 3: Subspecialty Fellowship Tracking Information. Section 3 similarly provides data from 2003-2018 on the number of fellows in training across the ABP's fourteen pediatric subspecialties. Section 3 provides a high-level comparison of the subspecialties.

Section 4: Individual Subspecialty Information: General Information and Fellowship Tracking Information. Section 4 and its subsections provide a subspecialty-specific view of data presented previously in Sections 1, 2, and 3.



Section 1. General Information on All Certified Diplomates

Section 1. General Information on All Certified Diplomates

Key Findings

- In 2018, there were 3,545 new ABP diplomates certified in General Pediatrics and 1,386 gained certification in one of fourteen subspecialties administered by the American Board of Pediatrics (ABP). (Table 1.1)
- Subspecialty certification exams are offered over a 2-year cycle. In 2017-18, the largest increases in newly certified subspecialists included Pediatric Emergency Medicine (2017, 286), Pediatric Cardiology (2018, 281), Pediatric Critical Care medicine (2018, 282), and Neonatal-Perinatal Medicine (2018, 472). (Table 1.1)
- The most common dual-subspecialty certification combination as of 2018 is Pediatric Pulmonary and Sleep Medicine (206 diplomates). (Table 1.3)
- In 2018, there were 121.7 ABP diplomates per 100,000 children. This includes U.S.-based general and subspecialty pediatric diplomates that have ever been certified, age 70 years and under. The lowest rates were found in the Western region of the United States with Wyoming having the lowest rate at 44.7 diplomates per 100,000 children per diplomate. The highest rates were found in the District of Columbia (409.7 diplomates/100,000 children) and Massachusetts (242.1 diplomates/100,000 children). (Table 1.5)

What does this section include?

Section 1 provides general information on all diplomates ever certified by the American Board of Pediatrics (ABP) dating back to 1934. The tables and figures in this section outline the overall growth in the specialty of general pediatrics and in the pediatric subspecialties, as well as provide a snapshot of U.S. pediatric workforce estimates as of 2018.

Specific information about recent general pediatrics (GP) residency and pediatric subspecialty (SS) fellowship training and workforce characteristics can be found in subsequent sections.

What is helpful to know when reviewing these data?

- To be included in the aggregated data reported in this section, an individual pediatrician must have passed a GP initial certification examination and have become board certified at some time in his/her career.
- The increase in general pediatric certifications awarded in 2012 is due to the time-limited eligibility policy implemented in 2014.
- The ABP is currently unable to access the U.S. Social Security Administration's Death Master File due to changes in federal regulations. Thus, the ABP cannot determine which diplomates have deceased in recent years. To better approximate an estimate of the actual numbers of certified pediatric physicians, a proxy measure has been used to limit the sample for analysis purposes to those ever certified and age 70 and under.
- Clinical activity of the pediatric workforce is a major concern for those examining workforce statistics. Unfortunately, the ABP is unable to fully report on whether individuals are clinically active and thus cannot report on the proportion of full-time equivalent pediatricians. Any data used for workforce estimates should control for rates of clinical inactivity and part-time employment among pediatricians.
- Address information is collected and updated at the different touchpoints as described in the ABP's *Pediatric Physicians Workforce Methodology Summary*. Please note: it is at the diplomate's discretion whether to provide a mailing address, which can be either a home address or work address. Diplomates may also live and work in different states. Thus, estimates of the number of pediatric physicians per state should be viewed as an approximation.

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Table 1.1. Yearly Count of All Pediatric Diplomates Ever Certified Since January 31, 1934

Certification type (year in parentheses indicates the year the certificate was first offered)	Through 2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
General Pediatrics (1934)	77,293	2,656	2,852	2,556	2,688	2,791	2,862	2,820	2,745	2,988	3,612	3,013	3,342	3,180	2,891	3,498	3,545	125,332
ABP Subspecialties																		
Adolescent Medicine (1994)	436	33	-	36	-	-	42	-	32	-	35	-	36	-	42	-	45	737
Pediatric Cardiology (1961)	1,740	-	130	-	145	-	190	-	220	-	247	-	275	-	271	-	281	3,499
Child Abuse Pediatrics (2009)	-	-	-	-	-	-	-	191	-	73	-	60	-	28	-	23	-	375
Pediatric Critical Care Medicine (1987)	1,134	-	153	-	166	-	215	-	213	-	239	-	257	-	316	-	282	2,975
Developmental-Behavioral Pediatrics (2002)	300	-	127	-	93	-	-	78	-	53	-	69	-	55	-	68	-	843
Pediatric Emergency Medicine (1992)	1,167	-	124	-	145	-	-	178	-	188	-	244	-	196	-	286	-	2,528
Pediatric Endocrinology (1978)	927	62	-	66	-	127	-	134	-	145	-	174	-	146	-	155	-	1,936
Pediatric Gastroenterology (1990)	722	63	-	87	-	118	-	139	-	145	-	195	-	180	-	195	-	1,844
Pediatric Hematology-Oncology (1974)	1,720	-	164	-	167	-	-	225	-	225	-	279	-	247	-	261	-	3,288
Pediatric Infectious Diseases (1994)	828	82	-	82	-	95	-	105	-	114	-	126	-	121	-	114	-	1,667
Neonatal-Perinatal Medicine (1975)	3,886	250	-	292	-	-	357	-	357	-	410	-	378	-	478	-	472	6,880
Pediatric Nephrology (1974)	601	33	-	36	-	-	57	-	50	-	66	-	89	-	64	-	78	1,074
Pediatric Pulmonology (1986)	708	-	59	-	54	-	76	-	110	-	84	-	112	-	98	-	117	1,418
Pediatric Rheumatology (1992)	192	-	23	-	22	-	-	33	-	42	-	52	-	43	-	50	-	457
Joint Board Subspecialties																		
Hospice and Palliative Medicine (2008)	-	-	-	-	-	-	47	-	53	-	110	-	24	-	43	-	70	347
Medical Toxicology (1994)	27	-	3	-	1	-	5	-	4	-	1	-	1	-	2	-	4	48
Neurodevelopmental Disabilities (2001)	189	-	32	20	-	12	-	2	-	0	-	0	-	-	-	-	-	255
Sleep Medicine (2007)	-	-	-	-	-	66	-	92	-	58	-	35	-	23	-	39	-	313
Sports Medicine (1993)	78	8	10	12	12	12	21	11	13	14	13	20	23	27	13	13	14	314
Transplant Hepatology (2006)	-	-	-	-	41	-	21	-	19	-	8	-	14	-	11	-	23	137
All Subspecialties	14,655	531	825	631	846	430	1,031	1,188	1,071	1,057	1,213	1,254	1,209	1,066	1,338	1,204	1,386	30,935

Source: ABP Certification Management System.

Sample: All ABP diplomates ever certified since 1934 (n=125,332).

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: This table may include pediatricians who are deceased, retired, and/or clinically inactive. Dashes indicate years where no examination was administered. All subspecialists must be certified in general pediatrics prior to being certified in a subspecialty; thus, the total number of subspecialists is included in the total number of general pediatricians. The increase in general pediatric certifications awarded in 2012 is most likely due to the implementation of the time-limited eligibility policy. From 2001 to 2007, the Neurodevelopmental Disabilities (NDD) certification was awarded by the ABP and the American Board of Psychiatry and Neurology (ABPN) to their respective diplomates. Since 2007, all first-time applicants have been required to apply directly to the ABPN for NDD certification, but applicants whose examination application had been approved previously (between 2001-2007) by the ABP were still allowed to take the examination through 2013. Since 2014, the NDD certification has been offered only by the ABPN. However, individuals initially certified from 2001 through 2009 in NDD by the ABP may still maintain their certification through the ABP.

Table 1.2. All Multi-Certified Pediatric Diplomates Ever Certified
(as of December 31, 2018)

Certification type	General Pediatrics	Adolescent Medicine	Pediatric Cardiology	Child Abuse Pediatrics	Pediatric Critical Care Medicine	Developmental-Behavioral Pediatrics	Pediatric Emergency Medicine	Pediatric Endocrinology	Pediatric Gastroenterology	Pediatric Hematology-Oncology	Pediatric Infectious Diseases	Neonatal-Perinatal Medicine	Pediatric Nephrology	Pediatric Pulmonology	Pediatric Rheumatology	Hospice and Palliative Medicine	Medical Toxicology	Neurodevelopmental Disabilities	Sleep Medicine	Sports Medicine	Transplant Hepatology
General Pediatrics	125,332	737	3,499	375	2,975	843	2,528	1,936	1,844	3,288	1,667	6,880	1,074	1,418	457	347	48	255	313	314	137
Adolescent Medicine	737	-	0	2	0	2	2	5	0	1	1	1	0	0	2	1	0	1	1	9	0
Pediatric Cardiology	3,499	0	-	0	145	0	2	0	0	0	0	42	0	0	0	0	0	0	1	0	0
Child Abuse Pediatrics	375	2	0	-	2	3	24	0	0	1	2	1	0	0	0	0	0	0	0	0	0
Pediatric Critical Care Medicine	2,975	0	145	2	-	0	18	1	2	6	12	50	9	68	1	56	2	0	11	0	0
Developmental-Behavioral Pediatrics	843	2	0	3	0	-	0	0	0	0	0	9	0	0	0	2	0	85	3	1	0
Pediatric Emergency Medicine	2,528	2	2	24	18	0	-	1	0	3	15	2	0	1	0	2	24	0	0	9	0
Pediatric Endocrinology	1,936	5	0	0	1	0	1	-	2	2	0	4	5	0	0	0	0	0	0	0	0
Pediatric Gastroenterology	1,844	0	0	0	2	0	0	2	-	0	0	3	0	0	0	0	0	1	0	0	137
Pediatric Hematology-Oncology	3,288	1	0	1	6	0	3	2	0	-	10	2	0	0	1	68	0	0	0	0	0
Pediatric Infectious Diseases	1,667	1	0	2	12	0	15	0	0	10	-	8	0	2	1	0	0	0	1	0	0
Neonatal-Perinatal Medicine	6,880	1	42	1	50	9	2	4	3	2	8	-	3	25	0	25	0	2	5	1	0
Pediatric Nephrology	1,074	0	0	0	9	0	0	5	0	0	0	3	-	0	2	0	0	0	0	1	0
Pediatric Pulmonology	1,418	0	0	0	68	0	1	0	0	0	2	25	0	-	0	1	1	0	212	1	0
Pediatric Rheumatology	457	2	0	0	1	0	0	0	0	1	1	0	2	0	-	0	0	0	0	2	0
Hospice and Palliative Medicine	347	1	0	0	56	2	2	0	0	68	0	25	0	1	0	-	0	2	0	0	0
Medical Toxicology	48	0	0	0	2	0	24	0	0	0	0	0	0	1	0	0	-	0	0	0	0
Neurodevelopmental Disabilities	255	1	0	0	0	85	0	0	1	0	0	2	0	0	0	2	0	-	0	1	0
Sleep Medicine	313	1	1	0	11	3	0	0	0	0	1	5	0	212	0	0	0	0	-	0	0
Sports Medicine	314	9	0	0	0	1	9	0	0	0	0	1	1	1	2	0	0	1	0	-	0
Transplant Hepatology	137	0	0	0	0	0	0	0	137	0	0	0	0	0	0	0	0	0	0	0	-

Source: ABP Certification Management System.

Sample: All ABP diplomates ever certified since 1934 (n=125,332).

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: All ABP diplomates must be certified in General Pediatrics before becoming certified in a subspecialty. Diplomates may become certified in one or more areas and may be rescertified more than once in this table. Certifications offered solely by other boards are not listed in this table. From 2001 to 2007, the Neurodevelopmental Disabilities (NDD) certification was awarded by the ABP and the American Board of Psychiatry and Neurology (ABPN) to their respective diplomates. Since 2007, all first-time applicants have been required to apply directly to the ABPN for NDD certification, but applicants whose examination application had been approved previously (between 2001-2007) by the ABP were still allowed to take the examination through 2013. Since 2014, initial NDD certification has been offered only by the ABPN. However, individuals initially certified from 2001 through 2009 in NDD by the ABP may still maintain their certification through the ABP.

Table 1.3. All Multi-Certified Pediatric Diplomates Ever Certified, Age 70 and Under
(as of December 31, 2018)

Certification type	General Pediatrics	Adolescent Medicine	Pediatric Cardiology	Child Abuse Pediatrics	Pediatric Critical Care Medicine	Developmental-Behavioral Pediatrics	Pediatric Emergency Medicine	Pediatric Endocrinology	Pediatric Gastroenterology	Pediatric Hematology-Oncology	Pediatric Infectious Diseases	Neonatal-Perinatal Medicine	Pediatric Nephrology	Pediatric Pulmonology	Pediatric Rheumatology	Hospice and Palliative Medicine	Medical Toxicology	Neurodevelopmental Disabilities	Sleep Medicine	Sports Medicine	Transplant Hepatology
General Pediatrics	97,351	646	2,832	346	2,868	745	2,444	1,555	1,708	2,649	1,462	5,601	772	1,266	417	337	43	202	299	298	128
Adolescent Medicine	646	-	0	1	0	1	2	2	0	0	0	0	0	0	1	1	0	1	1	9	0
Pediatric Cardiology	2,832	0	-	0	131	0	2	0	0	0	0	21	0	0	0	0	0	0	1	0	0
Child Abuse Pediatrics	346	1	0	-	2	3	22	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Pediatric Critical Care Medicine	2,868	0	131	2	-	0	16	1	1	6	9	35	6	52	1	56	2	0	10	0	0
Developmental-Behavioral Pediatrics	745	1	0	3	0	-	0	0	0	0	0	7	0	0	0	2	0	72	3	1	0
Pediatric Emergency Medicine	2,444	2	2	22	16	0	-	1	0	1	14	1	0	1	0	2	23	0	0	8	0
Pediatric Endocrinology	1,555	2	0	0	1	0	1	-	2	2	0	2	1	0	0	0	0	0	0	0	0
Pediatric Gastroenterology	1,708	0	0	0	1	0	0	2	-	0	0	3	0	0	0	0	0	1	0	0	128
Pediatric Hematology-Oncology	2,649	0	0	1	6	0	1	2	0	-	9	0	0	0	0	65	0	0	0	0	0
Pediatric Infectious Diseases	1,462	0	0	1	9	0	14	0	0	9	-	7	0	1	1	0	0	0	1	0	0
Neonatal-Perinatal Medicine	5,601	0	21	1	35	7	1	2	3	0	7	-	2	8	0	23	0	2	3	1	0
Pediatric Nephrology	772	0	0	0	6	0	0	1	0	0	0	2	-	0	2	0	0	0	0	0	0
Pediatric Pulmonology	1,266	0	0	0	52	0	1	0	0	0	1	8	0	-	0	1	1	0	205	1	0
Pediatric Rheumatology	417	1	0	0	1	0	0	0	0	0	1	0	2	0	-	0	0	0	0	2	0
Hospice and Palliative Medicine	337	1	0	0	56	2	2	0	0	65	0	23	0	1	0	-	0	2	0	0	0
Medical Toxicology	43	0	0	0	2	0	23	0	0	0	0	0	0	1	0	0	-	0	0	0	0
Neurodevelopmental Disabilities	202	1	0	0	0	72	0	0	1	0	0	2	0	0	0	2	0	-	0	1	0
Sleep Medicine	299	1	1	0	10	3	0	0	0	0	1	3	0	205	0	0	0	0	-	0	0
Sports Medicine	298	9	0	0	0	1	8	0	0	0	0	1	0	1	2	0	0	1	0	-	0
Transplant Hepatology	128	0	0	0	0	0	0	0	128	0	0	0	0	0	0	0	0	0	0	0	-

Source: ABP Certification Management System.

Sample: All ABP diplomates ever certified, age 70 and under, since 1934 (n=97,351).

Response Rate: Not applicable.

Missing Data: Birth year data are unavailable for approximately 7.9% of diplomates ever certified and these diplomates are not included in this table.

Considerations for Interpretation: All ABP diplomates must be certified in General Pediatrics before becoming certified in a subspecialty. Diplomates may become certified in one or more areas and may be respresented more than once in this table. Certifications offered solely by other boards are not listed in this table. From 2001 to 2007, the Neurodevelopmental Disabilities (NDD) certification was awarded by the ABP and the American Board of Psychiatry and Neurology (ABPN) to their respective diplomates. Since 2007, all first-time applicants have been required to apply directly to the ABPN for NDD certification, but applicants whose examination application had been approved previously (between 2001-2007) by the ABP were still allowed to take the examination through 2013. Since 2014, initial NDD certification has been offered only by the ABPN. However, individuals initially certified from 2001 through 2009 in NDD by the ABP may still maintain their certification through the ABP.

Figure 1.1 Yearly Count of General Pediatricians Certified Since 2003 by Gender

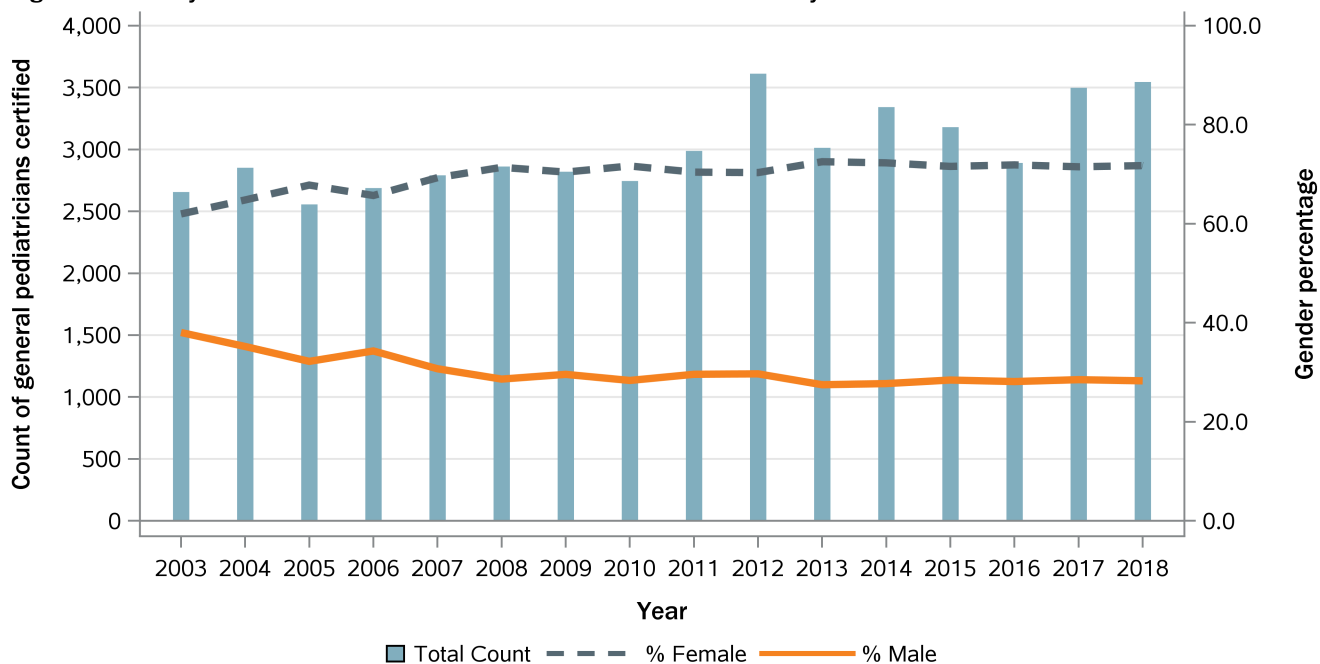
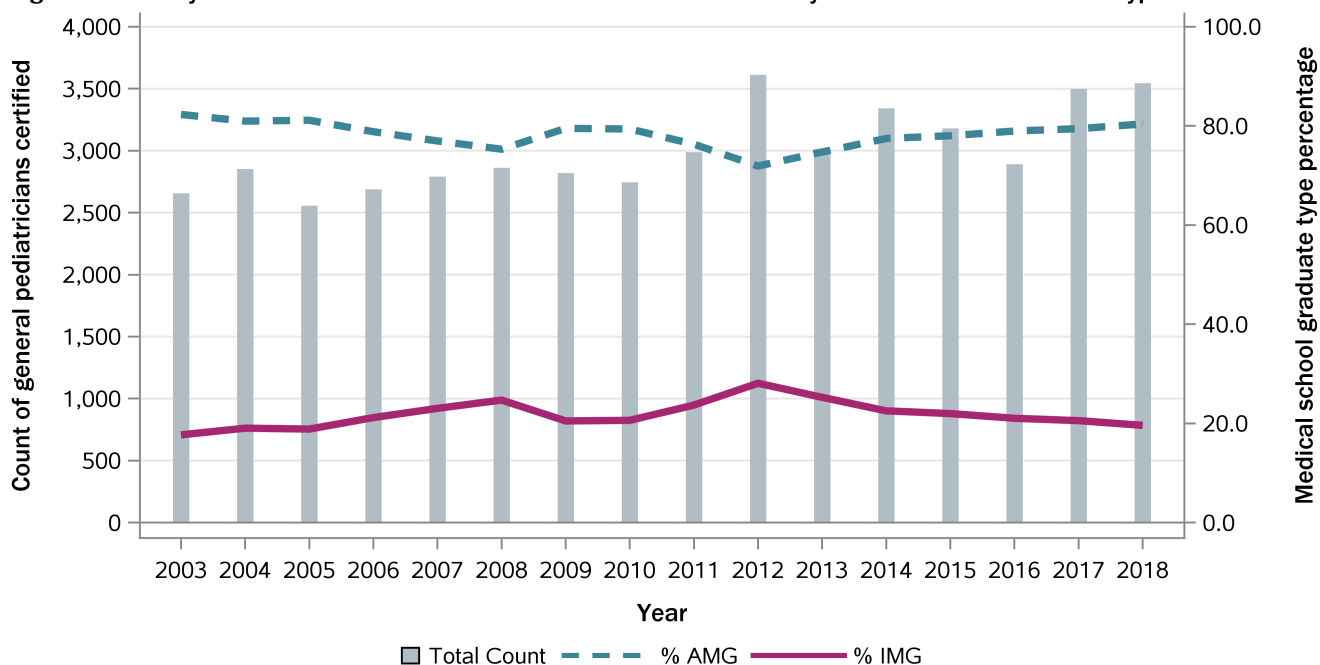


Figure 1.2 Yearly Count of General Pediatricians Certified Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System.

Sample: All ABP diplomates ever certified since 2003 (n=48,039).

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: The increase in general pediatric certifications awarded in 2012 is most likely due to the implementation of the time-limited eligibility policy. Detailed information can be found in Tables 1.1 and 1.4.

Figure 1.3 Yearly Count of Pediatric Subspecialists Certified Since 2003 by Gender

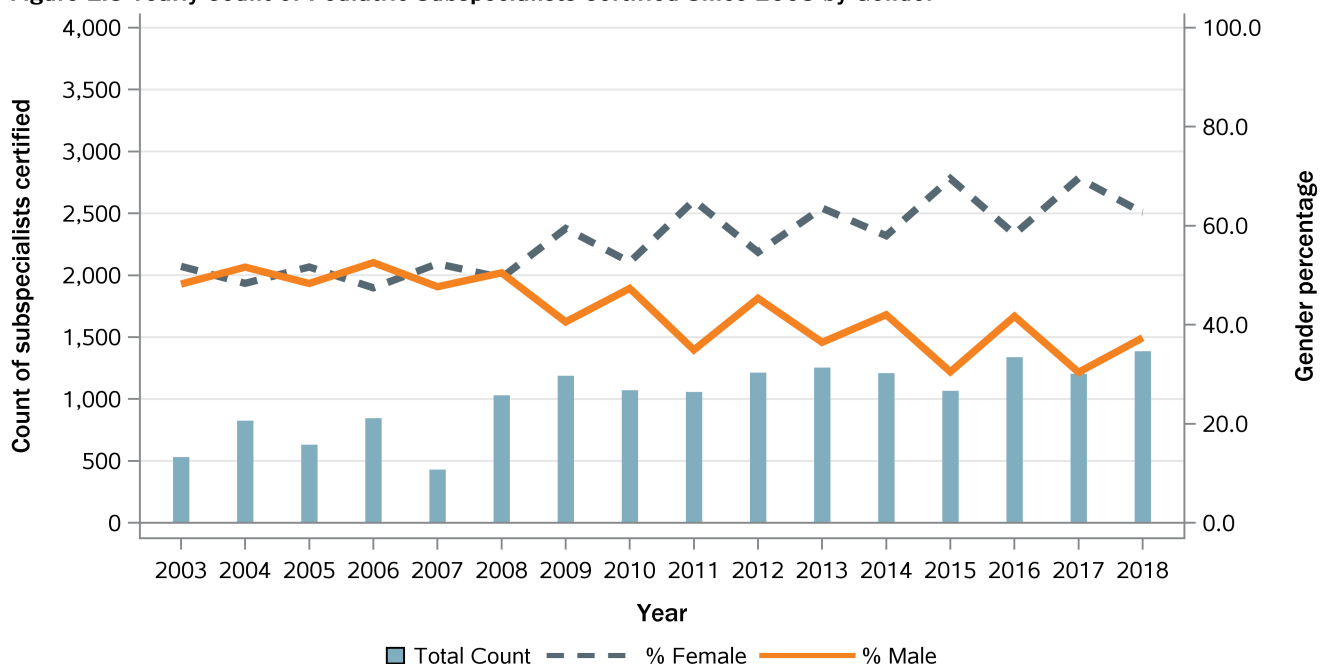
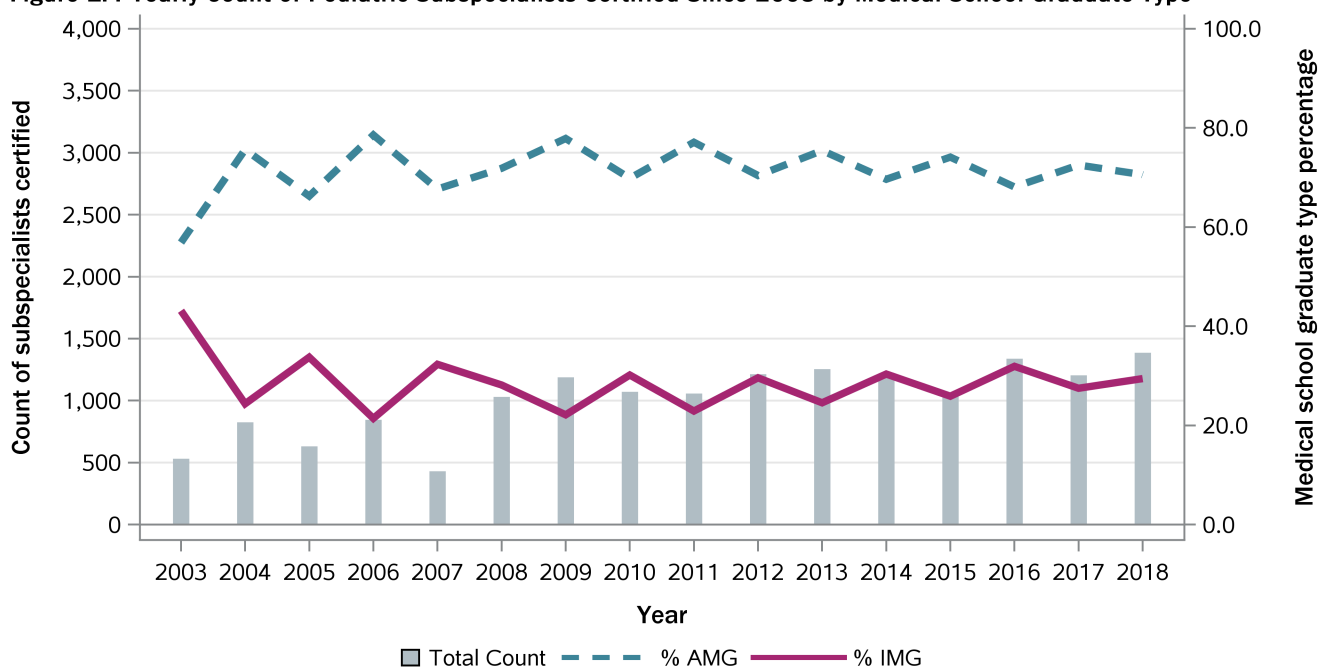


Figure 1.4 Yearly Count of Pediatric Subspecialists Certified Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System.

Sample: All diplomates ever certified in an ABP subspecialty or Joint Board Subspecialty since 2003 (n=16,280).

Response Rate: Not applicable.

Missing Data: Gender and medical school graduate type data were unavailable for 2 (0.01%) subspecialist diplomates certified between 2003 and 2018 and are not included in this figure.

Considerations for Interpretation: Detailed information can be found in Tables 1.1 and 1.4.

Table 1.4. All Pediatric Diplomates Ever Certified, Age 70 and Under: Distribution of Certificate Status by Demographics

(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=10,866)		Time-limited/ no end date (n=68,962)		Lapsed (n=17,314)		Revoked (n=209)		Total (n=97,351)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	852	1.2	0	0.0	0	0.0	852	0.9
31 to 40	0	0.0	24,645	35.7	787	4.5	5	2.4	25,437	26.1
41 to 50	0	0.0	22,411	32.5	4,822	27.9	28	13.4	27,261	28.0
51 to 60	41	0.4	15,966	23.2	7,238	41.8	65	31.1	23,310	23.9
61 to 70	10,825	99.6	5,088	7.4	4,467	25.8	111	53.1	20,491	21.0
Gender										
Female	4,602	42.4	46,629	67.6	8,847	51.1	55	26.3	60,133	61.8
Male	6,264	57.6	22,333	32.4	8,467	48.9	154	73.7	37,218	38.2
Medical school graduate type										
AMG	9,296	85.6	53,468	77.5	12,342	71.3	157	75.1	75,263	77.3
IMG	1,570	14.4	15,494	22.5	4,972	28.7	52	24.9	22,088	22.7

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in General Pediatrics (n=97,351).

Response Rate: Not applicable.

Missing Data: Birth year data are unavailable for approximately 7.9% of diplomates ever certified and these diplomates are not included in this table.

Considerations for Interpretation: Percentages in this table are column percentages. After May 1, 1988, the ABP no longer offered permanent certificates. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time/part-time, or deceased is unavailable.

Table 1.5. US-Based Pediatric Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios

(as of December 31, 2018)

State	Child population (n)	Diplomates and ratios, general pediatricians only			Diplomates and ratios, including subspecialists		
		Diplomates (n)	Child population per diplomate	Diplomates per 100,000 children	Diplomates (n)	Child population per diplomate	Diplomates per 100,000 children
Alabama	1,095,448	770	1,422.7	70.3	999	1,096.5	91.2
Alaska	184,928	150	1,232.9	81.1	186	994.2	100.6
Arizona	1,633,486	1,116	1,463.7	68.3	1,494	1,093.4	91.5
Arkansas	705,540	447	1,578.4	63.4	605	1,166.2	85.7
California	9,059,950	7,937	1,141.5	87.6	10,597	855.0	117.0
Colorado	1,261,831	1,183	1,066.6	93.8	1,682	750.2	133.3
Connecticut	743,826	933	797.2	125.4	1,279	581.6	171.9
Delaware	204,484	222	921.1	108.6	310	659.6	151.6
District of Columbia	124,492	360	345.8	289.2	510	244.1	409.7
Florida	4,201,974	3,444	1,220.1	82.0	4,807	874.1	114.4
Georgia	2,514,381	1,880	1,337.4	74.8	2,489	1,010.2	99.0
Hawaii	305,744	349	876.1	114.1	462	661.8	151.1
Idaho	443,792	180	2,465.5	40.6	235	1,888.5	53.0
Illinois	2,897,059	2,663	1,087.9	91.9	3,596	805.6	124.1
Indiana	1,573,409	1,113	1,413.7	70.7	1,477	1,065.3	93.9
Iowa	731,947	409	1,789.6	55.9	573	1,277.4	78.3
Kansas	712,538	528	1,349.5	74.1	743	959.0	104.3
Kentucky	1,010,537	886	1,140.6	87.7	1,115	906.3	110.3
Louisiana	1,108,402	906	1,223.4	81.7	1,136	975.7	102.5
Maine	252,634	264	956.9	104.5	365	692.1	144.5
Maryland	1,347,506	1,906	707.0	141.4	2,679	503.0	198.8
Massachusetts	1,369,953	2,304	594.6	168.2	3,317	413.0	242.1
Michigan	2,176,649	1,904	1,143.2	87.5	2,520	863.7	115.8
Minnesota	1,298,657	1,156	1,123.4	89.0	1,600	811.7	123.2
Mississippi	713,563	389	1,834.4	54.5	505	1,413.0	70.8
Missouri	1,382,874	1,211	1,141.9	87.6	1,727	800.7	124.9
Montana	228,889	148	1,546.5	64.7	187	1,224.0	81.7
Nebraska	475,733	337	1,411.7	70.8	468	1,016.5	98.4
Nevada	685,463	301	2,277.3	43.9	433	1,583.1	63.2
New Hampshire	258,773	286	904.8	110.5	357	724.9	138.0
New Jersey	1,978,999	2,287	865.3	115.6	3,153	627.7	159.3
New Mexico	488,090	320	1,525.3	65.6	416	1,173.3	85.2
New York	4,154,497	5,079	818.0	122.3	6,971	596.0	167.8
North Carolina	2,302,313	2,150	1,070.8	93.4	2,849	808.1	123.7
North Dakota	175,771	95	1,850.2	54.0	125	1,406.2	71.1
Ohio	2,605,235	2,712	960.6	104.1	3,880	671.5	148.9
Oklahoma	959,226	492	1,949.6	51.3	638	1,503.5	66.5
Oregon	873,619	798	1,094.8	91.3	1,060	824.2	121.3
Pennsylvania	2,664,515	2,830	941.5	106.2	4,066	655.3	152.6
Rhode Island	207,332	302	686.5	145.7	402	515.8	193.9
South Carolina	1,104,265	881	1,253.4	79.8	1,161	951.1	105.1
South Dakota	214,856	110	1,953.2	51.2	167	1,286.6	77.7
Tennessee	1,507,500	1,441	1,046.1	95.6	2,033	741.5	134.9
Texas	7,365,951	4,918	1,497.8	66.8	6,894	1,068.5	93.6
Utah	926,699	570	1,625.8	61.5	795	1,165.7	85.8
Vermont	116,825	170	687.2	145.5	226	516.9	193.5
Virginia	1,869,162	1,852	1,009.3	99.1	2,468	757.4	132.0
Washington	1,645,811	1,383	1,190.0	84.0	1,949	844.4	118.4
West Virginia	369,718	274	1,349.3	74.1	346	1,068.5	93.6
Wisconsin	1,282,642	1,107	1,158.7	86.3	1,495	858.0	116.6
Wyoming	136,483	59	2,313.3	43.2	61	2,237.4	44.7
Total	73,653,971	65,512	1,124.3	88.9	89,608	822.0	121.7

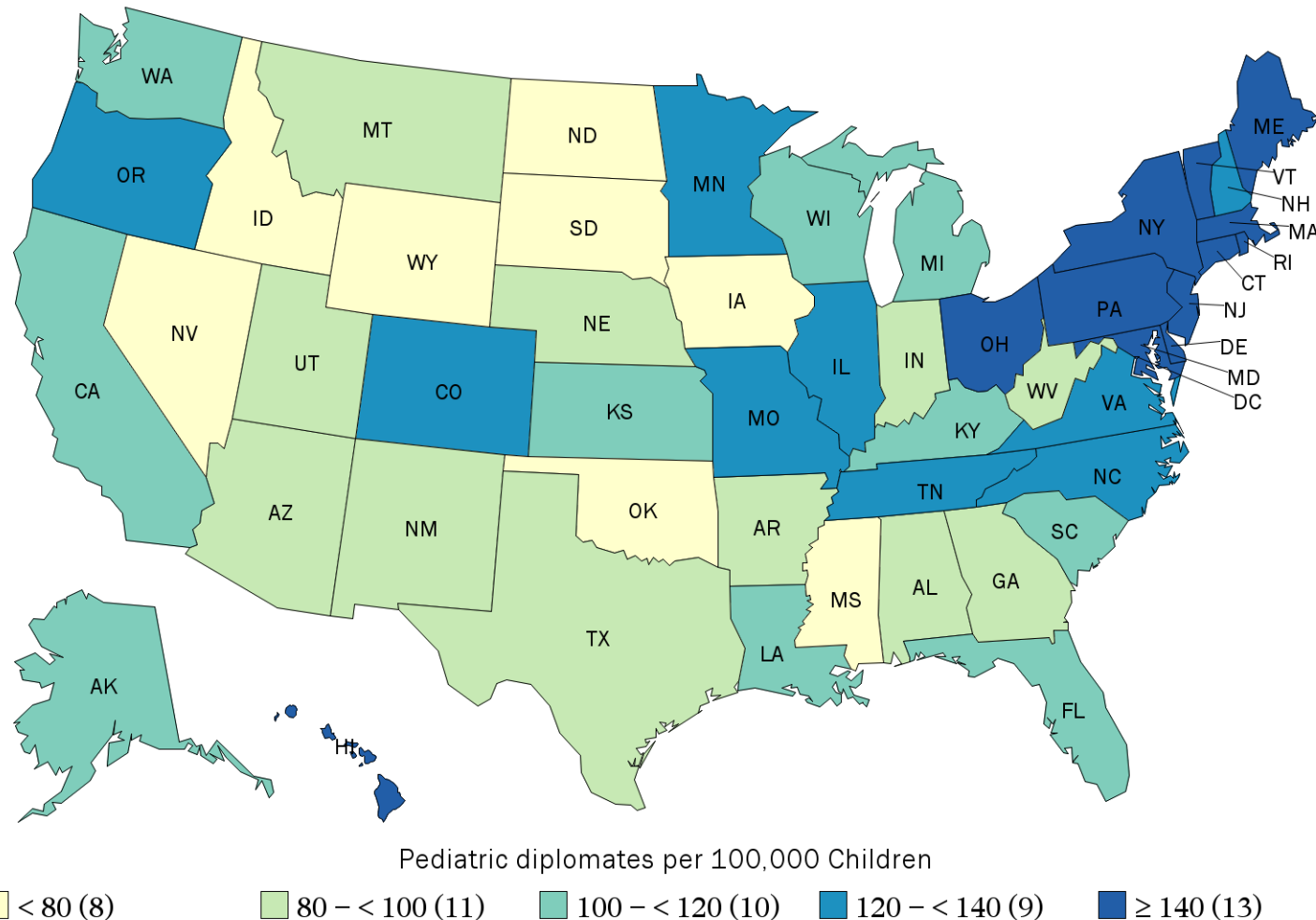
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based diplomates ever certified, age 70 and under, with and without subspecialties (n=89,608) among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing data/considerations for interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 35,724 (28.5%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (5,132, 4.1%), and diplomates with an address outside of the 50 US states and the District of Columbia (2,611, 2.1%). State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased. While included in this map, approximately 13.7% of US-based diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked.

**Figure 1.5. Distribution of US-Based General and Subspecialty Pediatric Diplomates Ever Certified,
Age 70 and Under, per 100,000 Children by State**
(as of December 31, 2018)



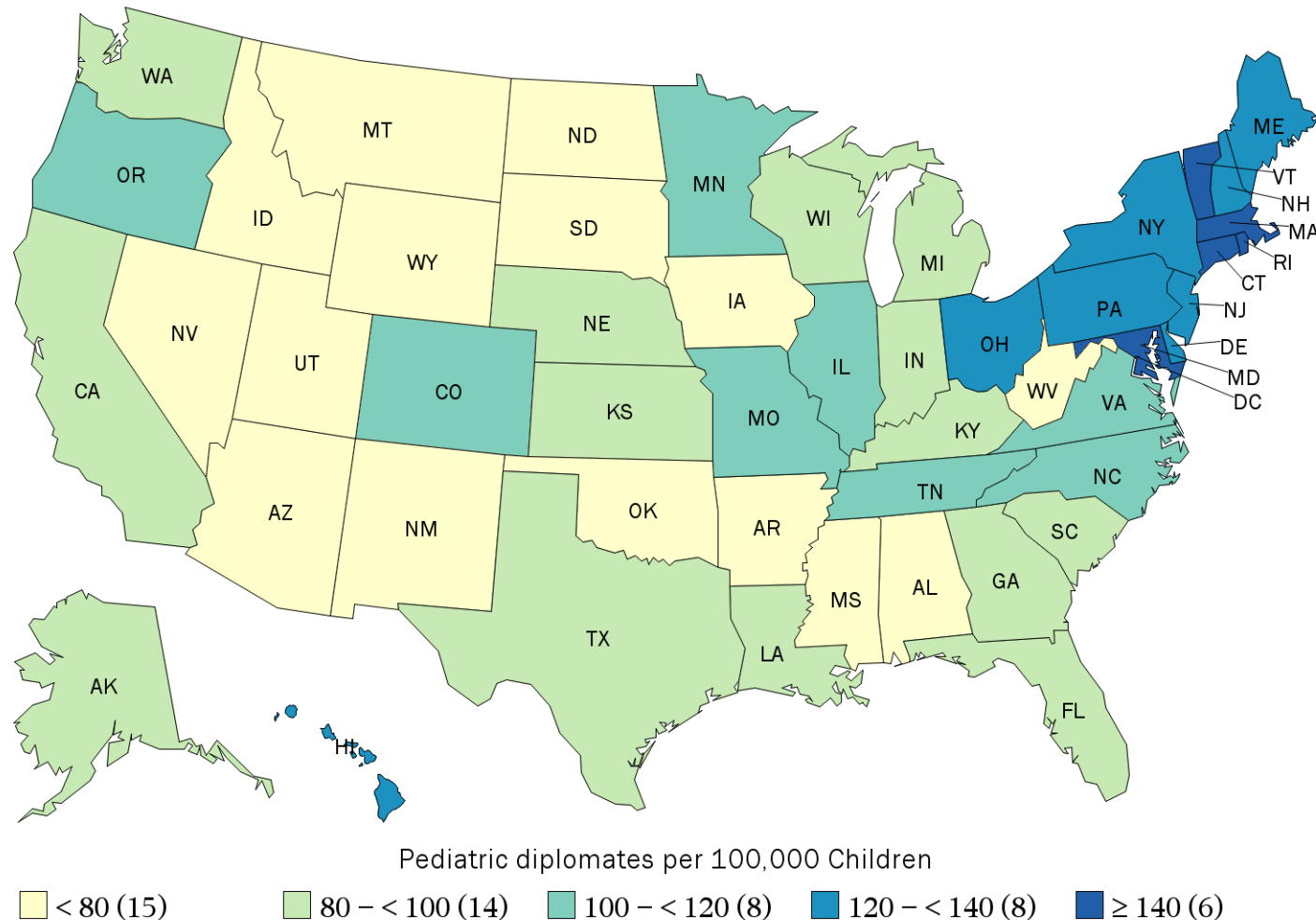
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based diplomates ever certified, age 70 and under, with and without subspecialties (n=89,608) among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing data/considerations for interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 35,724 (28.5%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (5,132, 4.1%), and diplomates with an address outside of the 50 US states and the District of Columbia (2,611, 2.1%). State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased. While included in this table, approximately 13.7% of US-based diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked.

**Figure 1.6. Distribution of US-Based General and Subspecialty Pediatric Diplomates Currently Certified,
Age 70 and Under, per 100,000 Children by State**
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based diplomates currently certified, age 70 and under, with and without subspecialties (n=76,214) among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 49,118 (39.2%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (2,285, 1.8%), diplomates with an address outside of the 50 US states and the District of Columbia (1,329, 1.1%), and diplomates who are not currently certified (17,523, 14.0%). Those permanently certified are included in this map. State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased.

Table 1.6. US-Based Pediatric Diplomates Currently Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Diplomates and ratios, general pediatricians only			Diplomates and ratios, including subspecialists		
		Diplomates (n)	Child population per diplomate	Diplomates per 100,000 children	Diplomates (n)	Child population per diplomate	Diplomates per 100,000 children
Alabama	1,095,448	693	1,580.7	63.3	876	1,250.5	80.0
Alaska	184,928	139	1,330.4	75.2	164	1,127.6	88.7
Arizona	1,633,486	980	1,666.8	60.0	1,257	1,299.5	77.0
Arkansas	705,540	387	1,823.1	54.9	511	1,380.7	72.4
California	9,059,950	7,061	1,283.1	77.9	8,981	1,008.8	99.1
Colorado	1,261,831	1,081	1,167.3	85.7	1,444	873.8	114.4
Connecticut	743,826	844	881.3	113.5	1,095	679.3	147.2
Delaware	204,484	196	1,043.3	95.9	264	774.6	129.1
District of Columbia	124,492	334	372.7	268.3	452	275.4	363.1
Florida	4,201,974	3,036	1,384.0	72.3	4,046	1,038.6	96.3
Georgia	2,514,381	1,710	1,470.4	68.0	2,149	1,170.0	85.5
Hawaii	305,744	304	1,005.7	99.4	400	764.4	130.8
Idaho	443,792	166	2,673.4	37.4	203	2,186.2	45.7
Illinois	2,897,059	2,435	1,189.8	84.1	3,160	916.8	109.1
Indiana	1,573,409	1,013	1,553.2	64.4	1,288	1,221.6	81.9
Iowa	731,947	382	1,916.1	52.2	500	1,463.9	68.3
Kansas	712,538	459	1,552.4	64.4	627	1,136.4	88.0
Kentucky	1,010,537	758	1,333.2	75.0	939	1,076.2	92.9
Louisiana	1,108,402	773	1,433.9	69.7	946	1,171.7	85.3
Maine	252,634	242	1,043.9	95.8	314	804.6	124.3
Maryland	1,347,506	1,653	815.2	122.7	2,219	607.3	164.7
Massachusetts	1,369,953	2,081	658.3	151.9	2,797	489.8	204.2
Michigan	2,176,649	1,694	1,284.9	77.8	2,147	1,013.8	98.6
Minnesota	1,298,657	1,046	1,241.5	80.5	1,371	947.2	105.6
Mississippi	713,563	324	2,202.4	45.4	416	1,715.3	58.3
Missouri	1,382,874	1,101	1,256.0	79.6	1,507	917.6	109.0
Montana	228,889	132	1,734.0	57.7	156	1,467.2	68.2
Nebraska	475,733	307	1,549.6	64.5	406	1,171.8	85.3
Nevada	685,463	264	2,596.5	38.5	357	1,920.1	52.1
New Hampshire	258,773	256	1,010.8	98.9	315	821.5	121.7
New Jersey	1,978,999	1,972	1,003.5	99.6	2,596	762.3	131.2
New Mexico	488,090	282	1,730.8	57.8	351	1,390.6	71.9
New York	4,154,497	4,418	940.4	106.3	5,810	715.1	139.8
North Carolina	2,302,313	1,928	1,194.1	83.7	2,413	954.1	104.8
North Dakota	175,771	90	1,953.0	51.2	118	1,489.6	67.1
Ohio	2,605,235	2,464	1,057.3	94.6	3,331	782.1	127.9
Oklahoma	959,226	430	2,230.8	44.8	535	1,792.9	55.8
Oregon	873,619	726	1,203.3	83.1	913	956.9	104.5
Pennsylvania	2,664,515	2,578	1,033.6	96.8	3,457	770.8	129.7
Rhode Island	207,332	271	765.1	130.7	342	606.2	165.0
South Carolina	1,104,265	779	1,417.5	70.5	973	1,134.9	88.1
South Dakota	214,856	99	2,170.3	46.1	144	1,492.1	67.0
Tennessee	1,507,500	1,276	1,181.4	84.6	1,690	892.0	112.1
Texas	7,365,951	4,437	1,660.1	60.2	5,919	1,244.5	80.4
Utah	926,699	536	1,728.9	57.8	707	1,310.7	76.3
Vermont	116,825	155	753.7	132.7	201	581.2	172.1
Virginia	1,869,162	1,696	1,102.1	90.7	2,166	863.0	115.9
Washington	1,645,811	1,237	1,330.5	75.2	1,639	1,004.2	99.6
West Virginia	369,718	234	1,580.0	63.3	288	1,283.7	77.9
Wisconsin	1,282,642	1,007	1,273.7	78.5	1,259	1,018.8	98.2
Wyoming	136,483	53	2,575.2	38.8	55	2,481.5	40.3
Total	73,653,971	58,519	1,258.6	79.5	76,214	966.4	103.5

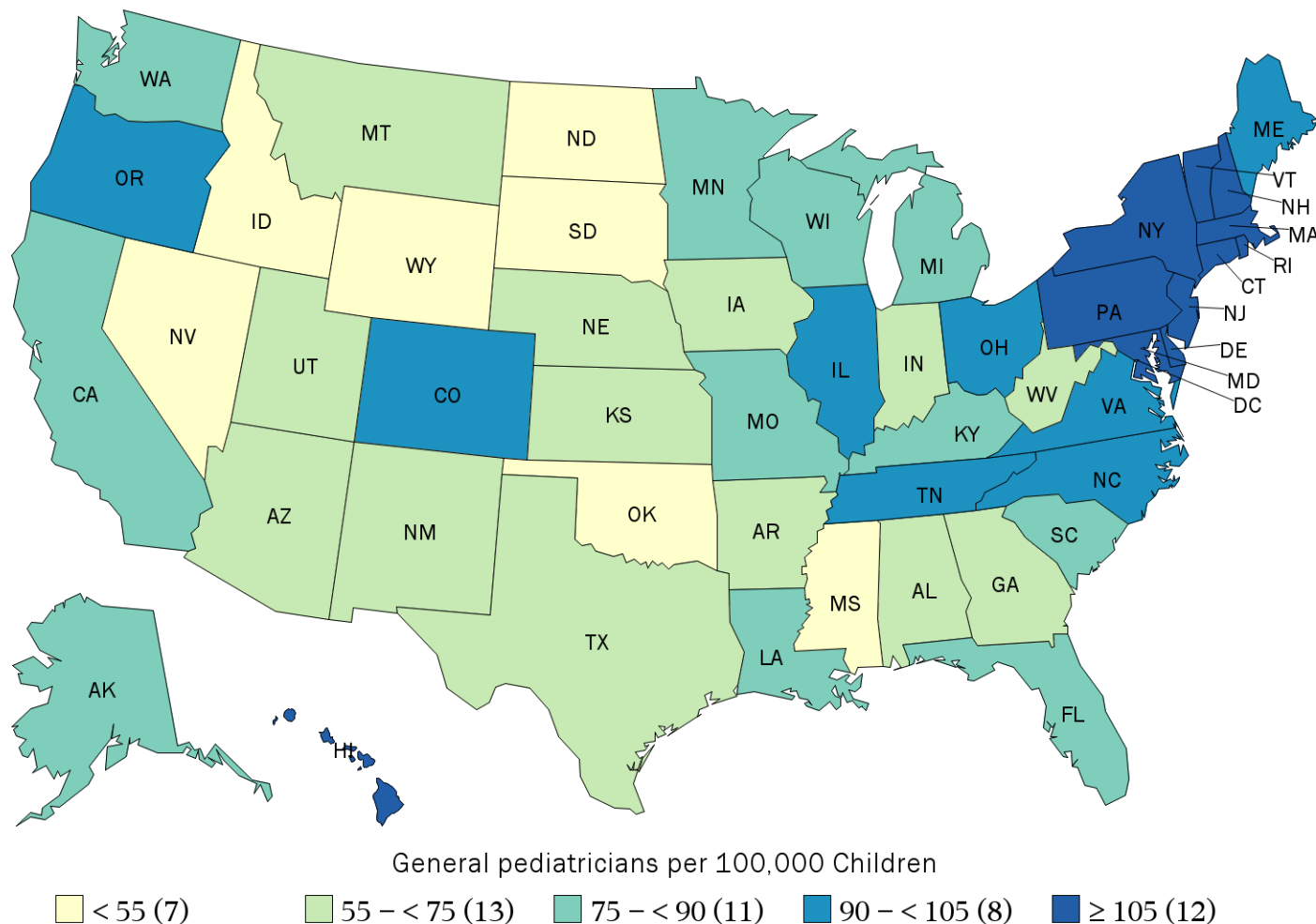
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based diplomates currently certified, age 70 and under, with and without subspecialties (n=76,214) among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 49,118 (39.2%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (2,285, 1.8%), diplomates with an address outside of the 50 US states and the District of Columbia (1,329, 1.1%), and diplomates who are not currently certified (17,523, 14.0%). Those permanently certified are included in this table. State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased.

Figure 1.7. Distribution of US-Based General Pediatricians Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



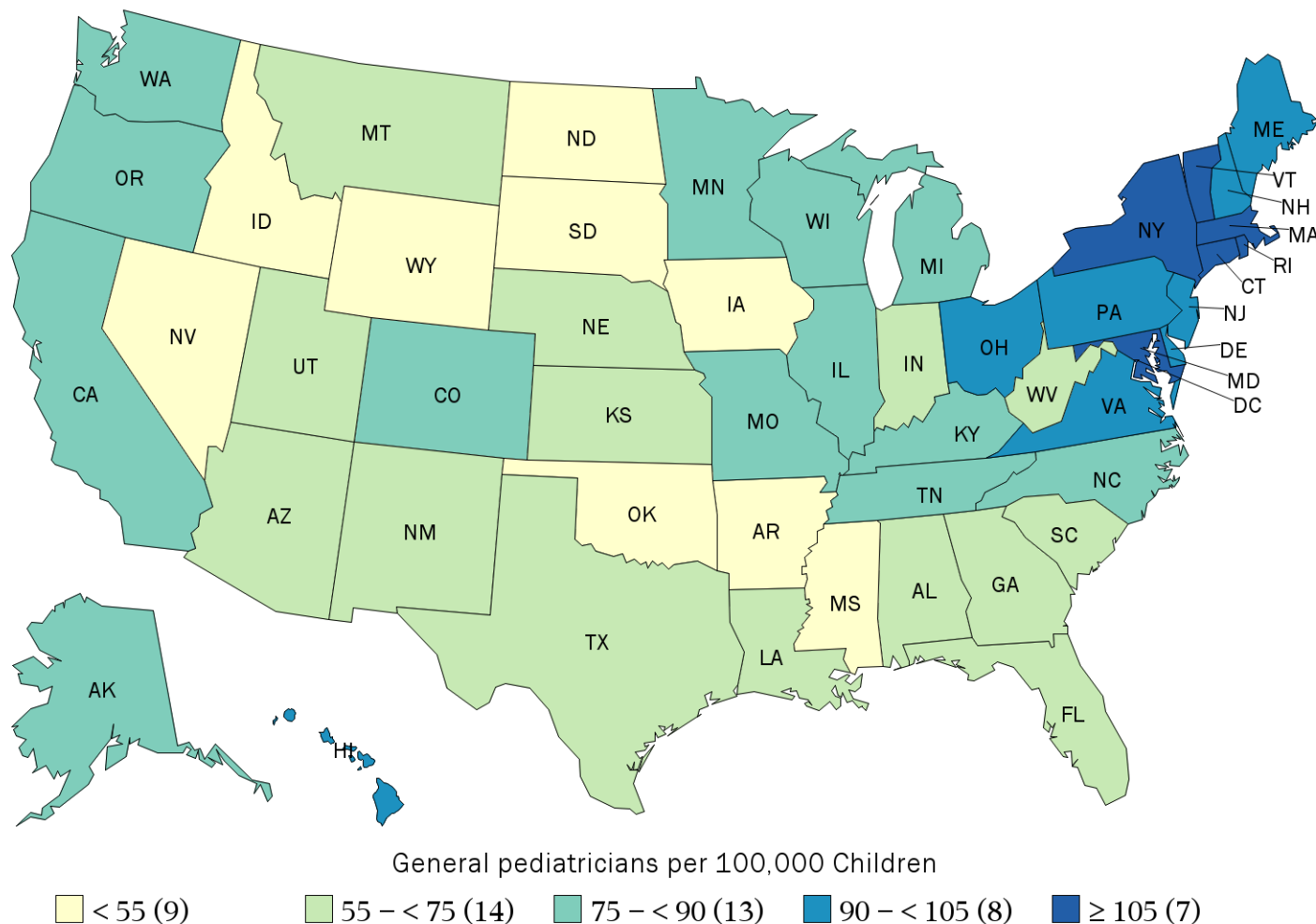
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based general pediatricians ever certified, age 70 and under (n=65,512), among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing data/considerations for interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 59,820 (47.7%) were not included in this map. These include the following unduplicated diplomates: diplomates who hold a certification in one or more subspecialties (24,096, 19.2%), diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (5,132, 4.1%), and diplomates with an address outside of the 50 US states and the District of Columbia (2,611, 2.1%). State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased. While included in this table, approximately 5.5% of US-based general pediatricians age 70 and under have lapsed certificates, and 0.07% have had their certifications revoked.

Figure 1.8. Distribution of US-Based General Pediatricians Currently Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based general pediatricians ever certified, age 70 and under (n=58,519), among all diplomates ever certified (n=125,332). Child population estimates include children age 17 and under.

Response rate: Not applicable.

Missing data/considerations for interpretation: Caution should be used when interpreting the estimates provided. Of all diplomates ever certified, 66,813 (53.3%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (18,060, 14.4%), diplomates whose birth year data are unavailable (9,921, 7.9%), diplomates whose address data are unavailable (5,132, 4.1%), diplomates with an address outside of the 50 US states and the District of Columbia (2,611, 2.1%), diplomates who hold a certification in one or more subspecialties (24,096, 19.2%), and diplomates who are not currently certified (6,993, 5.6%). State location is determined using the latest mailing address on file. Information is not available concerning how many pediatric diplomates are in clinical practice, working part-time/full-time, and who are deceased.



Section 2. General Pediatrics Residency Tracking Information

Section 2. General Pediatrics Residency Tracking Information

Key Findings

- In 2018, there were 11,286 residents (including levels 1-5) in ACGME-accredited pediatric programs in the United States and Puerto Rico, an increase of 1,624 residents since 2003. (Table 2.1)
- Of the 11,286 residents, 9,531 were in Categorical Pediatrics programs, 1,522 were in Medicine-Pediatrics programs, and 233 were in other combined programs. (Table 2.2, 2.3, 2.4)
- In 2018, women comprise over 70% of first-year pediatric residents; international medical graduates account for a little more than 20%. (Table 2.6)

What does this section include?

Section 2 reports on tracking data provided in fall 2018 of the 2018-19 academic year (July through June) by GP residency program directors of training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) in the United States and Puerto Rico. For comparison purposes, the same data points are provided from 2003 to date. These data are reported for all programs and are also reported separately by the three pediatric residency program types (Categorical Pediatrics, Medicine-Pediatrics, and Other Combined Programs). Analyses employ demographic variables available to the ABP for all pediatric program types.

For information about the pediatric residency training programs themselves, including accreditation requirements, number of accredited programs by program type, and the variability in size of accredited programs, please see the ACGME website at <http://www.acgme.org>.

What is helpful to know when reviewing these data?

- Data have only been included for ACGME-accredited training programs. Data from Canadian programs accredited by the Royal College of Physician and Surgeons of Canada (RCPSC) reported from 2003 to date were excluded from this edition of the data book. This decision to limit the data presented to ACGME-accredited programs was made for several reasons: 1) to decrease possibilities for data misinterpretation, as Canadian programs differ in their requirements for accreditation, and 2) to improve the accuracy of U.S. workforce projections.
- Because of the variability in the numbers of first-year residents by residency program type, scales for figures that include counts are not equivalent.

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Table 2.1. Yearly Count of Residents in All Pediatric Programs in Training Levels 1-5 Since 2003 by Training Level

Year	Residents per training level							
	Level 1	Level 2	Level 3	Level 4	Level 5	Levels 1-3	Levels 4-5	Levels 1-5
2003	3,082	2,934	2,978	640	28	8,994	668	9,662
2004	3,202	2,981	2,872	634	36	9,055	670	9,725
2005	3,181	3,071	2,901	618	30	9,153	648	9,801
2006	3,205	3,137	2,975	605	31	9,317	636	9,953
2007	3,243	3,125	3,038	626	41	9,406	667	10,073
2008	3,229	3,161	3,039	630	47	9,429	677	10,106
2009	3,224	3,162	3,051	653	46	9,437	699	10,136
2010	3,273	3,164	3,070	673	37	9,507	710	10,217
2011	3,414	3,233	3,050	633	59	9,697	692	10,389
2012	3,449	3,349	3,137	643	33	9,935	676	10,611
2013	3,455	3,406	3,244	673	42	10,105	715	10,820
2014	3,494	3,389	3,274	662	41	10,157	703	10,860
2015	3,510	3,426	3,270	676	43	10,206	719	10,925
2016	3,572	3,460	3,307	695	46	10,339	741	11,080
2017	3,595	3,511	3,338	652	40	10,444	692	11,136
2018	3,637	3,528	3,392	690	39	10,557	729	11,286

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-5 residents in ACGME-accredited Categorical, Med-Peds, and Other Combined programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program types vary in length of training. Categorical programs last for 3 years, Med-Peds programs last 4 years, and Other Combined programs typically last 5 years. Levels 4 and 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.2. Yearly Count of Residents in Categorical Pediatric Programs in Training Levels 1-5 Since 2003 by Training Level

Residents per training level								
Year	Level 1	Level 2	Level 3	Level 4	Level 5	Level 1-3	Level 4-5	Level 1-5
2003	2,664	2,543	2,585	240	1	7,792	241	8,033
2004	2,763	2,601	2,500	242	3	7,864	245	8,109
2005	2,758	2,662	2,529	250	4	7,949	254	8,203
2006	2,776	2,736	2,585	239	2	8,097	241	8,338
2007	2,811	2,722	2,654	233	7	8,187	240	8,427
2008	2,834	2,754	2,648	254	6	8,236	260	8,496
2009	2,829	2,780	2,653	269	4	8,262	273	8,535
2010	2,882	2,777	2,692	281	5	8,351	286	8,637
2011	3,006	2,826	2,680	259	3	8,512	262	8,774
2012	3,041	2,945	2,737	269	2	8,723	271	8,994
2013	3,039	3,003	2,843	276	0	8,885	276	9,161
2014	3,076	2,981	2,871	266	2	8,928	268	9,196
2015	3,080	3,013	2,864	278	12	8,957	290	9,247
2016	3,133	3,029	2,897	291	2	9,059	293	9,352
2017	3,161	3,078	2,907	249	1	9,146	250	9,396
2018	3,204	3,102	2,964	261	0	9,270	261	9,531

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1-5 residents in ACGME-accredited Categorical programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program types vary in length of training. Categorical programs last 3 years. Levels 4 and 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.3. Yearly Count of Residents in Med-Peds Programs in Training Levels 1-5 Since 2003 by Training Level

Residents per training level								
Year	Level 1	Level 2	Level 3	Level 4	Level 5	Level 1-3	Level 4-5	Level 1-5
2003	390	364	369	374	15	1,123	389	1,512
2004	406	353	346	369	17	1,105	386	1,491
2005	388	380	345	343	14	1,113	357	1,470
2006	392	369	364	337	16	1,125	353	1,478
2007	391	368	354	367	13	1,113	380	1,493
2008	362	367	358	343	13	1,087	356	1,443
2009	359	350	362	352	11	1,071	363	1,434
2010	363	349	348	356	16	1,060	372	1,432
2011	371	368	333	345	21	1,072	366	1,438
2012	371	367	360	337	16	1,098	353	1,451
2013	371	365	364	357	23	1,100	380	1,480
2014	373	364	366	361	13	1,103	374	1,477
2015	379	365	362	361	12	1,106	373	1,479
2016	386	377	362	361	11	1,125	372	1,497
2017	381	379	376	359	19	1,136	378	1,514
2018	378	370	377	376	21	1,125	397	1,522

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1-5 residents in ACGME-accredited Med-Peds programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program types vary in length of training. Med-Peds programs last 4 years. Level 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.4. Yearly Count of Residents in Other Combined Programs in Training Levels 1-5 Since 2003 by Training Level

Residents per training level								
Year	Level 1	Level 2	Level 3	Level 4	Level 5	Level 1-3	Level 4-5	Level 1-5
2003	28	27	24	26	12	79	38	117
2004	33	27	26	23	16	86	39	125
2005	35	29	27	25	12	91	37	128
2006	37	32	26	29	13	95	42	137
2007	41	35	30	26	21	106	47	153
2008	33	40	33	33	28	106	61	167
2009	36	32	36	32	31	104	63	167
2010	28	38	30	36	16	96	52	148
2011	37	39	37	29	35	113	64	177
2012	37	37	40	37	15	114	52	166
2013	45	38	37	40	19	120	59	179
2014	45	44	37	35	26	126	61	187
2015	51	48	44	37	19	143	56	199
2016	53	54	48	43	33	155	76	231
2017	53	54	55	44	20	162	64	226
2018	55	56	51	53	18	162	71	233

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1-5 residents in ACGME-accredited Other Combined programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program types vary in length of training. Other Combined programs typically last 5 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.5(a). Yearly Count of Residents in All Pediatric Programs in Training Levels 1-5 from 2003-2010 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total Residents
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	2,031	65.9	1,051	34.1	2,320	75.3	762	24.7	1,580	51.3	740	24.0	451	14.6	311	10.1	3,082
	Level 2	1,970	67.1	964	32.9	2,250	76.7	684	23.3	1,538	52.4	712	24.3	432	14.7	252	8.6	2,934
	Level 3	1,939	65.1	1,039	34.9	2,371	79.6	607	20.4	1,563	52.5	808	27.1	376	12.6	231	7.8	2,978
	Level 4	372	58.1	268	41.9	560	87.5	80	12.5	323	50.5	237	37.0	49	7.7	31	4.8	640
	Level 5	11	39.3	17	60.7	27	96.4	1	3.6	10	35.7	17	60.7	1	3.6	0	0.0	28
	Subtotal	6,323	65.4	3,339	34.6	7,528	77.9	2,134	22.1	5,014	51.9	2,514	26.0	1,309	13.5	825	8.5	9,662
2004	Level 1	2,156	67.3	1,046	32.7	2,411	75.3	791	24.7	1,658	51.8	753	23.5	498	15.6	293	9.2	3,202
	Level 2	1,989	66.7	992	33.3	2,257	75.7	724	24.3	1,549	52.0	708	23.8	440	14.8	284	9.5	2,981
	Level 3	1,939	67.5	933	32.5	2,202	76.7	670	23.3	1,520	52.9	682	23.7	419	14.6	251	8.7	2,872
	Level 4	360	56.8	274	43.2	561	88.5	73	11.5	320	50.5	241	38.0	40	6.3	33	5.2	634
	Level 5	26	72.2	10	27.8	35	97.2	1	2.8	25	69.4	10	27.8	1	2.8	0	0.0	36
	Subtotal	6,470	66.5	3,255	33.5	7,466	76.8	2,259	23.2	5,072	52.2	2,394	24.6	1,398	14.4	861	8.9	9,725
2005	Level 1	2,202	69.2	979	30.8	2,455	77.2	726	22.8	1,733	54.5	722	22.7	469	14.7	257	8.1	3,181
	Level 2	2,079	67.7	992	32.3	2,309	75.2	762	24.8	1,601	52.1	708	23.1	478	15.6	284	9.2	3,071
	Level 3	1,945	67.0	956	33.0	2,195	75.7	706	24.3	1,519	52.4	676	23.3	426	14.7	280	9.7	2,901
	Level 4	362	58.6	256	41.4	535	86.6	83	13.4	320	51.8	215	34.8	42	6.8	41	6.6	618
	Level 5	19	63.3	11	36.7	28	93.3	2	6.7	18	60.0	10	33.3	1	3.3	1	3.3	30
	Subtotal	6,607	67.4	3,194	32.6	7,522	76.7	2,279	23.3	5,191	53.0	2,331	23.8	1,416	14.4	863	8.8	9,801
2006	Level 1	2,243	70.0	962	30.0	2,492	77.8	713	22.2	1,784	55.7	708	22.1	459	14.3	254	7.9	3,205
	Level 2	2,178	69.4	959	30.6	2,417	77.0	720	23.0	1,714	54.6	703	22.4	464	14.8	256	8.2	3,137
	Level 3	2,039	68.5	936	31.5	2,233	75.1	742	24.9	1,561	52.5	672	22.6	478	16.1	264	8.9	2,975
	Level 4	358	59.2	247	40.8	513	84.8	92	15.2	316	52.2	197	32.6	42	6.9	50	8.3	605
	Level 5	17	54.8	14	45.2	28	90.3	3	9.7	16	51.6	12	38.7	1	3.2	2	6.5	31
	Subtotal	6,835	68.7	3,118	31.3	7,683	77.2	2,270	22.8	5,391	54.2	2,292	23.0	1,444	14.5	826	8.3	9,953
2007	Level 1	2,316	71.4	927	28.6	2,489	76.7	754	23.3	1,827	56.3	662	20.4	489	15.1	265	8.2	3,243
	Level 2	2,214	70.8	911	29.2	2,438	78.0	687	22.0	1,761	56.4	677	21.7	453	14.5	234	7.5	3,125
	Level 3	2,111	69.5	927	30.5	2,332	76.8	706	23.2	1,657	54.5	675	22.2	454	14.9	252	8.3	3,038
	Level 4	394	62.9	232	37.1	532	85.0	94	15.0	341	54.5	191	30.5	53	8.5	41	6.5	626
	Level 5	22	53.7	19	46.3	36	87.8	5	12.2	19	46.3	17	41.5	3	7.3	2	4.9	41
	Subtotal	7,057	70.1	3,016	29.9	7,827	77.7	2,246	22.3	5,605	55.6	2,222	22.1	1,452	14.4	794	7.9	10,073
2008	Level 1	2,255	69.8	974	30.2	2,447	75.8	782	24.2	1,784	55.2	663	20.5	471	14.6	311	9.6	3,229
	Level 2	2,273	71.9	888	28.1	2,432	76.9	729	23.1	1,800	56.9	632	20.0	473	15.0	256	8.1	3,161
	Level 3	2,169	71.4	870	28.6	2,368	77.9	671	22.1	1,727	56.8	641	21.1	442	14.5	229	7.5	3,039
	Level 4	380	60.3	250	39.7	544	86.3	86	13.7	332	52.7	212	33.7	48	7.6	38	6.0	630
	Level 5	35	74.5	12	25.5	41	87.2	6	12.8	32	68.1	9	19.1	3	6.4	3	6.4	47
	Subtotal	7,112	70.4	2,994	29.6	7,832	77.5	2,274	22.5	5,675	56.2	2,157	21.3	1,437	14.2	837	8.3	10,106
2009	Level 1	2,307	71.6	917	28.4	2,452	76.1	772	23.9	1,835	56.9	617	19.1	472	14.6	300	9.3	3,224
	Level 2	2,208	69.8	954	30.2	2,388	75.5	774	24.5	1,736	54.9	652	20.6	472	14.9	302	9.6	3,162
	Level 3	2,206	72.3	845	27.7	2,347	76.9	704	23.1	1,750	57.4	597	19.6	456	14.9	248	8.1	3,051
	Level 4	431	66.0	222	34.0	576	88.2	77	11.8	389	59.6	187	28.6	42	6.4	35	5.4	653
	Level 5	25	54.3	21	45.7	45	97.8	1	2.2	24	52.2	21	45.7	1	2.2	0	0.0	46
	Subtotal	7,177	70.8	2,959	29.2	7,808	77.0	2,328	23.0	5,734	56.6	2,074	20.5	1,443	14.2	885	8.7	10,136
2010	Level 1	2,332	71.2	941	28.8	2,518	76.9	755	23.1	1,841	56.2	677	20.7	491	15.0	264	8.1	3,273
	Level 2	2,262	71.5	902	28.5	2,395	75.7	769	24.3	1,801	56.9	594	18.8	461	14.6	308	9.7	3,164
	Level 3	2,153	70.1	917	29.9	2,319	75.5	751	24.5	1,693	55.1	626	20.4	460	15.0	291	9.5	3,070
	Level 4	442	65.7	231	34.3	569	84.5	104	15.5	378	56.2	191	28.4	64	9.5	40	5.9	673
	Level 5	22	59.5	15	40.5	32	86.5	5	13.5	19	51.4	13	35.1	3	8.1	2	5.4	37
	Subtotal	7,211	70.6	3,006	29.4	7,833	76.7	2,384	23.3	5,732	56.1	2,101	20.6	1,479	14.5	905	8.9	10,217

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-5 residents in ACGME-accredited Categorical, Med-Peds, and Other Combined programs in the US and Puerto Rico from 2002-2009.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program types vary in length of training. Categorical programs last 3 years, Med-Peds programs last 4 years, and Other Combined programs typically last 5 years. Levels 4 and 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.5(b). Yearly Count of Residents in All Pediatric Programs in Training Levels 1-5 from 2011-2018 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2011	Level 1	2,445	71.6	969	28.4	2,696	79.0	718	21.0	1,967	57.6	729	21.4	478	14.0	240	7.0	3,414
	Level 2	2,312	71.5	921	28.5	2,489	77.0	744	23.0	1,827	56.5	662	20.5	485	15.0	259	8.0	3,233
	Level 3	2,190	71.8	860	28.2	2,299	75.4	751	24.6	1,738	57.0	561	18.4	452	14.8	299	9.8	3,050
	Level 4	398	62.9	235	37.1	528	83.4	105	16.6	345	54.5	183	28.9	53	8.4	52	8.2	633
	Level 5	40	67.8	19	32.2	53	89.8	6	10.2	38	64.4	15	25.4	2	3.4	4	6.8	59
	Subtotal	7,385	71.1	3,004	28.9	8,065	77.6	2,324	22.4	5,915	56.9	2,150	20.7	1,470	14.1	854	8.2	10,389
2012	Level 1	2,435	70.6	1,014	29.4	2,701	78.3	748	21.7	1,959	56.8	742	21.5	476	13.8	272	7.9	3,449
	Level 2	2,409	71.9	940	28.1	2,654	79.2	695	20.8	1,940	57.9	714	21.3	469	14.0	226	6.7	3,349
	Level 3	2,245	71.6	892	28.4	2,395	76.3	742	23.7	1,764	56.2	631	20.1	481	15.3	261	8.3	3,137
	Level 4	429	66.7	214	33.3	520	80.9	123	19.1	361	56.1	159	24.7	68	10.6	55	8.6	643
	Level 5	20	60.6	13	39.4	30	90.9	3	9.1	18	54.5	12	36.4	2	6.1	1	3.0	33
	Subtotal	7,538	71.0	3,073	29.0	8,300	78.2	2,311	21.8	6,042	56.9	2,258	21.3	1,496	14.1	815	7.7	10,611
2013	Level 1	2,472	71.5	983	28.5	2,781	80.5	674	19.5	2,030	58.8	751	21.7	442	12.8	232	6.7	3,455
	Level 2	2,401	70.5	1,005	29.5	2,646	77.7	760	22.3	1,921	56.4	725	21.3	480	14.1	280	8.2	3,406
	Level 3	2,334	71.9	910	28.1	2,556	78.8	688	21.2	1,873	57.7	683	21.1	461	14.2	227	7.0	3,244
	Level 4	445	66.1	228	33.9	590	87.7	83	12.3	387	57.5	203	30.2	58	8.6	25	3.7	673
	Level 5	26	61.9	16	38.1	38	90.5	4	9.5	24	57.1	14	33.3	2	4.8	2	4.8	42
	Subtotal	7,678	71.0	3,142	29.0	8,611	79.6	2,209	20.4	6,235	57.6	2,376	22.0	1,443	13.3	766	7.1	10,820
2014	Level 1	2,507	71.8	987	28.2	2,826	80.9	668	19.1	2,045	58.5	781	22.4	462	13.2	206	5.9	3,494
	Level 2	2,421	71.4	968	28.6	2,727	80.5	662	19.5	1,984	58.5	743	21.9	437	12.9	225	6.6	3,389
	Level 3	2,314	70.7	960	29.3	2,531	77.3	743	22.7	1,842	56.3	689	21.0	472	14.4	271	8.3	3,274
	Level 4	445	67.2	217	32.8	597	90.2	65	9.8	390	58.9	207	31.3	55	8.3	10	1.5	662
	Level 5	22	53.7	19	46.3	39	95.1	2	4.9	20	48.8	19	46.3	2	4.9	0	0.0	41
	Subtotal	7,709	71.0	3,151	29.0	8,720	80.3	2,140	19.7	6,281	57.8	2,439	22.5	1,428	13.1	712	6.6	10,860
2015	Level 1	2,479	70.6	1,031	29.4	2,898	82.6	612	17.4	2,067	58.9	831	23.7	412	11.7	200	5.7	3,510
	Level 2	2,456	71.7	970	28.3	2,770	80.9	656	19.1	2,007	58.6	763	22.3	449	13.1	207	6.0	3,426
	Level 3	2,344	71.7	926	28.3	2,624	80.2	646	19.8	1,915	58.6	709	21.7	429	13.1	217	6.6	3,270
	Level 4	431	63.8	245	36.2	580	85.8	96	14.2	375	55.5	205	30.3	56	8.3	40	5.9	676
	Level 5	28	65.1	15	34.9	42	97.7	1	2.3	27	62.8	15	34.9	1	2.3	0	0.0	43
	Subtotal	7,738	70.8	3,187	29.2	8,914	81.6	2,011	18.4	6,391	58.5	2,523	23.1	1,347	12.3	664	6.1	10,925
2016	Level 1	2,523	70.6	1,049	29.4	2,948	82.5	624	17.5	2,116	59.2	832	23.3	407	11.4	217	6.1	3,572
	Level 2	2,456	71.0	1,004	29.0	2,863	82.7	597	17.3	2,053	59.3	810	23.4	403	11.6	194	5.6	3,460
	Level 3	2,381	72.0	926	28.0	2,668	80.7	639	19.3	1,944	58.8	724	21.9	437	13.2	202	6.1	3,307
	Level 4	465	66.9	230	33.1	620	89.2	75	10.8	412	59.3	208	29.9	53	7.6	22	3.2	695
	Level 5	30	65.2	16	34.8	44	95.7	2	4.3	29	63.0	15	32.6	1	2.2	1	2.2	46
	Subtotal	7,855	70.9	3,225	29.1	9,143	82.5	1,937	17.5	6,554	59.2	2,589	23.4	1,301	11.7	636	5.7	11,080
2017	Level 1	2,523	70.2	1,072	29.8	2,944	81.9	651	18.1	2,075	57.7	869	24.2	448	12.5	203	5.6	3,595
	Level 2	2,487	70.8	1,024	29.2	2,900	82.6	611	17.4	2,089	59.5	811	23.1	398	11.3	213	6.1	3,511
	Level 3	2,382	71.4	956	28.6	2,767	82.9	571	17.1	1,997	59.8	770	23.1	385	11.5	186	5.6	3,338
	Level 4	409	62.7	243	37.3	570	87.4	82	12.6	360	55.2	210	32.2	49	7.5	33	5.1	652
	Level 5	28	70.0	12	30.0	38	95.0	2	5.0	26	65.0	12	30.0	2	5.0	0	0.0	40
	Subtotal	7,829	70.3	3,307	29.7	9,219	82.8	1,917	17.2	6,547	58.8	2,672	24.0	1,282	11.5	635	5.7	11,136
2018	Level 1	2,572	70.7	1,065	29.3	2,921	80.3	716	19.7	2,049	56.3	872	24.0	523	14.4	193	5.3	3,637
	Level 2	2,491	70.6	1,037	29.4	2,899	82.2	629	17.8	2,051	58.1	848	24.0	440	12.5	189	5.4	3,528
	Level 3	2,411	71.1	981	28.9	2,802	82.6	590	17.4	2,027	59.8	775	22.8	384	11.3	206	6.1	3,392
	Level 4	460	66.7	230	33.3	633	91.7	57	8.3	426	61.7	207	30.0	34	4.9	23	3.3	690
	Level 5	22	56.4	17	43.6	35	89.7	4	10.3	18	46.2	17	43.6	4	10.3	0	0.0	39
	Subtotal	7,956	70.5	3,330	29.5	9,290	82.3	1,996	17.7	6,571	58.2	2,719	24.1	1,385	12.3	611	5.4	11,286

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-5 residents in ACGME-accredited Categorical, Med-Peds, and Other Combined programs in the US and Puerto Rico from 2011-2018.

Response Rate: Not applicable.

Sample: None.

Considerations for Interpretation: Residency program types vary in length of training. Categorical programs last 3 years. Med-Peds programs last 4 years, and Other Combined programs typically last 5 years. Levels 4 and 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Figure 2.1 Yearly Count of First-Year (Level 1) Residents in All Pediatric Programs Since 2003 by Gender

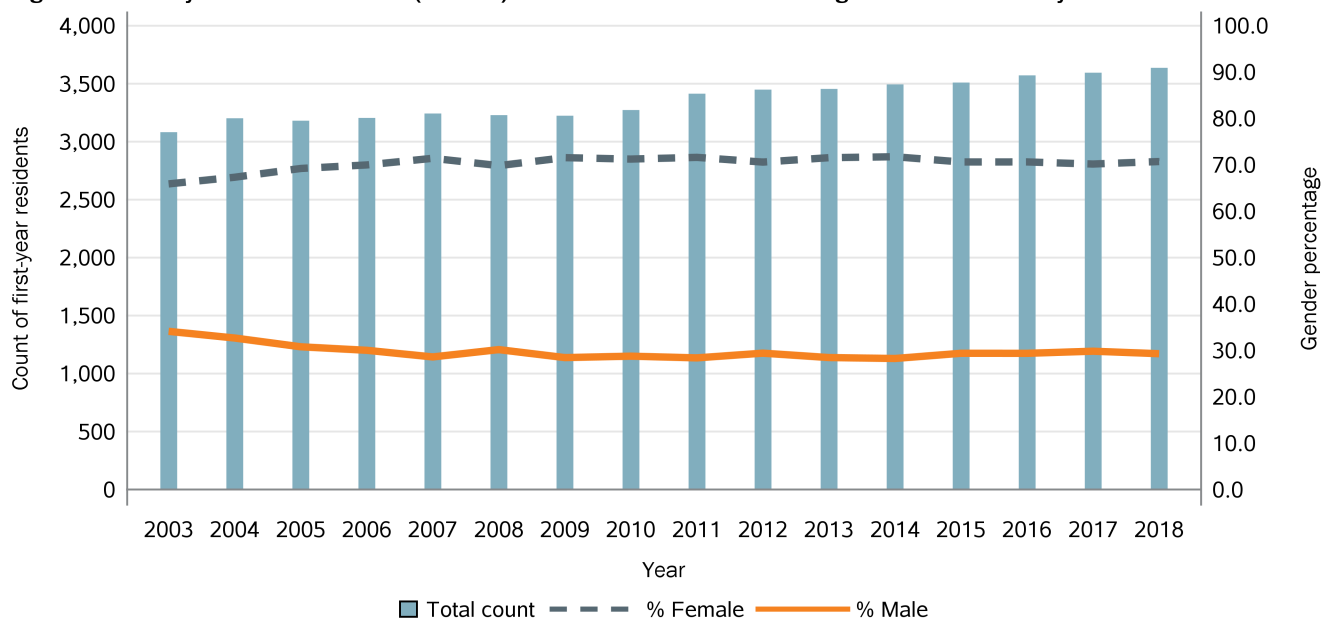
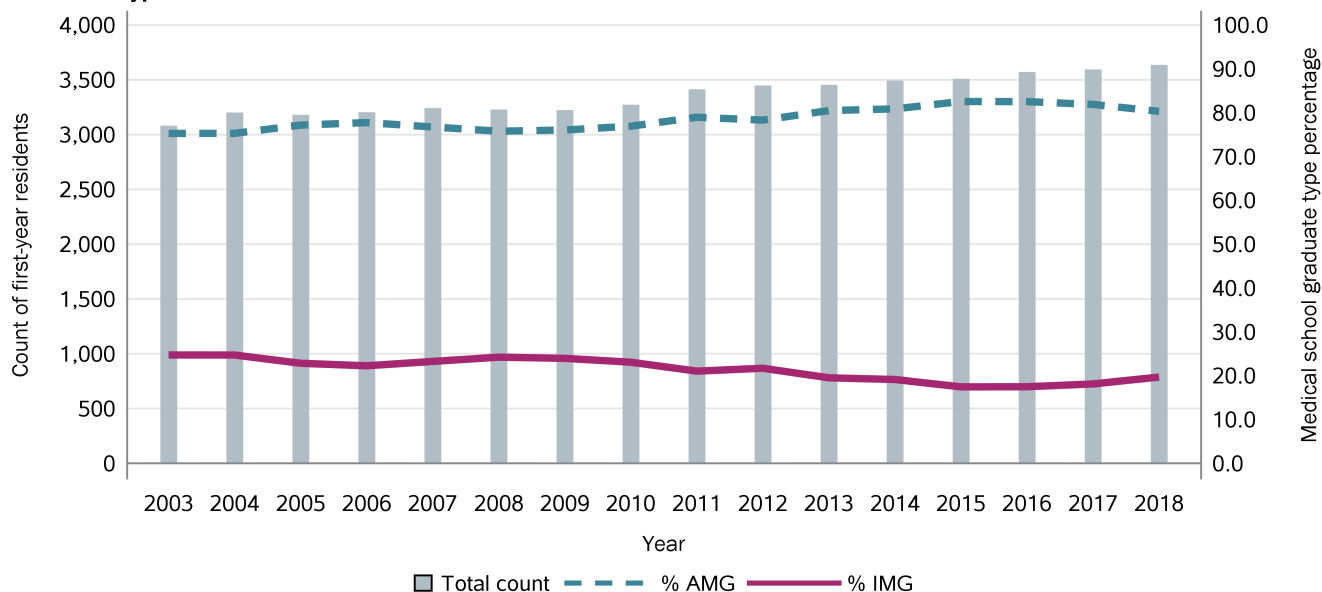


Figure 2.2 Yearly Count of First-Year (Level 1) Residents in All Pediatric Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 residents in ACGME-accredited Categorical, Med-Peds, and Other Combined programs in the US and Puerto-Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Categorical programs last 3 years. Med-Peds programs last 4 years, and Other Combined programs typically last 5 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*. Only level 1 residents are shown for ease of comparison across residency program types. Detailed information can be found in Tables 2.5(a) and 2.5(b).

Table 2.6. Yearly Count of Residents in Categorical Pediatric Programs in Training Levels 1-3 from 2003-2018 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents n
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	1,823	68.4	841	31.6	1,990	74.7	674	25.3	1,408	52.9	582	21.8	415	15.6	259	9.7	2,664
	Level 2	1,758	69.1	785	30.9	1,914	75.3	629	24.7	1,350	53.1	564	22.2	408	16.0	221	8.7	2,543
	Level 3	1,740	67.3	845	32.7	2,018	78.1	567	21.9	1,381	53.4	637	24.6	359	13.9	208	8.0	2,585
	Subtotal	5,321	68.3	2,471	31.7	5,922	76.0	1,870	24.0	4,139	53.1	1,783	22.9	1,182	15.2	688	8.8	7,792
2004	Level 1	1,906	69.0	857	31.0	2,044	74.0	719	26.0	1,442	52.2	602	21.8	464	16.8	255	9.2	2,763
	Level 2	1,801	69.2	800	30.8	1,947	74.9	654	25.1	1,388	53.4	559	21.5	413	15.9	241	9.3	2,601
	Level 3	1,732	69.3	768	30.7	1,874	75.0	626	25.0	1,332	53.3	542	21.7	400	16.0	226	9.0	2,500
	Subtotal	5,439	69.2	2,425	30.8	5,865	74.6	1,999	25.4	4,162	52.9	1,703	21.7	1,277	16.2	722	9.2	7,864
2005	Level 1	1,985	72.0	773	28.0	2,099	76.1	659	23.9	1,542	55.9	557	20.2	443	16.1	216	7.8	2,758
	Level 2	1,848	69.4	814	30.6	1,961	73.7	701	26.3	1,397	52.5	564	21.2	451	16.9	250	9.4	2,662
	Level 3	1,755	69.4	774	30.6	1,892	74.8	637	25.2	1,357	53.7	535	21.2	398	15.7	239	9.5	2,529
	Subtotal	5,588	70.3	2,361	29.7	5,952	74.9	1,997	25.1	4,296	54.0	1,656	20.8	1,292	16.3	705	8.9	7,949
2006	Level 1	1,997	71.9	779	28.1	2,113	76.1	663	23.9	1,565	56.4	548	19.7	432	15.6	231	8.3	2,776
	Level 2	1,975	72.2	761	27.8	2,074	75.8	662	24.2	1,532	56.0	542	19.8	443	16.2	219	8.0	2,736
	Level 3	1,819	70.4	766	29.6	1,900	73.5	685	26.5	1,367	52.9	533	20.6	452	17.5	233	9.0	2,585
	Subtotal	5,791	71.5	2,306	28.5	6,087	75.2	2,010	24.8	4,464	55.1	1,623	20.0	1,327	16.4	683	8.4	8,097
2007	Level 1	2,070	73.6	741	26.4	2,125	75.6	686	24.4	1,613	57.4	512	18.2	457	16.3	229	8.1	2,811
	Level 2	1,981	72.8	741	27.2	2,078	76.3	644	23.7	1,552	57.0	526	19.3	429	15.8	215	7.9	2,722
	Level 3	1,914	72.1	740	27.9	1,999	75.3	655	24.7	1,480	55.8	519	19.6	434	16.4	221	8.3	2,654
	Subtotal	5,965	72.9	2,222	27.1	6,202	75.8	1,985	24.2	4,645	56.7	1,557	19.0	1,320	16.1	665	8.1	8,187
2008	Level 1	2,028	71.6	806	28.4	2,124	74.9	710	25.1	1,592	56.2	532	18.8	436	15.4	274	9.7	2,834
	Level 2	2,039	74.0	715	26.0	2,084	75.7	670	24.3	1,590	57.7	494	17.9	449	16.3	221	8.0	2,754
	Level 3	1,943	73.4	705	26.6	2,015	76.1	633	23.9	1,521	57.4	494	18.7	422	15.9	211	8.0	2,648
	Subtotal	6,010	73.0	2,226	27.0	6,223	75.6	2,013	24.4	4,703	57.1	1,520	18.5	1,307	15.9	706	8.6	8,236
2009	Level 1	2,065	73.0	764	27.0	2,139	75.6	690	24.4	1,634	57.8	505	17.9	431	15.2	259	9.2	2,829
	Level 2	1,994	71.7	786	28.3	2,071	74.5	709	25.5	1,550	55.8	521	18.7	444	16.0	265	9.5	2,780
	Level 3	1,977	74.5	676	25.5	2,005	75.6	648	24.4	1,544	58.2	461	17.4	433	16.3	215	8.1	2,653
	Subtotal	6,036	73.1	2,226	26.9	6,215	75.2	2,047	24.8	4,728	57.2	1,487	18.0	1,308	15.8	739	8.9	8,262
2010	Level 1	2,101	72.9	781	27.1	2,167	75.2	715	24.8	1,633	56.7	534	18.5	468	16.2	247	8.6	2,882
	Level 2	2,028	73.0	749	27.0	2,088	75.2	689	24.8	1,605	57.8	483	17.4	423	15.2	266	9.6	2,777
	Level 3	1,940	72.1	752	27.9	2,005	74.5	687	25.5	1,508	56.0	497	18.5	432	16.0	255	9.5	2,692
	Subtotal	6,069	72.7	2,282	27.3	6,260	75.0	2,091	25.0	4,746	56.8	1,514	18.1	1,323	15.8	768	9.2	8,351
2011	Level 1	2,195	73.0	811	27.0	2,323	77.3	683	22.7	1,742	58.0	581	19.3	453	15.1	230	7.7	3,006
	Level 2	2,070	73.2	756	26.8	2,119	75.0	707	25.0	1,608	56.9	511	18.1	462	16.3	245	8.7	2,826
	Level 3	1,969	73.5	711	26.5	2,001	74.7	679	25.3	1,551	57.9	450	16.8	418	15.6	261	9.7	2,680
	Subtotal	6,234	73.2	2,278	26.8	6,443	75.7	2,069	24.3	4,901	57.6	1,542	18.1	1,333	15.7	736	8.6	8,512
2012	Level 1	2,201	72.4	840	27.6	2,340	76.9	701	23.1	1,749	57.5	591	19.4	452	14.9	249	8.2	3,041
	Level 2	2,164	73.5	781	26.5	2,281	77.5	664	22.5	1,718	58.3	563	19.1	446	15.1	218	7.4	2,945
	Level 3	2,007	73.3	730	26.7	2,033	74.3	704	25.7	1,550	56.6	483	17.6	457	16.7	247	9.0	2,737
	Subtotal	6,372	73.0	2,351	27.0	6,654	76.3	2,069	23.7	5,017	57.5	1,637	18.8	1,355	15.5	714	8.2	8,723
2013	Level 1	2,208	72.7	831	27.3	2,396	78.8	643	21.2	1,787	58.8	609	20.0	421	13.9	222	7.3	3,039
	Level 2	2,173	72.4	830	27.6	2,292	76.3	711	23.7	1,716	57.1	576	19.2	457	15.2	254	8.5	3,003
	Level 3	2,090	73.5	753	26.5	2,187	76.9	656	23.1	1,652	58.1	535	18.8	438	15.4	218	7.7	2,843
	Subtotal	6,471	72.8	2,414	27.2	6,875	77.4	2,010	22.6	5,155	58.0	1,720	19.4	1,316	14.8	694	7.8	8,885
2014	Level 1	2,272	73.9	804	26.1	2,457	79.9	619	20.1	1,834	59.6	623	20.3	438	14.2	181	5.9	3,076
	Level 2	2,162	72.5	819	27.5	2,350	78.8	631	21.2	1,746	58.6	604	20.3	416	14.0	215	7.2	2,981
	Level 3	2,087	72.7	784	27.3	2,177	75.8	694	24.2	1,637	57.0	540	18.8	450	15.7	244	8.5	2,871
	Subtotal	6,521	73.0	2,407	27.0	6,984	78.2	1,944	21.8	5,217	58.4	1,767	19.8	1,304	14.6	640	7.2	8,928
2015	Level 1	2,219	72.0	861	28.0	2,498	81.1	582	18.9	1,824	59.2	674	21.9	395	12.8	187	6.1	3,080
	Level 2	2,226	73.9	787	26.1	2,405	79.8	608	20.2	1,799	59.7	606	20.1	427	14.2	181	6.0	3,013
	Level 3	2,088	72.9	776	27.1	2,248	78.5	616	21.5	1,680	58.7	568	19.8	408	14.2	208	7.3	2,864
	Subtotal	6,533	72.9	2,424	27.1	7,151	79.8	1,806	20.2	5,303	59.2	1,848	20.6	1,230	13.7	576	6.4	8,957
2016	Level 1	2,269	72.4	864	27.6	2,539	81.0	594	19.0	1,876	59.9	663	21.2	393	12.5	201	6.4	3,133
	Level 2	2,196	72.5	833	27.5	2,460	81.2	569	18.8	1,808	59.7	652	21.5	388	12.8	181	6.0	3,029
	Level 3	2,153	74.3	744	25.7	2,305	79.6	592	20.4	1,738	60.0	567	19.6	415	14.3	177	6.1	2,897
	Subtotal	6,618	73.1	2,441	26.9	7,304	80.6	1,755	19.4	5,422	59.9	1,882	20.8	1,196	13.2	559	6.2	9,059
2017	Level 1	2,249	71.1	912	28.9	2,562	81.1	599	18.9	1,832	58.0	730	23.1	417	13.2	182	5.8	3,161
	Level 2	2,237	72.7	841	27.3	2,496	81.1	582	18.9	1,852	60.2	644	20.9	385	12.5	197	6.4	3,078
	Level 3	2,123	73.0	784	27.0	2,362	81.3	545	18.7	1,752	60.3	610	21.0	371	12.8	174	6.0	2,907
	Subtotal	6,609	72.3	2,537	27.7	7,420	81.1	1,726	18.9	5,436	59.4	1,984	21.7	1,173	12.8	553	6.0	9,146
2018	Level 1	2,315	72.3	889	27.7	2,516	78.5	688	21.5	1,810	56.5	706	22.0	505	15.8	183	5.7	3,204
	Level 2	2,222	71.6	880	28.4	2,523	81.3	579	18.7	1,811	58.4	712	23.0	411	13.2	168	5.4	3,102
	Level 3	2,164	73.0	800	27.0	2,403	81.1	561	18.9	1,793	60.5	610	20.6	371	1			

Figure 2.3 Yearly Count of First-Year (Level 1) Residents in Categorical Pediatric Programs Since 2003 by Gender

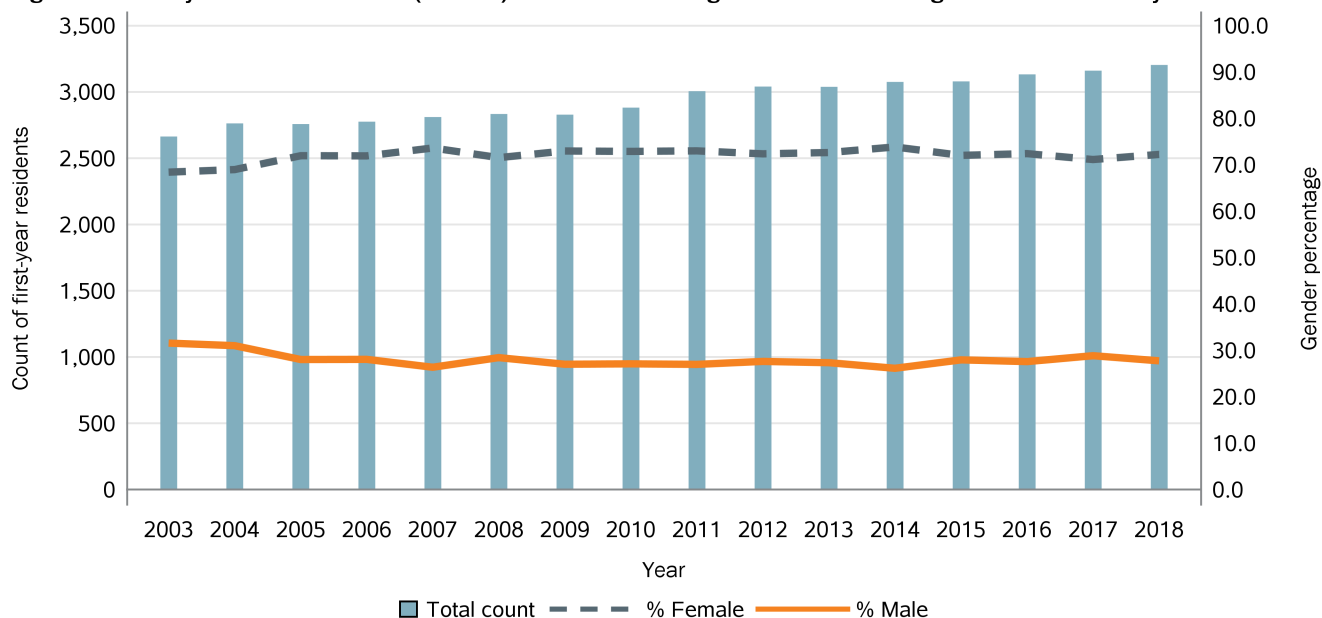
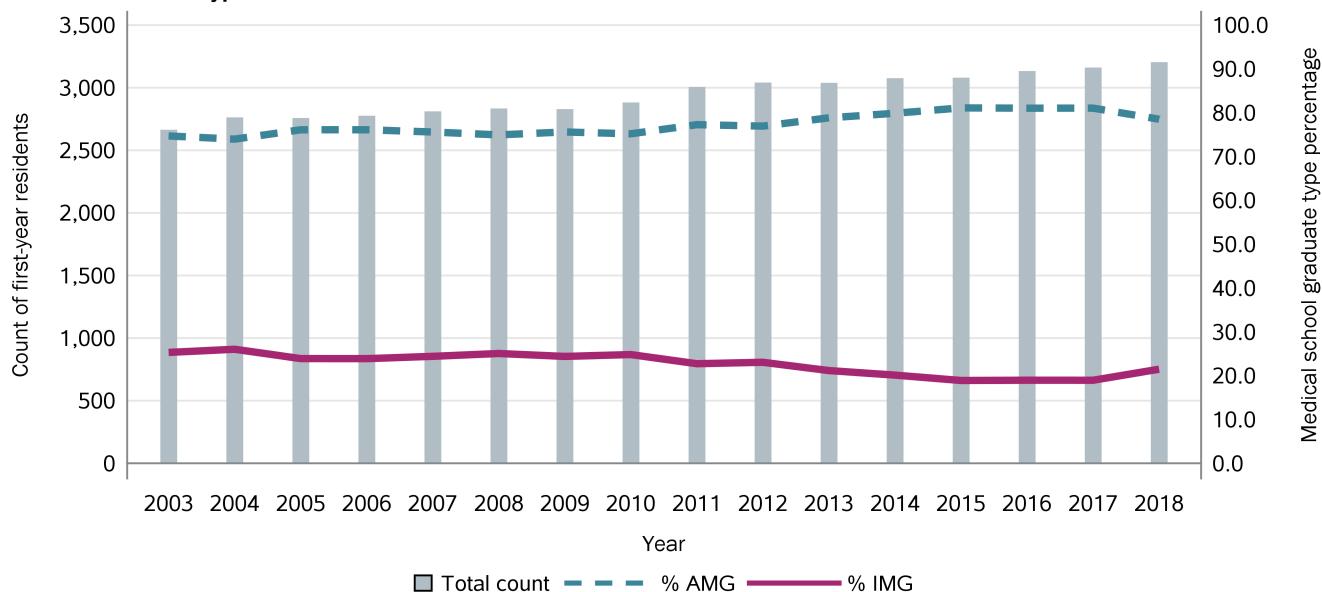


Figure 2.4 Yearly Count of First-Year (Level 1) Residents in Categorical Pediatric Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 residents in ACGME-accredited Categorical programs in the US and Puerto-Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Categorical programs last 3 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*. Only level 1 residents are shown for ease of comparison across residency program types. Detailed information can be found in Table 2.6.

Table 2.7(a). Yearly Count of Residents in Med-Peds Programs in Training Levels 1-4 from 2003-2010 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	192	49.2	198	50.8	303	77.7	87	22.3	156	40.0	147	37.7	36	9.2	51	13.1	390
	Level 2	194	53.3	170	46.7	312	85.7	52	14.3	171	47.0	141	38.7	23	6.3	29	8.0	364
	Level 3	186	50.4	183	49.6	331	89.7	38	10.3	170	46.1	161	43.6	16	4.3	22	6.0	369
	Level 4	190	50.8	184	49.2	334	89.3	40	10.7	168	44.9	166	44.4	22	5.9	18	4.8	374
	Subtotal	762	50.9	735	49.1	1,280	85.5	217	14.5	665	44.4	615	41.1	97	6.5	120	8.0	1,497
2004	Level 1	229	56.4	177	43.6	337	83.0	69	17.0	195	48.0	142	35.0	34	8.4	35	8.6	406
	Level 2	172	48.7	181	51.3	285	80.7	68	19.3	145	41.1	140	39.7	27	7.6	41	11.6	353
	Level 3	189	54.6	157	45.4	303	87.6	43	12.4	171	49.4	132	38.2	18	5.2	25	7.2	346
	Level 4	183	49.6	186	50.4	332	90.0	37	10.0	168	45.5	164	44.4	15	4.1	22	6.0	369
	Subtotal	773	52.4	701	47.6	1,257	85.3	217	14.7	679	46.1	578	39.2	94	6.4	123	8.3	1,474
2005	Level 1	197	50.8	191	49.2	322	83.0	66	17.0	172	44.3	150	38.7	25	6.4	41	10.6	388
	Level 2	212	55.8	168	44.2	321	84.5	59	15.5	185	48.7	136	35.8	27	7.1	32	8.4	380
	Level 3	174	50.4	171	49.6	279	80.9	66	19.1	147	42.6	132	38.3	27	7.8	39	11.3	345
	Level 4	184	53.6	159	46.4	301	87.8	42	12.2	166	48.4	135	39.4	18	5.2	24	7.0	343
	Subtotal	767	52.7	689	47.3	1,223	84.0	233	16.0	670	46.0	553	38.0	97	6.7	136	9.3	1,456
2006	Level 1	223	56.9	169	43.1	344	87.8	48	12.2	198	50.5	146	37.2	25	6.4	23	5.9	392
	Level 2	185	50.1	184	49.9	312	84.6	57	15.4	165	44.7	147	39.8	20	5.4	37	10.0	369
	Level 3	202	55.5	162	44.5	309	84.9	55	15.1	176	48.4	133	36.5	26	7.1	29	8.0	364
	Level 4	169	50.1	168	49.9	278	82.5	59	17.5	147	43.6	131	38.9	22	6.5	37	11.0	337
	Subtotal	779	53.3	683	46.7	1,243	85.0	219	15.0	686	46.9	557	38.1	93	6.4	126	8.6	1,462
2007	Level 1	217	55.5	174	44.5	331	84.7	60	15.3	188	48.1	143	36.6	29	7.4	31	7.9	391
	Level 2	212	57.6	156	42.4	328	89.1	40	10.9	190	51.6	138	37.5	22	6.0	18	4.9	368
	Level 3	180	50.8	174	49.2	304	85.9	50	14.1	161	45.5	143	40.4	19	5.4	31	8.8	354
	Level 4	207	56.4	160	43.6	315	85.8	52	14.2	181	49.3	134	36.5	26	7.1	26	7.1	367
	Subtotal	816	55.1	664	44.9	1,278	86.4	202	13.6	720	48.6	558	37.7	96	6.5	106	7.2	1,480
2008	Level 1	204	56.4	158	43.6	293	80.9	69	19.1	170	47.0	123	34.0	34	9.4	35	9.7	362
	Level 2	205	55.9	162	44.1	315	85.8	52	14.2	183	49.9	132	36.0	22	6.0	30	8.2	367
	Level 3	206	57.5	152	42.5	323	90.2	35	9.8	188	52.5	135	37.7	18	5.0	17	4.7	358
	Level 4	176	51.3	167	48.7	296	86.3	47	13.7	157	45.8	139	40.5	19	5.5	28	8.2	343
	Subtotal	791	55.3	639	44.7	1,227	85.8	203	14.2	698	48.8	529	37.0	93	6.5	110	7.7	1,430
2009	Level 1	215	59.9	144	40.1	281	78.3	78	21.7	177	49.3	104	29.0	38	10.6	40	11.1	359
	Level 2	192	54.9	158	45.1	288	82.3	62	17.7	165	47.1	123	35.1	27	7.7	35	10.0	350
	Level 3	201	55.5	161	44.5	312	86.2	50	13.8	180	49.7	132	36.5	21	5.8	29	8.0	362
	Level 4	204	58.0	148	42.0	316	89.8	36	10.2	186	52.8	130	36.9	18	5.1	18	5.1	352
	Subtotal	812	57.1	611	42.9	1,197	84.1	226	15.9	708	49.8	489	34.4	104	7.3	122	8.6	1,423
2010	Level 1	210	57.9	153	42.1	324	89.3	39	10.7	188	51.8	136	37.5	22	6.1	17	4.7	363
	Level 2	206	59.0	143	41.0	274	78.5	75	21.5	172	49.3	102	29.2	34	9.7	41	11.7	349
	Level 3	193	55.5	155	44.5	287	82.5	61	17.5	166	47.7	121	34.8	27	7.8	34	9.8	348
	Level 4	198	55.6	158	44.4	309	86.8	47	13.2	179	50.3	130	36.5	19	5.3	28	7.9	356
	Subtotal	807	57.0	609	43.0	1,194	84.3	222	15.7	705	49.8	489	34.5	102	7.2	120	8.5	1,416

Source: ABP Certification Management System. Residency tracking data submitted annually by program directors.

Sample: Levels 1-4 residents in ACGME-accredited Med-Peds programs in the US and Puerto Rico from 2003-2010.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program vary in length of training. Med-Peds programs last 4 years. Level 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.7(b). Yearly Count of Residents in Med-Peds Programs in Training Levels 1-4 from 2011-2018 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2011	Level 1	222	59.8	149	40.2	341	91.9	30	8.1	202	54.4	139	37.5	20	5.4	10	2.7	371
	Level 2	215	58.4	153	41.6	332	90.2	36	9.8	193	52.4	139	37.8	22	6.0	14	3.8	368
	Level 3	194	58.3	139	41.7	266	79.9	67	20.1	164	49.2	102	30.6	30	9.0	37	11.1	333
	Level 4	191	55.4	154	44.6	286	82.9	59	17.1	166	48.1	120	34.8	25	7.2	34	9.9	345
	Subtotal	822	58.0	595	42.0	1,225	86.5	192	13.5	725	51.2	500	35.3	97	6.8	95	6.7	1,417
2012	Level 1	211	56.9	160	43.1	326	87.9	45	12.1	189	50.9	137	36.9	22	5.9	23	6.2	371
	Level 2	220	59.9	147	40.1	340	92.6	27	7.4	201	54.8	139	37.9	19	5.2	8	2.2	367
	Level 3	210	58.3	150	41.7	323	89.7	37	10.3	187	51.9	136	37.8	23	6.4	14	3.9	360
	Level 4	196	58.2	141	41.8	270	80.1	67	19.9	167	49.6	103	30.6	29	8.6	38	11.3	337
	Subtotal	837	58.3	598	41.7	1,259	87.7	176	12.3	744	51.8	515	35.9	93	6.5	83	5.8	1,435
2013	Level 1	232	62.5	139	37.5	343	92.5	28	7.5	214	57.7	129	34.8	18	4.9	10	2.7	371
	Level 2	206	56.4	159	43.6	319	87.4	46	12.6	185	50.7	134	36.7	21	5.8	25	6.8	365
	Level 3	218	59.9	146	40.1	336	92.3	28	7.7	199	54.7	137	37.6	19	5.2	9	2.5	364
	Level 4	208	58.3	149	41.7	322	90.2	35	9.8	186	52.1	136	38.1	22	6.2	13	3.6	357
	Subtotal	864	59.3	593	40.7	1,320	90.6	137	9.4	784	53.8	536	36.8	80	5.5	57	3.9	1,457
2014	Level 1	205	55.0	168	45.0	332	89.0	41	11.0	186	49.9	146	39.1	19	5.1	22	5.9	373
	Level 2	228	62.6	136	37.4	336	92.3	28	7.7	210	57.7	126	34.6	18	4.9	10	2.7	364
	Level 3	205	56.0	161	44.0	320	87.4	46	12.6	185	50.5	135	36.9	20	5.5	26	7.1	366
	Level 4	217	60.1	144	39.9	334	92.5	27	7.5	198	54.8	136	37.7	19	5.3	8	2.2	361
	Subtotal	855	58.4	609	41.6	1,322	90.3	142	9.7	779	53.2	543	37.1	76	5.2	66	4.5	1,464
2015	Level 1	226	59.6	153	40.4	354	93.4	25	6.6	213	56.2	141	37.2	13	3.4	12	3.2	379
	Level 2	199	54.5	166	45.5	325	89.0	40	11.0	182	49.9	143	39.2	17	4.7	23	6.3	365
	Level 3	225	62.2	137	37.8	335	92.5	27	7.5	207	57.2	128	35.4	18	5.0	9	2.5	362
	Level 4	204	56.5	157	43.5	317	87.8	44	12.2	184	51.0	133	36.8	20	5.5	24	6.6	361
	Subtotal	854	58.2	613	41.8	1,331	90.7	136	9.3	786	53.6	545	37.2	68	4.6	68	4.6	1,467
2016	Level 1	217	56.2	169	43.8	361	93.5	25	6.5	205	53.1	156	40.4	12	3.1	13	3.4	386
	Level 2	224	59.4	153	40.6	354	93.9	23	6.1	213	56.5	141	37.4	11	2.9	12	3.2	377
	Level 3	197	54.4	165	45.6	323	89.2	39	10.8	180	49.7	143	39.5	17	4.7	22	6.1	362
	Level 4	224	62.0	137	38.0	335	92.8	26	7.2	206	57.1	129	35.7	18	5.0	8	2.2	361
	Subtotal	862	58.0	624	42.0	1,373	92.4	113	7.6	804	54.1	569	38.3	58	3.9	55	3.7	1,486
2017	Level 1	231	60.6	150	39.4	338	88.7	43	11.3	205	53.8	133	34.9	26	6.8	17	4.5	381
	Level 2	212	55.9	167	44.1	355	93.7	24	6.3	201	53.0	154	40.6	11	2.9	13	3.4	379
	Level 3	223	59.3	153	40.7	355	94.4	21	5.6	213	56.6	142	37.8	10	2.7	11	2.9	376
	Level 4	195	54.3	164	45.7	319	88.9	40	11.1	178	49.6	141	39.3	17	4.7	23	6.4	359
	Subtotal	861	57.6	634	42.4	1,367	91.4	128	8.6	797	53.3	570	38.1	64	4.3	64	4.3	1,495
2018	Level 1	223	59.0	155	41.0	353	93.4	25	6.6	206	54.5	147	38.9	17	4.5	8	2.1	378
	Level 2	226	61.1	144	38.9	329	88.9	41	11.1	202	54.6	127	34.3	24	6.5	17	4.6	370
	Level 3	211	56.0	166	44.0	353	93.6	24	6.4	200	53.1	153	40.6	11	2.9	13	3.4	377
	Level 4	224	59.6	152	40.4	356	94.7	20	5.3	215	57.2	141	37.5	9	2.4	11	2.9	376
	Subtotal	884	58.9	617	41.1	1,391	92.7	110	7.3	823	54.8	568	37.8	61	4.1	49	3.3	1,501

Source: ABP Certification Management System. Residency tracking data submitted annually by program directors.

Sample: Levels 1-4 residents in ACGME-accredited Med-Peds programs in the US and Puerto Rico from 2011-2018.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency program vary in length of training. Med-Peds programs last 4 years. Level 5 may include chief residents. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Figure 2.5 Yearly Count of First-Year (Level 1) Residents in Med-Peds Programs Since 2003 by Gender

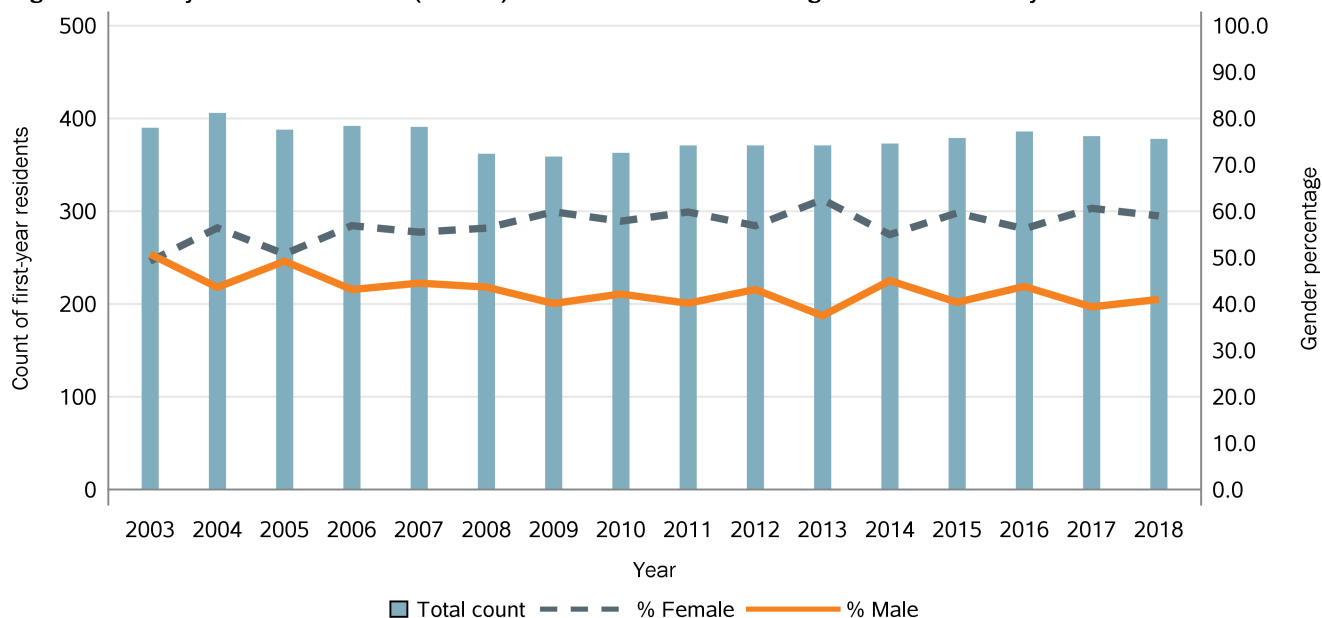
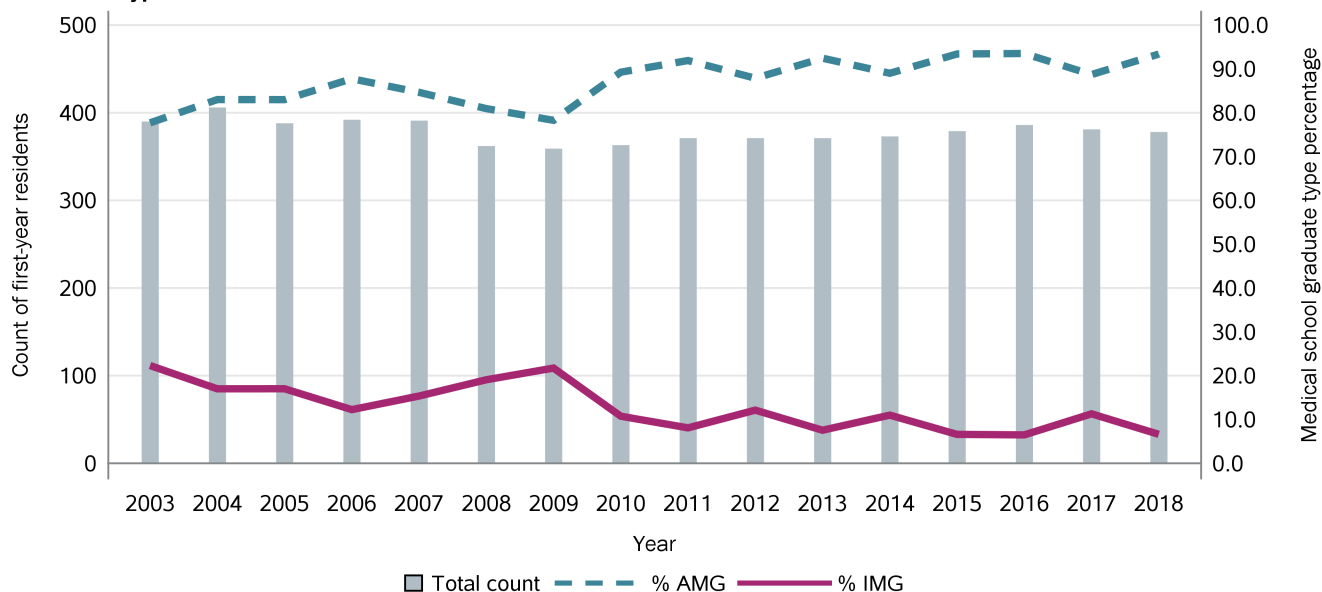


Figure 2.6 Yearly Count of First-Year (Level 1) Residents in Med-Peds Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 residents in ACGME-accredited Categorical programs in the US and Puerto-Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Med-Peds programs last 4 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*. Only level 1 residents are shown for ease of comparison across residency program types. Detailed information can be found in Tables 2.7(a) and 2.7(b).

Table 2.8(a). Yearly Count of Residents in Other Combined Programs in Training Levels 1-5 from 2003-2010 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	16	57.1	12	42.9	27	96.4	1	3.6	16	57.1	11	39.3	0	0.0	1	3.6	28
	Level 2	18	66.7	9	33.3	24	88.9	3	11.1	17	63.0	7	25.9	1	3.7	2	7.4	27
	Level 3	13	54.2	11	45.8	22	91.7	2	8.3	12	50.0	10	41.7	1	4.2	1	4.2	24
	Level 4	16	61.5	10	38.5	24	92.3	2	7.7	15	57.7	9	34.6	1	3.8	1	3.8	26
	Level 5	5	41.7	7	58.3	11	91.7	1	8.3	4	33.3	7	58.3	1	8.3	0	0.0	12
	Subtotal	68	58.1	49	41.9	108	92.3	9	7.7	64	54.7	44	37.6	4	3.4	5	4.3	117
2004	Level 1	21	63.6	12	36.4	30	90.9	3	9.1	21	63.6	9	27.3	0	0.0	3	9.1	33
	Level 2	16	59.3	11	40.7	25	92.6	2	7.4	16	59.3	9	33.3	0	0.0	2	7.4	27
	Level 3	18	69.2	8	30.8	25	96.2	1	3.8	17	65.4	8	30.8	1	3.8	0	0.0	26
	Level 4	13	56.5	10	43.5	21	91.3	2	8.7	12	52.2	9	39.1	1	4.3	1	4.3	23
	Level 5	11	68.8	5	31.3	16	100.0	0	0.0	11	68.8	5	31.3	0	0.0	0	0.0	16
	Subtotal	79	63.2	46	36.8	117	93.6	8	6.4	77	61.6	40	32.0	2	1.6	6	4.8	125
2005	Level 1	20	57.1	15	42.9	34	97.1	1	2.9	19	54.3	15	42.9	1	2.9	0	0.0	35
	Level 2	19	65.5	10	34.5	27	93.1	2	6.9	19	65.5	8	27.6	0	0.0	2	6.9	29
	Level 3	16	59.3	11	40.7	24	88.9	3	11.1	15	55.6	9	33.3	1	3.7	2	7.4	27
	Level 4	17	68.0	8	32.0	24	96.0	1	4.0	16	64.0	8	32.0	1	4.0	0	0.0	25
	Level 5	7	58.3	5	41.7	10	83.3	2	16.7	6	50.0	4	33.3	1	8.3	1	8.3	12
	Subtotal	79	61.7	49	38.3	119	93.0	9	7.0	75	58.6	44	34.4	4	3.1	5	3.9	128
2006	Level 1	23	62.2	14	37.8	35	94.6	2	5.4	21	56.8	14	37.8	2	5.4	0	0.0	37
	Level 2	18	56.3	14	43.8	31	96.9	1	3.1	17	53.1	14	43.8	1	3.1	0	0.0	32
	Level 3	18	69.2	8	30.8	24	92.3	2	7.7	18	69.2	6	23.1	0	0.0	2	7.7	26
	Level 4	17	58.6	12	41.4	26	89.7	3	10.3	16	55.2	10	34.5	1	3.4	2	6.9	29
	Level 5	9	69.2	4	30.8	13	100.0	0	0.0	9	69.2	4	30.8	0	0.0	0	0.0	13
	Subtotal	85	62.0	52	38.0	129	94.2	8	5.8	81	59.1	48	35.0	4	2.9	4	2.9	137
2007	Level 1	29	70.7	12	29.3	33	80.5	8	19.5	26	63.4	7	17.1	3	7.3	5	12.2	41
	Level 2	21	60.0	14	40.0	32	91.4	3	8.6	19	54.3	13	37.1	2	5.7	1	2.9	35
	Level 3	17	56.7	13	43.3	29	96.7	1	3.3	16	53.3	13	43.3	1	3.3	0	0.0	30
	Level 4	18	69.2	8	30.8	24	92.3	2	7.7	18	69.2	6	23.1	0	0.0	2	7.7	26
	Level 5	13	61.9	8	38.1	18	85.7	3	14.3	10	47.6	8	38.1	3	14.3	0	0.0	21
	Subtotal	98	64.1	55	35.9	136	88.9	17	11.1	89	58.2	47	30.7	9	5.9	8	5.2	153
2008	Level 1	23	69.7	10	30.3	30	90.9	3	9.1	22	66.7	8	24.2	1	3.0	2	6.1	33
	Level 2	29	72.5	11	27.5	33	82.5	7	17.5	27	67.5	6	15.0	2	5.0	5	12.5	40
	Level 3	20	60.6	13	39.4	30	90.9	3	9.1	18	54.5	12	36.4	2	6.1	1	3.0	33
	Level 4	19	57.6	14	42.4	31	93.9	2	6.1	18	54.5	13	39.4	1	3.0	1	3.0	33
	Level 5	20	71.4	8	28.6	26	92.9	2	7.1	20	71.4	6	21.4	0	0.0	2	7.1	28
	Subtotal	111	66.5	56	33.5	150	89.8	17	10.2	105	62.9	45	26.9	6	3.6	11	6.6	167
2009	Level 1	27	75.0	9	25.0	32	88.9	4	11.1	24	66.7	8	22.2	3	8.3	1	2.8	36
	Level 2	22	68.8	10	31.3	29	90.6	3	9.4	21	65.6	8	25.0	1	3.1	2	6.3	32
	Level 3	28	77.8	8	22.2	30	83.3	6	16.7	26	72.2	4	11.1	2	5.6	4	11.1	36
	Level 4	19	59.4	13	40.6	29	90.6	3	9.4	17	53.1	12	37.5	2	6.3	1	3.1	32
	Level 5	18	58.1	13	41.9	30	96.8	1	3.2	17	54.8	13	41.9	1	3.2	0	0.0	31
	Subtotal	114	68.3	53	31.7	150	89.8	17	10.2	105	62.9	45	26.9	9	5.4	8	4.8	167
2010	Level 1	21	75.0	7	25.0	27	96.4	1	3.6	20	71.4	7	25.0	1	3.6	0	0.0	28
	Level 2	28	73.7	10	26.3	33	86.8	5	13.2	24	63.2	9	23.7	4	10.5	1	2.6	38
	Level 3	20	66.7	10	33.3	27	90.0	3	10.0	19	63.3	8	26.7	1	3.3	2	6.7	30
	Level 4	28	77.8	8	22.2	30	83.3	6	16.7	26	72.2	4	11.1	2	5.6	4	11.1	36
	Level 5	9	56.3	7	43.8	13	81.3	3	18.8	7	43.8	6	37.5	2	12.5	1	6.3	16
	Subtotal	106	71.6	42	28.4	130	87.8	18	12.2	96	64.9	34	23.0	10	6.8	8	5.4	148

Source: ABP Certification Management System. Residency tracking data submitted annually by program directors.

Sample: Levels 1-4 residents in ACGME-accredited Med-Peds programs in the US and Puerto Rico from 2003-2010.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Other Combined programs typically last 5 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 2.8(b). Yearly Count of Residents in Other Combined Programs in Training Levels 1-5 from 2011-2018 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total residents n
		Female		Male		AMG		IMG		AMG/female		AMG/male		IMG/female		IMG/male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2011	Level 1	28	75.7	9	24.3	32	86.5	5	13.5	23	62.2	9	24.3	5	13.5	0	0.0	37
	Level 2	27	69.2	12	30.8	38	97.4	1	2.6	26	66.7	12	30.8	1	2.6	0	0.0	39
	Level 3	27	73.0	10	27.0	32	86.5	5	13.5	23	62.2	9	24.3	4	10.8	1	2.7	37
	Level 4	19	65.5	10	34.5	26	89.7	3	10.3	18	62.1	8	27.6	1	3.4	2	6.9	29
	Level 5	27	77.1	8	22.9	29	82.9	6	17.1	25	71.4	4	11.4	2	5.7	4	11.4	35
	Subtotal	128	72.3	49	27.7	157	88.7	20	11.3	115	65.0	42	23.7	13	7.3	7	4.0	177
2012	Level 1	23	62.2	14	37.8	35	94.6	2	5.4	21	56.8	14	37.8	2	5.4	0	0.0	37
	Level 2	25	67.6	12	32.4	33	89.2	4	10.8	21	56.8	12	32.4	4	10.8	0	0.0	37
	Level 3	28	70.0	12	30.0	39	97.5	1	2.5	27	67.5	12	30.0	1	2.5	0	0.0	40
	Level 4	27	73.0	10	27.0	32	86.5	5	13.5	23	62.2	9	24.3	4	10.8	1	2.7	37
	Level 5	11	73.3	4	26.7	13	86.7	2	13.3	10	66.7	3	20.0	1	6.7	1	6.7	15
	Subtotal	114	68.7	52	31.3	152	91.6	14	8.4	102	61.4	50	30.1	12	7.2	2	1.2	166
2013	Level 1	32	71.1	13	28.9	42	93.3	3	6.7	29	64.4	13	28.9	3	6.7	0	0.0	45
	Level 2	22	57.9	16	42.1	35	92.1	3	7.9	20	52.6	15	39.5	2	5.3	1	2.6	38
	Level 3	26	70.3	11	29.7	33	89.2	4	10.8	22	59.5	11	29.7	4	10.8	0	0.0	37
	Level 4	28	70.0	12	30.0	39	97.5	1	2.5	27	67.5	12	30.0	1	2.5	0	0.0	40
	Level 5	14	73.7	5	26.3	17	89.5	2	10.5	13	68.4	4	21.1	1	5.3	1	5.3	19
	Subtotal	122	68.2	57	31.8	166	92.7	13	7.3	111	62.0	55	30.7	11	6.1	2	1.1	179
2014	Level 1	30	66.7	15	33.3	37	82.2	8	17.8	25	55.6	12	26.7	5	11.1	3	6.7	45
	Level 2	31	70.5	13	29.5	41	93.2	3	6.8	28	63.6	13	29.5	3	6.8	0	0.0	44
	Level 3	22	59.5	15	40.5	34	91.9	3	8.1	20	54.1	14	37.8	2	5.4	1	2.7	37
	Level 4	24	68.6	11	31.4	31	88.6	4	11.4	20	57.1	11	31.4	4	11.4	0	0.0	35
	Level 5	15	57.7	11	42.3	25	96.2	1	3.8	14	53.8	11	42.3	1	3.8	0	0.0	26
	Subtotal	122	65.2	65	34.8	168	89.8	19	10.2	107	57.2	61	32.6	15	8.0	4	2.1	187
2015	Level 1	34	66.7	17	33.3	46	90.2	5	9.8	30	58.8	16	31.4	4	7.8	1	2.0	51
	Level 2	31	64.6	17	35.4	40	83.3	8	16.7	26	54.2	14	29.2	5	10.4	3	6.3	48
	Level 3	31	70.5	13	29.5	41	93.2	3	6.8	28	63.6	13	29.5	3	6.8	0	0.0	44
	Level 4	22	59.5	15	40.5	34	91.9	3	8.1	20	54.1	14	37.8	2	5.4	1	2.7	37
	Level 5	12	63.2	7	36.8	19	100.0	0	0.0	12	63.2	7	36.8	0	0.0	0	0.0	19
	Subtotal	130	65.3	69	34.7	180	90.5	19	9.5	116	58.3	64	32.2	14	7.0	5	2.5	199
2016	Level 1	37	69.8	16	30.2	48	90.6	5	9.4	35	66.0	13	24.5	2	3.8	3	5.7	53
	Level 2	36	66.7	18	33.3	49	90.7	5	9.3	32	59.3	17	31.5	4	7.4	1	1.9	54
	Level 3	31	64.6	17	35.4	40	83.3	8	16.7	26	54.2	14	29.2	5	10.4	3	6.3	48
	Level 4	31	72.1	12	27.9	40	93.0	3	7.0	28	65.1	12	27.9	3	7.0	0	0.0	43
	Level 5	22	66.7	11	33.3	32	97.0	1	3.0	21	63.6	11	33.3	1	3.0	0	0.0	33
	Subtotal	157	68.0	74	32.0	209	90.5	22	9.5	142	61.5	67	29.0	15	6.5	7	3.0	231
2017	Level 1	43	81.1	10	18.9	44	83.0	9	17.0	38	71.7	6	11.3	5	9.4	4	7.5	53
	Level 2	38	70.4	16	29.6	49	90.7	5	9.3	36	66.7	13	24.1	2	3.7	3	5.6	54
	Level 3	36	65.5	19	34.5	50	90.9	5	9.1	32	58.2	18	32.7	4	7.3	1	1.8	55
	Level 4	28	63.6	16	36.4	36	81.8	8	18.2	23	52.3	13	29.5	5	11.4	3	6.8	44
	Level 5	14	70.0	6	30.0	18	90.0	2	10.0	12	60.0	6	30.0	2	10.0	0	0.0	20
	Subtotal	159	70.4	67	29.6	197	87.2	29	12.8	141	62.4	56	24.8	18	8.0	11	4.9	226
2018	Level 1	34	61.8	21	38.2	52	94.5	3	5.5	33	60.0	19	34.5	1	1.8	2	3.6	55
	Level 2	43	76.8	13	23.2	47	83.9	9	16.1	38	67.9	9	16.1	5	8.9	4	7.1	56
	Level 3	36	70.6	15	29.4	46	90.2	5	9.8	34	66.7	12	23.5	2	3.9	3	5.9	51
	Level 4	36	67.9	17	32.1	47	88.7	6	11.3	31	58.5	16	30.2	5	9.4	1	1.9	53
	Level 5	9	50.0	9	50.0	15	83.3	3	16.7	6	33.3	9	50.0	3	16.7	0	0.0	18
	Subtotal	158	67.8	75	32.2	207	88.8	26	11.2	142	60.9	65	27.9	16	6.9	10	4.3	233

Source: ABP Certification Management System. Residency tracking data submitted annually by program directors.

Sample: Levels 1-4 residents in ACGME-accredited Med-Peds programs in the US and Puerto Rico from 2011-2018.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Other Combined programs typically last 5 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Figure 2.7 Yearly Count of First-Year (Level 1) Residents in Other Combined Programs Since 2003 by Gender

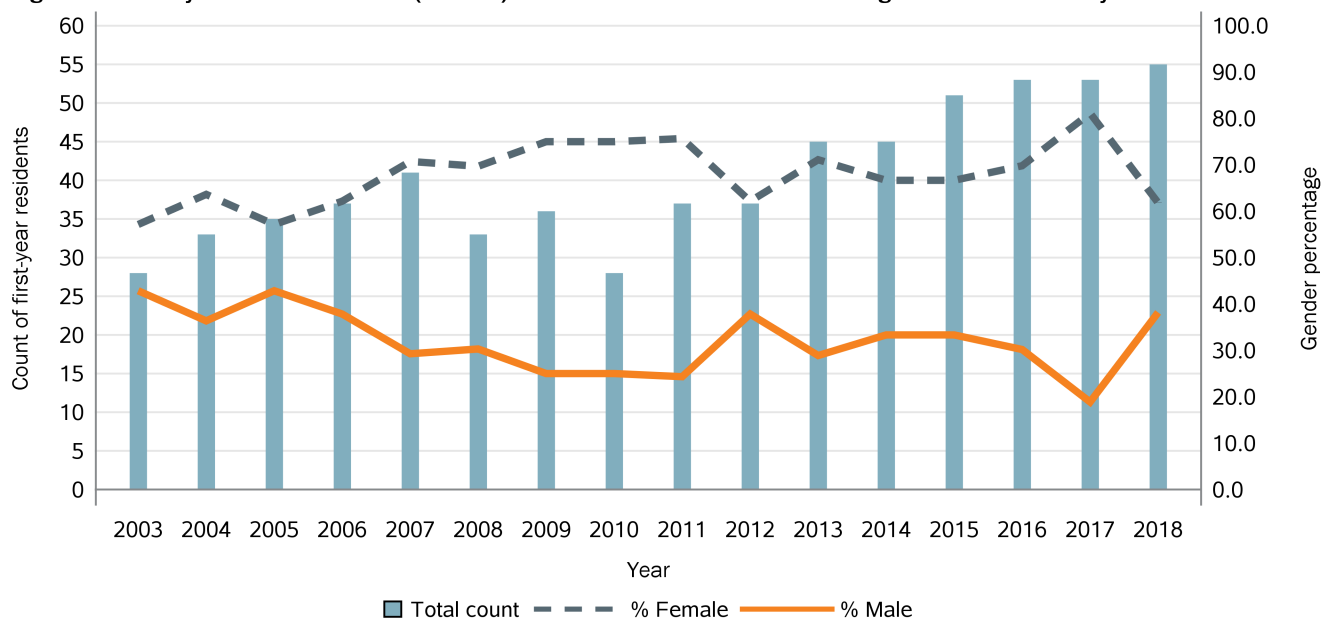
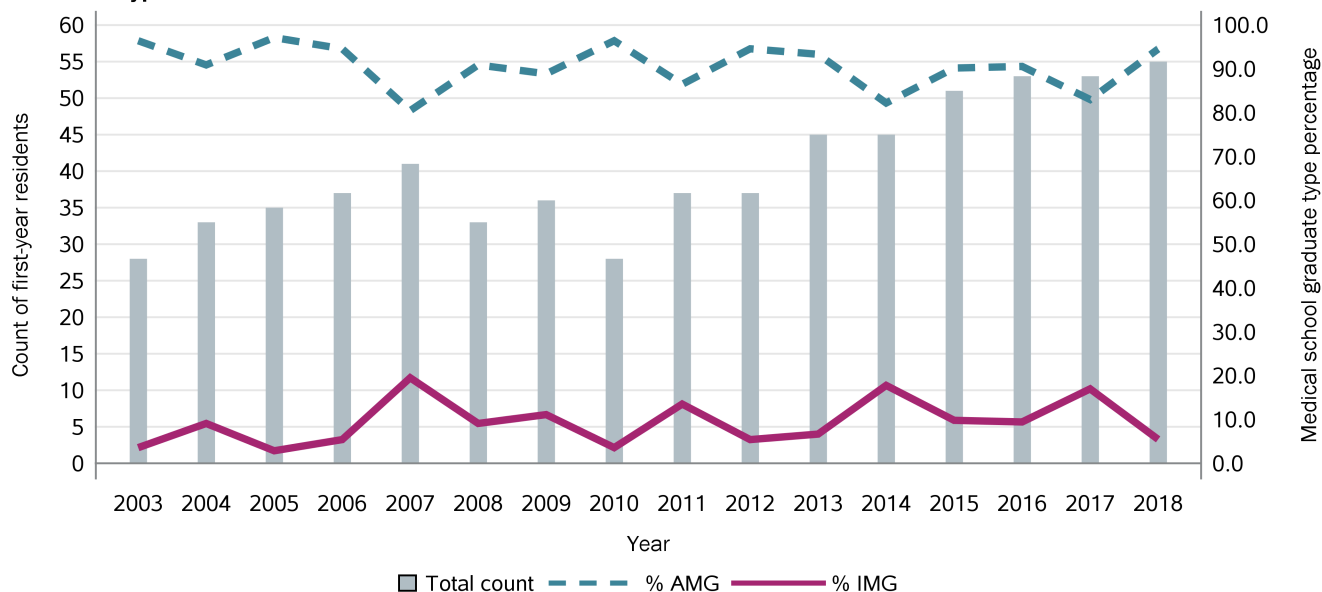


Figure 2.8 Yearly Count of First-Year (Level 1) Residents in Other Combined Programs Since 2003 by Medical School Graduate Type




Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 residents in ACGME-accredited Categorical programs in the US and Puerto-Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Residency programs vary in length of training. Other Combined programs typically last 5 years. For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*. Only level 1 residents are shown for ease of comparison across residency program types. Detailed information can be found in Tables 2.8(a) and 2.8(b).



Section 3. Subspecialty Fellowship Tracking Information

Section 3. Subspecialty Fellowship Tracking Information

Key Findings

- In 2018, there were 4,201 pediatric subspecialty fellows in ACGME-accredited training programs in the United States and Puerto Rico. Neonatal-Perinatal Medicine had the most fellows (778 across levels 1-5), while Child Abuse Pediatrics had the least (36 across levels 1-5). (Table 3.1)
- The total number of first-year pediatric subspecialty fellows in Level 1 training has increased 56.7% over the last 15 years, from 922 in 2003 to 1,445 in 2018. (Table 3.2)
- The percentage of female first-year subspecialty fellows has increased from 54.2% in 2003 to 67.7% in 2018. Over this same time, the percent of international medical school graduates has remained relatively stable around 25-30%. (Figure 3.1, 3.2)
- This year, Child Abuse Pediatrics has the highest percentage of female first-year fellows (88.9%) while Pediatric Cardiology has the lowest (50.0%). Pediatric Pulmonology has the highest percentage of international medical school graduates (45.8%) and Adolescent Medicine has the lowest (6.5%). (Table 3.4)

What does this section include?

Section 3 reports on tracking data provided in fall 2018 of the 2018-19 academic year (July through June) by program directors of ABP pediatric subspecialty fellowship training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) in the United States and Puerto Rico. Data include the number of fellows in training in a single subspecialty discipline, two subspecialty disciplines simultaneously, or in adult and pediatric subspecialty training simultaneously. For ease of comparison, the same data have been reported for the past 15 years since 2003. Analyses employ demographic variables available to the ABP for all subspecialty program types.

For information about the pediatric subspecialty training programs themselves, including accreditation requirements, number of accredited programs by specialty, and the variability in size of accredited programs, please see the ACGME website at <http://www.acgme.org>.

What is helpful to know when reviewing these data?

- For this report, tracking data have been included only for ACGME-accredited training programs. The report does not include data from Canadian programs accredited by the RSPSC reported from 2003 to date. This decision to limit data presentation to only ACGME-accredited programs was made to decrease possibilities for data misinterpretation, as Canadian programs differ in their requirements for accreditation.
- Section 4 reports subspecialty data by ABP subspecialty trainee types and not program types because individual subspecialty fellows are permitted to arrange dual or combined training across the twenty-four American Board of Medical Specialties (ABMS) member boards.
- Apart from Table 3.1, fellowship tracking data are primarily calculated for the first-year training (level 1) for simplicity in comparisons. In each individual subspecialty area (Sections 4.1 through 4.14), fellowship tracking data are shown for training levels 1 to 3.
- Data are primarily presented for the ABP subspecialties and the co-sponsored subspecialties when the examinations are administered by the ABP. Data for non-ABP specialties (eg, child neurology) and multi-specialty subspecialties may be included in Table 3.1 if a diplomate is undertaking a dual or combined fellowship. See Pediatric Subspecialty Types in the ABP's *Pediatric Physicians Workforce Methodology Summary* for more information.
- Adolescent Medicine and Emergency Medicine tracking data are included in this section. The Adolescent Medicine tracking data primarily include diplomates from the ABP and may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP and may include diplomates from the American Board of Emergency Medicine.

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Table 3.1. Pediatric Subspecialty Fellowship Tracking: Number of Fellows by Subspecialty Training Type and Training Level in 2018

Subspecialty training type	Pediatric fellowship training levels					Total
	1	2	3	4	5	
ABP pediatric subspecialty trainees						
Adolescent Medicine	31	28	31	0	0	90
Pediatric Cardiology	154	147	144	5	0	450
Child Abuse Pediatrics	18	12	6	0	0	36
Pediatric Critical Care Medicine	193	183	160	1	0	537
Developmental-Behavioral Pediatrics	42	41	28	0	0	111
Pediatric Emergency Medicine	189	186	168	0	0	543
Pediatric Endocrinology	82	80	81	0	0	243
Pediatric Gastroenterology	113	101	101	1	0	316
Pediatric Hematology-Oncology	161	167	164	1	0	493
Pediatric Infectious Diseases	60	60	52	0	0	172
Neonatal-Perinatal Medicine	268	253	255	2	0	778
Pediatric Nephrology	46	34	34	1	0	115
Pediatric Pulmonology	59	48	57	0	0	164
Pediatric Rheumatology	29	35	29	0	0	93
Dual and combined trainees						
Adult and Pediatric Critical Care Medicine	0	1	0	0	0	1
Adult and Pediatric Endocrinology	1	1	1	3	0	6
Adult and Pediatric Hematology-Oncology	2	0	3	1	0	6
Adult and Pediatric Infectious Diseases	4	3	4	5	0	16
Adult and Pediatric Nephrology	0	1	2	1	0	4
Adult and Pediatric Pulmonology	0	1	0	0	0	1
Adult and Pediatric Rheumatology	2	3	2	1	0	8
Allergy and Immunology	0	0	0	1	0	1
Allergy and Immunology and Pediatric Infectious Diseases	0	0	1	0	0	1
Child Abuse Pediatrics and Pediatric Emergency Medicine	2	0	1	1	0	4
Neonatal-Perinatal Medicine and Genetics	0	0	0	1	1	2
Pediatric Critical Care Medicine - Anesthesiology	0	0	0	0	1	1
Pediatric Critical Care Medicine and Pediatric Infectious Diseases	1	0	0	2	0	3
Pediatric Critical Care Medicine and Pediatric Pulmonology	0	0	0	1	0	1
Pediatric Infectious Diseases and Neonatal-Perinatal Medicine	0	1	1	0	0	2
Pediatric Pulmonology and Neonatal-Perinatal Medicine	0	0	1	0	0	1
Pediatric Pulmonology, Adult Critical Care Medicine, and Adult Pulmonology	0	1	0	0	0	1
Total	1,457	1,387	1,326	28	2	4,201

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-5 fellows enrolled in ACGME-accredited training programs in the US and Puerto Rico in 2018 (n=4,201).

Response Rate: Not applicable.

Missing data: None.

Considerations for interpretation: Most fellowships are three years in length. However, a few individuals undertake dual or combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). For descriptions of pediatric training levels and residency program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*. Adolescent Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine.

Table 3.2. Yearly Count of All Pediatric Subspecialty First-Year (Level 1) Fellows in Training Since 2003 by Demographics

Year	Gender				Medical school graduate type				Total fellows
	Female		Male		AMG		IMG		
	n	%	n	%	n	%	n	%	
2003	500	54.2	422	45.8	645	70.0	277	30.0	922
2004	534	55.6	427	44.4	701	72.9	260	27.1	961
2005	563	58.2	405	41.8	691	71.4	277	28.6	968
2006	598	57.4	443	42.6	736	70.7	305	29.3	1,041
2007	640	59.5	435	40.5	757	70.4	318	29.6	1,075
2008	705	61.0	450	39.0	825	71.4	330	28.6	1,155
2009	731	62.9	432	37.1	822	70.7	341	29.3	1,163
2010	799	64.5	440	35.5	878	70.9	361	29.1	1,239
2011	795	64.2	444	35.8	848	68.4	391	31.6	1,239
2012	838	65.3	446	34.7	904	70.4	380	29.6	1,284
2013	849	65.0	458	35.0	914	69.9	393	30.1	1,307
2014	887	65.2	474	34.8	957	70.3	404	29.7	1,361
2015	954	69.7	415	30.3	997	72.8	372	27.2	1,369
2016	933	67.5	450	32.5	1,027	74.3	356	25.7	1,383
2017	943	66.6	473	33.4	1,053	74.4	363	25.6	1,416
2018	978	67.7	467	32.3	1,045	72.3	400	27.7	1,445

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found for each of the subspecialties in Section 4. Adolescent Medicine and Emergency Medicine tracking data are included in this table. The Adolescent Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine.

Figure 3.1 Yearly Count of All Pediatric Subspecialty First-Year (Level 1) Fellows in Training Since 2003 by Gender

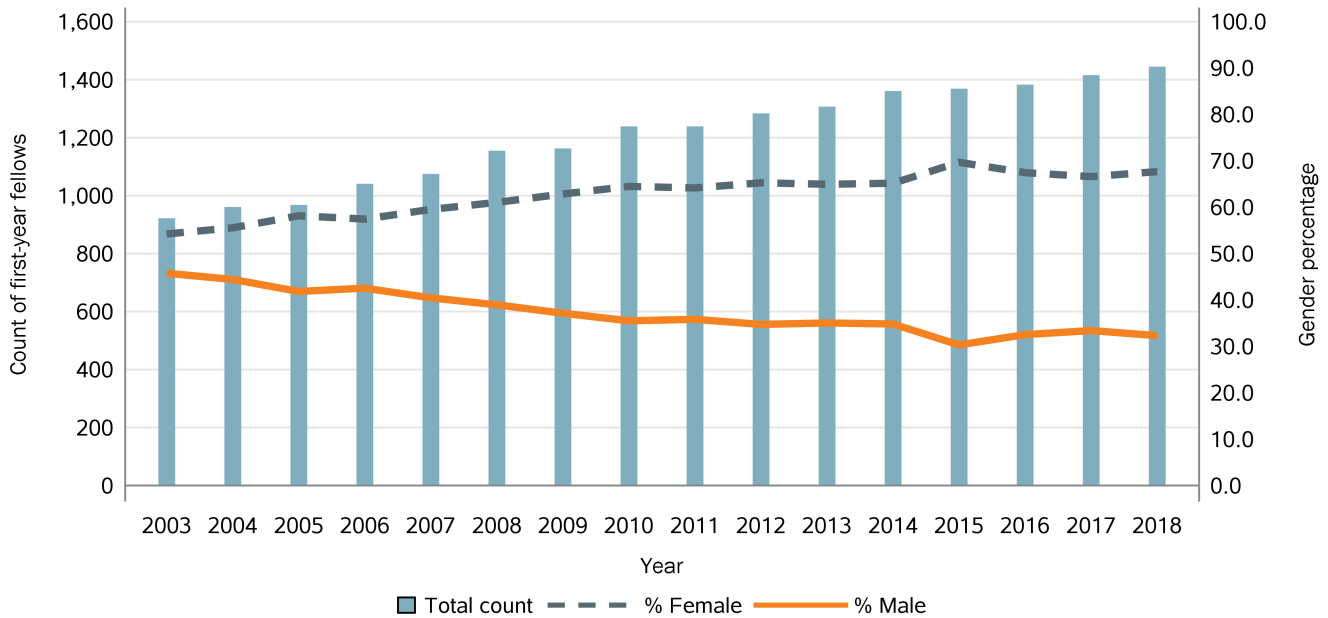
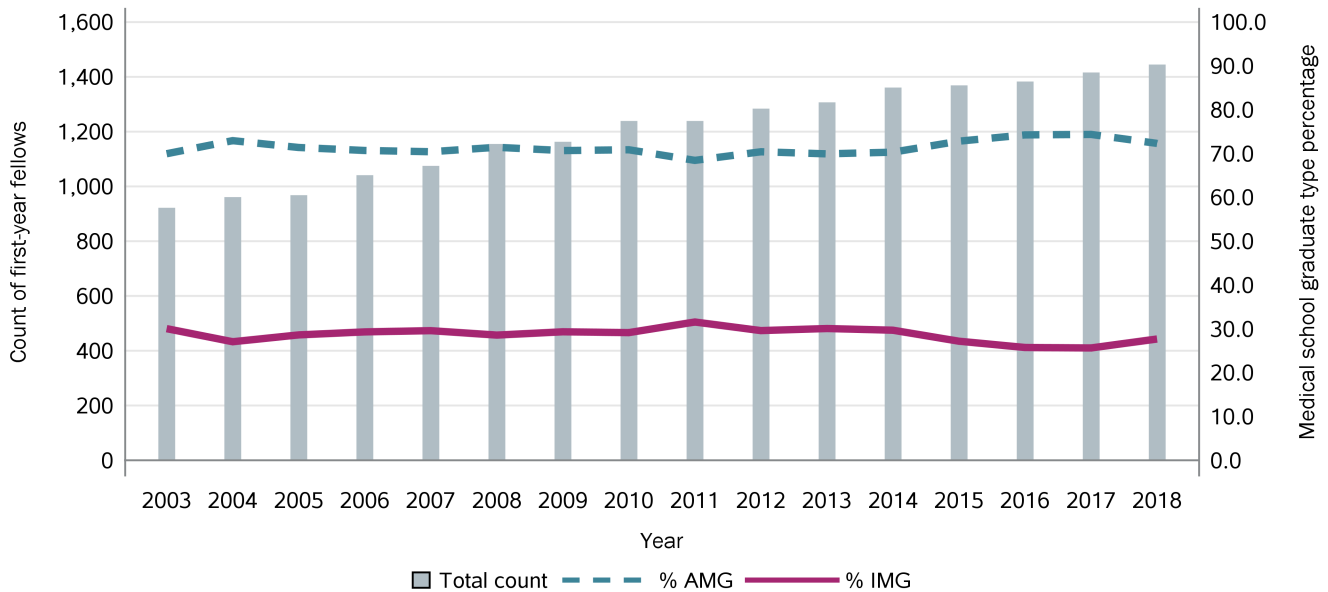


Figure 3.2 Yearly Count of All Pediatric Subspecialty First-Year (Level 1) Fellows in Training Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found for each of the subspecialties in Section 4. Adolescent Medicine and Emergency Medicine tracking data are included in this table. The Adolescent Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine. For descriptions of pediatric training levels and fellowship program types, see *Key Definitions* in the *Pediatric Physicians Workforce Methodology Summary*.

Table 3.3. Yearly Count of All Pediatric Subspecialty First-Year (Level 1) Fellows in Training Since 2003 by ABP Subspecialty

ABP subspecialty	Years															
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Adolescent Medicine	26	24	19	21	24	28	23	28	23	35	23	28	35	34	29	31
Pediatric Cardiology	104	111	100	115	110	125	127	141	140	139	141	145	149	152	152	154
Child Abuse Pediatrics	-	-	-	-	11	11	9	11	8	11	12	13	16	7	14	18
Pediatric Critical Care Medicine	99	114	114	138	127	120	148	139	147	153	167	171	179	179	190	193
Developmental-Behavioral Pediatrics	20	24	25	25	19	30	26	36	31	31	37	32	40	30	41	42
Pediatric Emergency Medicine	82	94	115	108	118	116	124	143	143	155	168	168	168	187	191	189
Pediatric Endocrinology	73	65	70	76	75	89	75	92	87	88	84	85	88	81	82	82
Pediatric Gastroenterology	58	65	68	72	74	82	84	87	91	93	95	94	102	101	103	113
Pediatric Hematology-Oncology	106	119	118	118	134	138	143	153	150	158	167	171	169	168	167	161
Pediatric Infectious Diseases	59	56	52	61	55	62	59	63	59	61	56	66	50	58	62	60
Neonatal-Perinatal Medicine	194	192	187	207	211	237	222	218	240	235	243	257	261	261	258	268
Pediatric Nephrology	39	36	36	31	44	39	46	47	41	42	35	41	33	36	36	46
Pediatric Pulmonology	47	42	38	42	52	47	50	58	52	58	56	58	54	60	52	59
Pediatric Rheumatology	15	19	26	27	21	31	27	23	27	25	23	32	25	29	39	29
Total	922	961	968	1,041	1,075	1,155	1,163	1,239	1,239	1,284	1,307	1,361	1,369	1,383	1,416	1,445

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found for each of the subspecialties in Section 4. Adolescent Medicine and Emergency Medicine tracking data are included in this table. The Adolescent Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine.

Table 3.4. Pediatric Subspecialty Fellowship Tracking: Number of First-Year (Level 1) Fellows in 2018 by ABP Subspecialty and Demographics

ABP subspecialty	Age								Gender				Medical school graduate type				Total Fellows	
	No birth year available		≤ 30		31 to 40		≥ 41		Female		Male		AMG		IMG			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
Adolescent Medicine	0	0.0	8	25.8	23	74.2	0	0.0	25	80.6	6	19.4	29	93.5	2	6.5	31	2.1
Pediatric Cardiology	0	0.0	35	22.7	117	76.0	2	1.3	77	50.0	77	50.0	118	76.6	36	23.4	154	10.7
Child Abuse Pediatrics	0	0.0	5	27.8	13	72.2	0	0.0	16	88.9	2	11.1	15	83.3	3	16.7	18	1.2
Pediatric Critical Care Medicine	0	0.0	44	22.8	145	75.1	4	2.1	106	54.9	87	45.1	138	71.5	55	28.5	193	13.4
Developmental-Behavioral Pediatrics	0	0.0	4	9.5	31	73.8	7	16.7	37	88.1	5	11.9	26	61.9	16	38.1	42	2.9
Pediatric Emergency Medicine	0	0.0	28	14.8	160	84.7	1	0.5	138	73.0	51	27.0	147	77.8	42	22.2	189	13.1
Pediatric Endocrinology	0	0.0	25	30.5	54	65.9	3	3.7	69	84.1	13	15.9	46	56.1	36	43.9	82	5.7
Pediatric Gastroenterology	0	0.0	29	25.7	81	71.7	3	2.7	73	64.6	40	35.4	87	77.0	26	23.0	113	7.8
Pediatric Hematology-Oncology	0	0.0	33	20.5	125	77.6	3	1.9	106	65.8	55	34.2	125	77.6	36	22.4	161	11.1
Pediatric Infectious Diseases	0	0.0	9	15.0	47	78.3	4	6.7	39	65.0	21	35.0	40	66.7	20	33.3	60	4.2
Neonatal-Perinatal Medicine	0	0.0	57	21.3	197	73.5	14	5.2	201	75.0	67	25.0	185	69.0	83	31.0	268	18.5
Pediatric Nephrology	0	0.0	12	26.1	31	67.4	3	6.5	37	80.4	9	19.6	34	73.9	12	26.1	46	3.2
Pediatric Pulmonology	0	0.0	5	8.5	50	84.7	4	6.8	35	59.3	24	40.7	32	54.2	27	45.8	59	4.1
Pediatric Rheumatology	0	0.0	5	17.2	24	82.8	0	0.0	19	65.5	10	34.5	23	79.3	6	20.7	29	2.0
Total	0	0.0	299	20.7	1,098	76.0	48	3.3	978	67.7	467	32.3	1,045	72.3	400	27.7	1,445	100.0

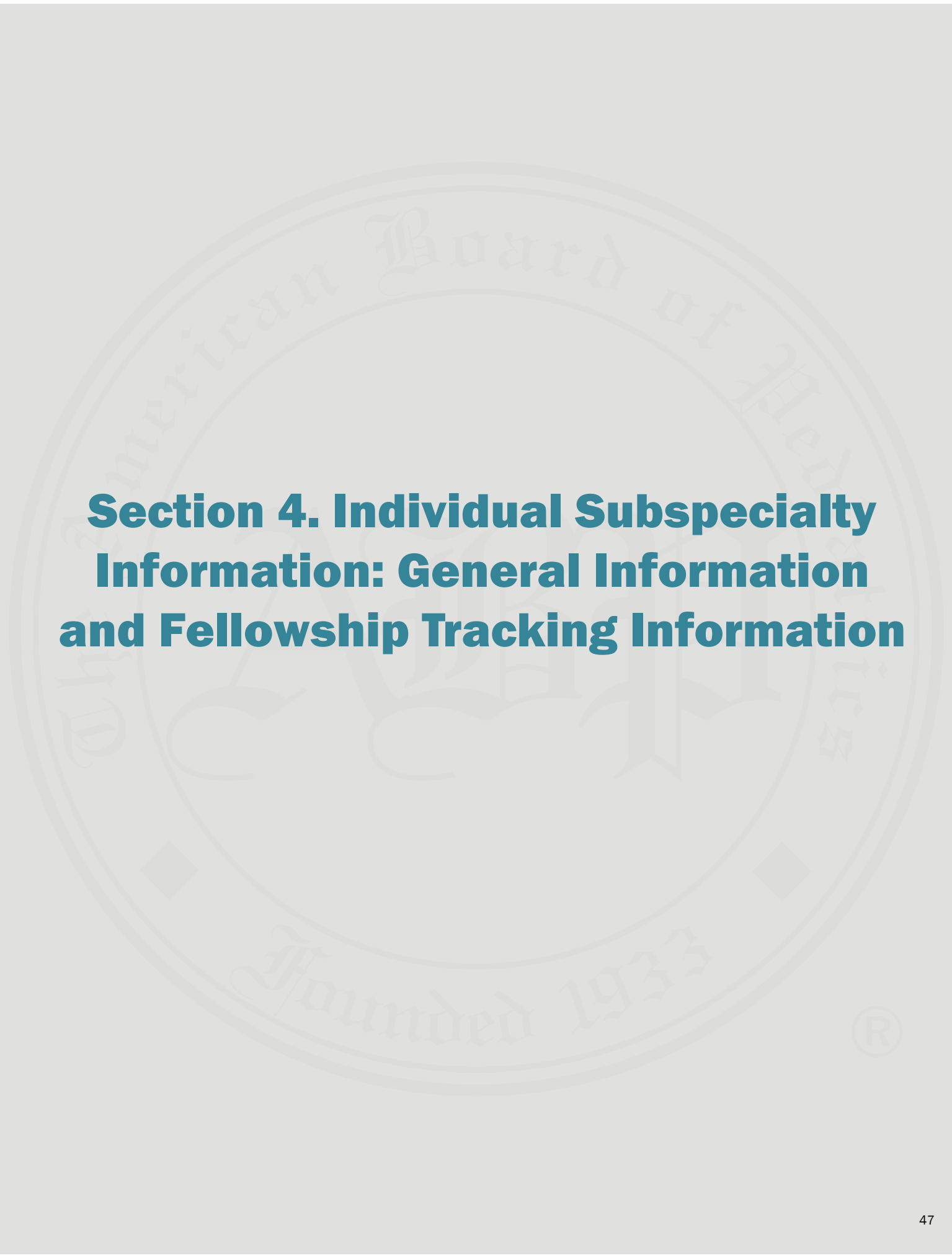
Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows enrolled in ACGME-accredited training programs in the US and Puerto Rico in 2018.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found for each of the subspecialties in Section 4. Adolescent Medicine and Emergency Medicine tracking data are included in this table. The Adolescent Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine.



Section 4. Individual Subspecialty Information: General Information and Fellowship Tracking Information

Section 4. Individual Subspecialty Information: General Information and Fellowship Tracking Information

What does this section include?

Section 4 reports on data related to the 14 individual subspecialties for which the ABP currently offers certifying examinations. Subspecialties are presented in alphabetical order.

Data are drawn from three sources:

- 1) Certification data drawn from the ABP's Certification Management System (CMS).
- 2) Tracking data provided in fall 2018 of the 2018-2019 academic year (July through June) by program directors of pediatric subspecialty fellowship training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME). For ease of comparison, the same data have been provided for the past 15 years since 2003.
- 3) U.S. Census Bureau Population Estimates as of July 1, 2017.

Analyses employ demographic variables available to the ABP for all trainees and diplomates.

For information about the pediatric subspecialty training programs themselves, including accreditation requirements, number of accredited programs by specialty, and the variability in size of accredited programs, please see the ACGME website at <http://www.acgme.org>.

What is helpful to know when reviewing these data?

- See Table 1.1. in *Section 1. General Information on All Certified Diplomates* for the year in which each specific subspecialty's certification examination was first awarded.
- The ABP is currently unable to access the U.S. Social Security Administration's Death Master File due to changes in federal regulations. Thus, the ABP cannot determine which diplomates have deceased in recent years. To better approximate an estimate of the actual numbers of certified pediatric physicians, a proxy measure has been used to limit the sample of those ever certified to those individuals age 70 and under.
- Clinical activity of the pediatric workforce is a major concern for those examining workforce statistics. Unfortunately, the ABP is unable to fully report on whether individuals are clinically active and report on the proportion of full-time equivalent pediatricians. Any data used for workforce estimates should attempt to control for rates of clinical inactivity and part-time employment among pediatricians.
- Address information is collected and updated at the different touchpoints as described in the ABP's *Pediatric Physicians Workforce Methodology Summary*. It is up to the diplomate to choose whether to provide a mailing address; a diplomate may live and work in different states. Thus, estimates of the number of pediatric physicians per state should be viewed as an approximation.
- The ratios of pediatricians to 100,000 children given in the map figures are segmented automatically by software. This is due to the great variability in the number of diplomates in a subspecialty and subsequently the variability in distribution across states.
- For this report, tracking data are limited to ACGME-accredited training programs and do not include data from Canadian programs accredited by the RCPSC, both in data from this year and going back to 2003. This decision was made for several reasons: 1) to decrease possibilities for data misinterpretation, as Canadian programs differ in their requirements for accreditation, and 2) to improve the accuracy of U.S. workforce projections.
- The Subspecialty Certifying Examinations are offered every other year for each subspecialty. Thus, most first-time takers completed fellowship training between a few months to 2 years prior to sitting for the examination. However, some may choose not to take the examination when first available for various reasons. For this reason, the number of certifications in a given subspecialty may not increase each year or may skip a year, as shown in Table 1.1.
- Data are only presented for the ABP subspecialties and co-sponsored subspecialties when the examinations are administered by the ABP; data on fellows in non-ABP specialties (eg, child

neurology) and multi-specialty subspecialties are not included. See Pediatric Subspecialty Types in the ABP's *Pediatric Physicians Workforce Methodology Summary* for more information.

- Because of the variability in the numbers of first-year fellows by subspecialty, scales for figures that include first-year fellows' totals may not be equivalent.
- Adolescent Medicine and Emergency Medicine tracking data are included in this section. The Adolescent Medicine tracking data primarily include diplomates from the ABP and may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine. Similarly, Emergency Medicine tracking data primarily include diplomates from the ABP and may include diplomates from the American Board of Emergency Medicine.

4.1. Adolescent Medicine

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Overall Adolescent Medicine Diplomate Information

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Table 4.1.1. All Adolescent Medicine Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=532)		Lapsed (n=200)		Revoked (n=5)		Total (n=737)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	91	17.1	2	1.0	0	0.0	93	12.6
41 to 50	0	0.0	162	30.5	7	3.5	0	0.0	169	22.9
51 to 60	0	0.0	140	26.3	34	17.0	1	20.0	175	23.7
61 to 70	0	0.0	121	22.7	85	42.5	3	60.0	209	28.4
71 to 80	0	0.0	18	3.4	65	32.5	1	20.0	84	11.4
81 to 90	0	0.0	0	0.0	6	3.0	0	0.0	6	0.8
> 90	0	0.0	0	0.0	1	0.5	0	0.0	1	0.1
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	395	74.2	109	54.5	0	0.0	504	68.4
Male	0	0.0	137	25.8	91	45.5	5	100.0	233	31.6
Medical school graduate type										
AMG	0	0.0	466	87.6	172	86.0	5	100.0	643	87.2
IMG	0	0.0	66	12.4	28	14.0	0	0.0	94	12.8

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Adolescent Medicine since certification was first awarded in 1994 (n=737).

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.1.2. All Adolescent Medicine Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=514)		Lapsed (n=128)		Revoked (n=4)		Total (n=646)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	91	17.7	2	1.6	0	0.0	93	14.4
41 to 50	0	0.0	162	31.5	7	5.5	0	0.0	169	26.2
51 to 60	0	0.0	140	27.2	34	26.6	1	25.0	175	27.1
61 to 70	0	0.0	121	23.5	85	66.4	3	75.0	209	32.4
Gender										
Female	0	0.0	388	75.5	80	62.5	0	0.0	468	72.4
Male	0	0.0	126	24.5	48	37.5	4	100.0	178	27.6
Medical school graduate type										
AMG	0	0.0	450	87.5	110	85.9	4	100.0	564	87.3
IMG	0	0.0	64	12.5	18	14.1	0	0.0	82	12.7

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Adolescent Medicine since certification was first awarded in 1994 (n=646).

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.1.3. US-Based Adolescent Medicine Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	6	182,574.7	0.5
Alaska	184,928	0	-	-
Arizona	1,633,486	7	233,355.1	0.4
Arkansas	705,540	2	352,770.0	0.3
California	9,059,950	60	150,999.2	0.7
Colorado	1,261,831	15	84,122.1	1.2
Connecticut	743,826	6	123,971.0	0.8
Delaware	204,484	5	40,896.8	2.4
District of Columbia	124,492	7	17,784.6	5.6
Florida	4,201,974	23	182,694.5	0.5
Georgia	2,514,381	10	251,438.1	0.4
Hawaii	305,744	2	152,872.0	0.7
Idaho	443,792	1	443,792.0	0.2
Illinois	2,897,059	19	152,476.8	0.7
Indiana	1,573,409	6	262,234.8	0.4
Iowa	731,947	1	731,947.0	0.1
Kansas	712,538	3	237,512.7	0.4
Kentucky	1,010,537	2	505,268.5	0.2
Louisiana	1,108,402	3	369,467.3	0.3
Maine	252,634	4	63,158.5	1.6
Maryland	1,347,506	31	43,467.9	2.3
Massachusetts	1,369,953	45	30,443.4	3.3
Michigan	2,176,649	14	155,474.9	0.6
Minnesota	1,298,657	12	108,221.4	0.9
Mississippi	713,563	3	237,854.3	0.4
Missouri	1,382,874	7	197,553.4	0.5
Montana	228,889	1	228,889.0	0.4
Nebraska	475,733	0	-	-
Nevada	685,463	2	342,731.5	0.3
New Hampshire	258,773	2	129,386.5	0.8
New Jersey	1,978,999	24	82,458.3	1.2
New Mexico	488,090	2	244,045.0	0.4
New York	4,154,497	95	43,731.5	2.3
North Carolina	2,302,313	10	230,231.3	0.4
North Dakota	175,771	0	-	-
Ohio	2,605,235	35	74,435.3	1.3
Oklahoma	959,226	4	239,806.5	0.4
Oregon	873,619	9	97,068.8	1.0
Pennsylvania	2,664,515	38	70,118.8	1.4
Rhode Island	207,332	7	29,618.9	3.4
South Carolina	1,104,265	4	276,066.3	0.4
South Dakota	214,856	1	214,856.0	0.5
Tennessee	1,507,500	10	150,750.0	0.7
Texas	7,365,951	38	193,840.8	0.5
Utah	926,699	1	926,699.0	0.1
Vermont	116,825	2	58,412.5	1.7
Virginia	1,869,162	11	169,923.8	0.6
Washington	1,645,811	23	71,557.0	1.4
West Virginia	369,718	2	184,859.0	0.5
Wisconsin	1,282,642	8	160,330.3	0.6
Wyoming	136,483	0	-	-
Total	73,653,971	623	118,224.7	0.8

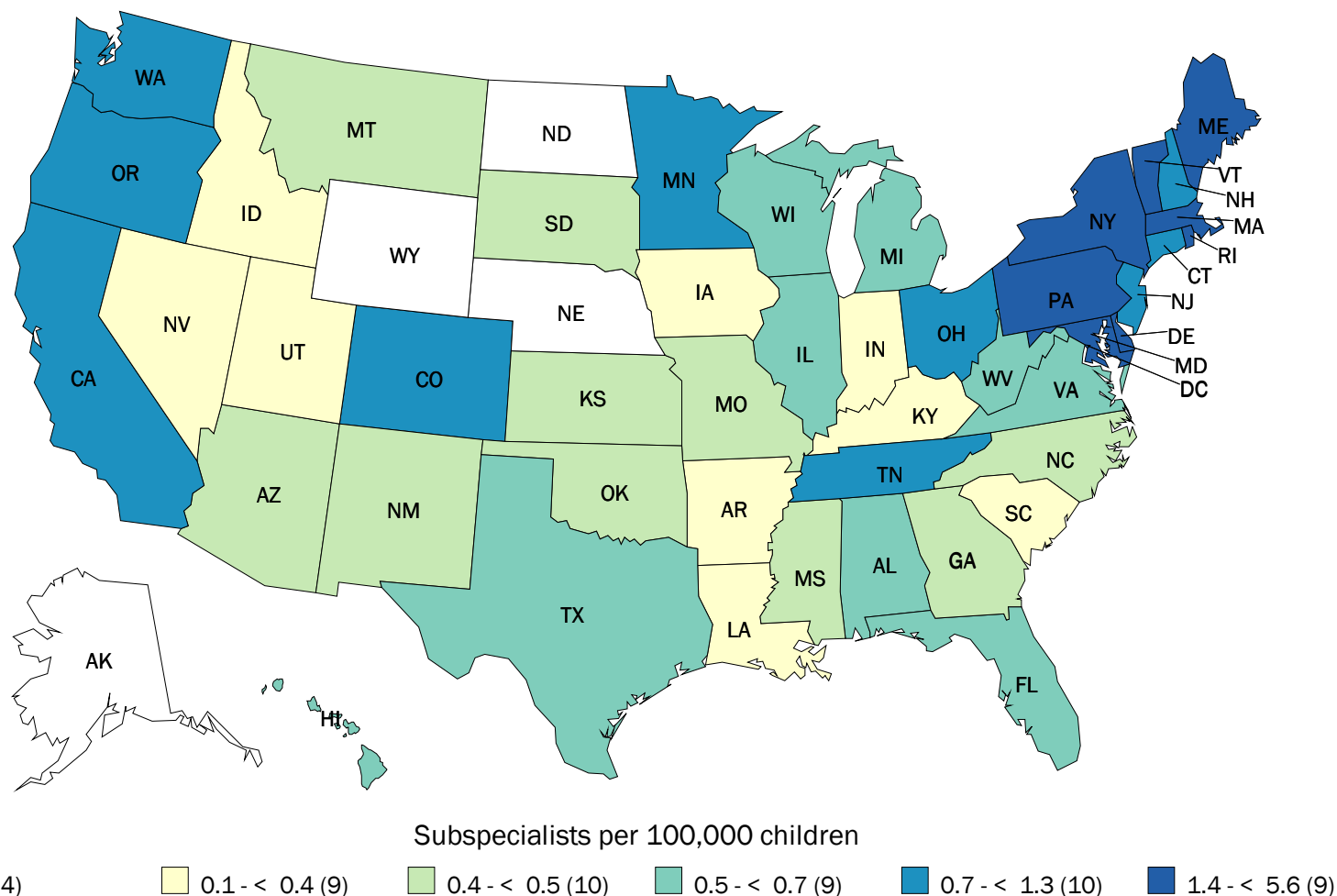
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Adolescent Medicine diplomates ever certified, age 70 and under (n=623), among all diplomates ever certified in Adolescent Medicine (n=737). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Adolescent Medicine subspecialist diplomates ever certified, 114 (15.5%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (91, 12.3%), diplomates whose address data are unavailable (10, 1.4%) and diplomates with an address outside of the 50 US states (13, 1.8%). While included in this table, approximately 19.8% of US-based Adolescent Medicine diplomates age 70 and under have lapsed certificates, and 0.6% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.1.1. Distribution of US-Based Adolescent Medicine Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Adolescent Medicine diplomates ever certified, age 70 and under (n=623), among all diplomates ever certified in Adolescent Medicine (n=737). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Adolescent Medicine subspecialist diplomates ever certified, 114 (15.5%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (91, 12.3%), diplomates whose address data are unavailable (10, 1.4%) and diplomates with an address outside of the 50 US states (13, 1.8%). While included in this map, approximately 19.8% of US-based Adolescent Medicine diplomates age 70 and under have lapsed certificates, and 0.6% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.1.4 Yearly Count of Adolescent Medicine Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	22	84.6	4	15.4	24	92.3	2	7.7	20	76.9	4	15.4	2	7.7	0	0.0	26
	Level 2	17	77.3	5	22.7	21	95.5	1	4.5	16	72.7	5	22.7	1	4.5	0	0.0	22
	Level 3	18	81.8	4	18.2	17	77.3	5	22.7	14	63.6	3	13.6	4	18.2	1	4.5	22
	Subtotal	57	81.4	13	18.6	62	88.6	8	11.4	50	71.4	12	17.1	7	10.0	1	1.4	70
2004	Level 1	18	75.0	6	25.0	22	91.7	2	8.3	16	66.7	6	25.0	2	8.3	0	0.0	24
	Level 2	24	85.7	4	14.3	25	89.3	3	10.7	21	75.0	4	14.3	3	10.7	0	0.0	28
	Level 3	17	77.3	5	22.7	21	95.5	1	4.5	16	72.7	5	22.7	1	4.5	0	0.0	22
	Subtotal	59	79.7	15	20.3	68	91.9	6	8.1	53	71.6	15	20.3	6	8.1	0	0.0	74
2005	Level 1	18	94.7	1	5.3	15	78.9	4	21.1	14	73.7	1	5.3	4	21.1	0	0.0	19
	Level 2	18	75.0	6	25.0	21	87.5	3	12.5	15	62.5	6	25.0	3	12.5	0	0.0	24
	Level 3	19	82.6	4	17.4	22	95.7	1	4.3	18	78.3	4	17.4	1	4.3	0	0.0	23
	Subtotal	55	83.3	11	16.7	58	87.9	8	12.1	47	71.2	11	16.7	8	12.1	0	0.0	66
2006	Level 1	19	90.5	2	9.5	20	95.2	1	4.8	19	90.5	1	4.8	0	0.0	1	4.8	21
	Level 2	19	90.5	2	9.5	16	76.2	5	23.8	14	66.7	2	9.5	5	23.8	0	0.0	21
	Level 3	18	78.3	5	21.7	22	95.7	1	4.3	17	73.9	5	21.7	1	4.3	0	0.0	23
	Subtotal	56	86.2	9	13.8	58	89.2	7	10.8	50	76.9	8	12.3	6	9.2	1	1.5	65
2007	Level 1	19	79.2	5	20.8	19	79.2	5	20.8	14	58.3	5	20.8	5	20.8	0	0.0	24
	Level 2	17	89.5	2	10.5	18	94.7	1	5.3	17	89.5	1	5.3	0	0.0	1	5.3	19
	Level 3	15	88.2	2	11.8	15	88.2	2	11.8	13	76.5	2	11.8	2	11.8	0	0.0	17
	Subtotal	51	85.0	9	15.0	52	86.7	8	13.3	44	73.3	8	13.3	7	11.7	1	1.7	60
2008	Level 1	26	92.9	2	7.1	19	67.9	9	32.1	17	60.7	2	7.1	9	32.1	0	0.0	28
	Level 2	16	76.2	5	23.8	17	81.0	4	19.0	12	57.1	5	23.8	4	19.0	0	0.0	21
	Level 3	17	85.0	3	15.0	19	95.0	1	5.0	17	85.0	2	10.0	0	0.0	1	5.0	20
	Subtotal	59	85.5	10	14.5	55	79.7	14	20.3	46	66.7	9	13.0	13	18.8	1	1.4	69
2009	Level 1	16	69.6	7	30.4	20	87.0	3	13.0	14	60.9	6	26.1	2	8.7	1	4.3	23
	Level 2	25	92.6	2	7.4	20	74.1	7	25.9	18	66.7	2	7.4	7	25.9	0	0.0	27
	Level 3	14	82.4	3	17.6	13	76.5	4	23.5	10	58.8	3	17.6	4	23.5	0	0.0	17
	Subtotal	55	82.1	12	17.9	53	79.1	14	20.9	42	62.7	11	16.4	13	19.4	1	1.5	67
2010	Level 1	26	92.9	2	7.1	23	82.1	5	17.9	21	75.0	2	7.1	5	17.9	0	0.0	28
	Level 2	14	66.7	7	33.3	18	85.7	3	14.3	12	57.1	6	28.6	2	9.5	1	4.8	21
	Level 3	26	92.9	2	7.1	20	71.4	8	28.6	18	64.3	2	7.1	8	28.6	0	0.0	28
	Subtotal	66	85.7	11	14.3	61	79.2	16	20.8	51	66.2	10	13.0	15	19.5	1	1.3	77
2011	Level 1	22	95.7	1	4.3	16	69.6	7	30.4	15	65.2	1	4.3	7	30.4	0	0.0	23
	Level 2	26	92.9	2	7.1	23	82.1	5	17.9	21	75.0	2	7.1	5	17.9	0	0.0	28
	Level 3	12	66.7	6	33.3	15	83.3	3	16.7	10	55.6	5	27.8	2	11.1	1	5.6	18
	Subtotal	60	87.0	9	13.0	54	78.3	15	21.7	46	66.7	8	11.6	14	20.3	1	1.4	69
2012	Level 1	30	85.7	5	14.3	33	94.3	2	5.7	28	80.0	5	14.3	2	5.7	0	0.0	35
	Level 2	19	95.0	1	5.0	14	70.0	6	30.0	13	65.0	1	5.0	6	30.0	0	0.0	20
	Level 3	22	91.7	2	8.3	20	83.3	4	16.7	18	75.0	2	8.3	4	16.7	0	0.0	24
	Subtotal	71	89.9	8	10.1	67	84.8	12	15.2	59	74.7	8	10.1	12	15.2	0	0.0	79
2013	Level 1	19	82.6	4	17.4	18	78.3	5	21.7	14	60.9	4	17.4	5	21.7	0	0.0	23
	Level 2	28	84.8	5	15.2	30	90.9	3	9.1	25	75.8	5	15.2	3	9.1	0	0.0	33
	Level 3	18	94.7	1	5.3	14	73.7	5	26.3	13	68.4	1	5.3	5	26.3	0	0.0	19
	Subtotal	65	86.7	10	13.3	62	82.7	13	17.3	52	69.3	10	13.3	13	17.3	0	0.0	75
2014	Level 1	23	82.1	5	17.9	25	89.3	3	10.7	20	71.4	5	17.9	3	10.7	0	0.0	28
	Level 2	18	81.8	4	18.2	18	81.8	4	18.2	14	63.6	4	18.2	4	18.2	0	0.0	22
	Level 3	27	90.0	3	10.0	27	90.0	3	10.0	24	80.0	3	10.0	3	10.0	0	0.0	30
	Subtotal	68	85.0	12	15.0	70	87.5	10	12.5	58	72.5	12	15.0	10	12.5	0	0.0	80
2015	Level 1	28	80.0	7	20.0	30	85.7	5	14.3	23	65.7	7	20.0	5	14.3	0	0.0	35
	Level 2	23	82.1	5	17.9	25	89.3	3	10.7	20	71.4	5	17.9	3	10.7	0	0.0	28
	Level 3	17	85.0	3	15.0	16	80.0	4	20.0	13	65.0	3	15.0	4	20.0	0	0.0	20
	Subtotal	68	81.9	15	18.1	71	85.5	12	14.5	56	67.5	15	18.1	12	14.5	0	0.0	83
2016	Level 1	29	85.3	5	14.7	31	91.2	3	8.8	27	79.4	4	11.8	2	5.9	1	2.9	34
	Level 2	22	75.9	7	24.1	24	82.8	5	17.2	17	58.6	7	24.1	5	17.2	0	0.0	29
	Level 3	21	80.8	5	19.2	23	88.5	3	11.5	18	69.2	5	19.2	3	11.5	0	0.0	26
	Subtotal	72	80.9	17	19.1	78	87.6	11	12.4	62	69.7	16	18.0	10	11.2	1	1.1	89
2017	Level 1	23	79.3	6	20.7	23	79.3	6	20.7	17	58.6	6	20.7	6	20.7	0	0.0	29
	Level 2	29	85.3	5	14.7	31	91.2	3	8.8	27	79.4	4	11.8	2	5.9	1	2.9	34
	Level 3	18	69.2	8	30.8	22	84.6	4	15.4	14	53.8	8	30.8	4	15.4	0	0.0	26
	Subtotal	70	78.7	19	21.3	76	85.4	13	14.6	58	65.2	18	20.2	12	13.5	1	1.1	89
2018	Level 1	25	80.6	6	19.4	29	93.5	2	6.5	23	74.2	6	19.4	2	6.5	0	0.0	31
	Level 2	22	78.6	6	21.4	22	78.6	6	21.4	16	57.1	6	21.4	6	21.4	0	0.0	28
	Level 3	25	80.6	6	19.4	29	93.5	2	6.5	24	77.4	5	16.1	1	3.2	1	3.2	31
	Subtotal	72	80.0	18	20.0	80	88.9	10	11.1	63	70.0	17	18.9	9	10.0	1	1.1	90

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Adolescent Medicine programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1. Additionally, tracking data for Adolescent Medicine primarily include diplomates from the ABP but may include diplomates from the American Board of Family Medicine and the American Board of Internal Medicine.

Figure 4.1.2 Yearly Count of First-Year (Level 1) Fellows in Adolescent Medicine Programs Since 2003 by Gender

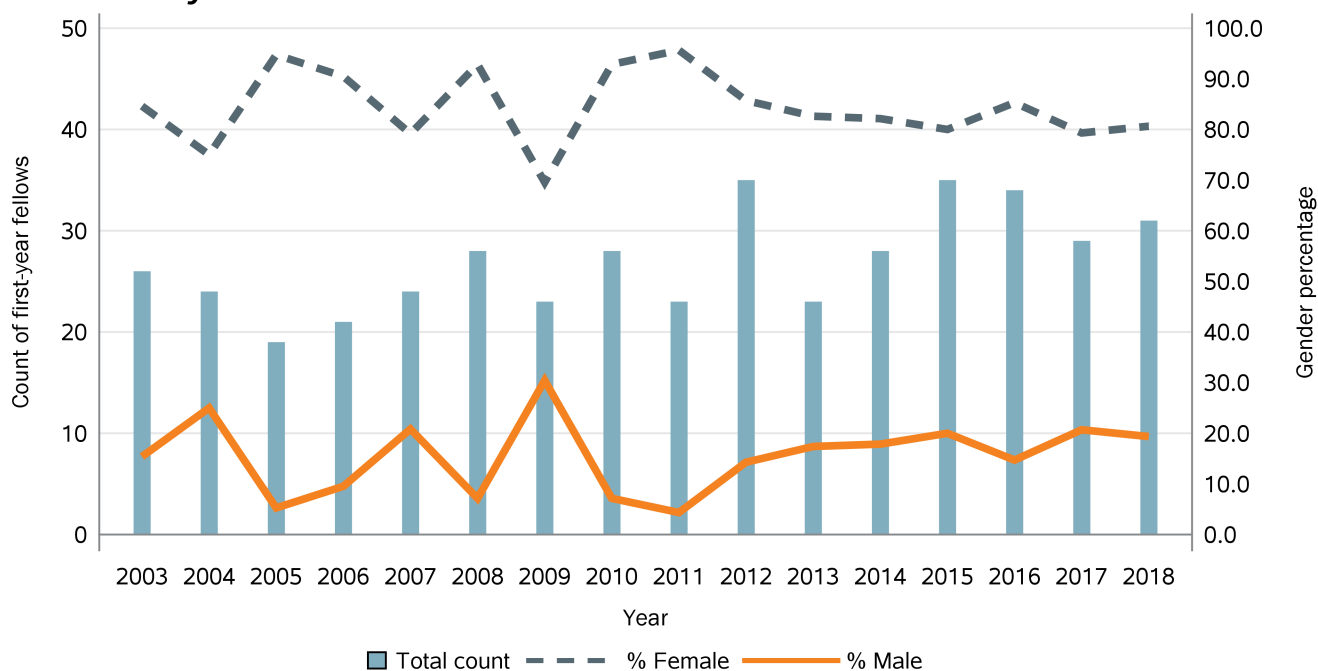
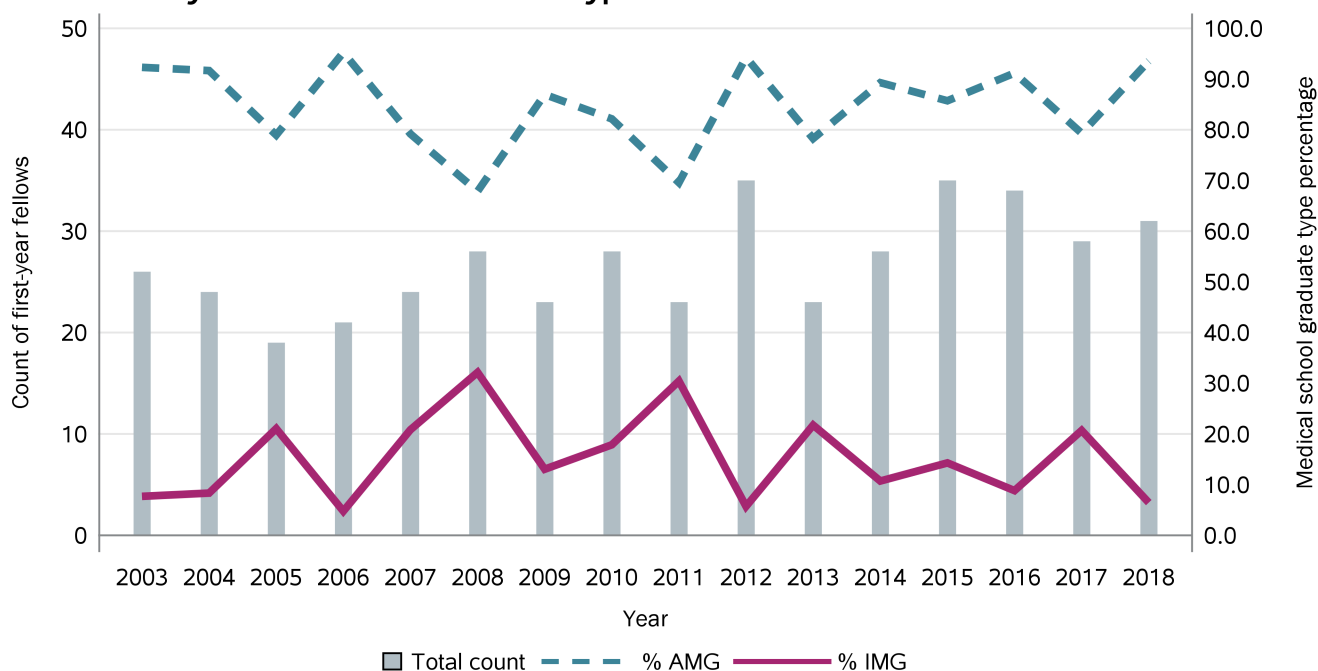


Figure 4.1.3 Yearly Count of First-Year (Level 1) Fellows in Adolescent Medicine Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.1.4.

4.2. Pediatric Cardiology

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Pediatric Cardiology Fellowship Tracking information

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Table 4.2.1. All Pediatric Cardiology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=771)		Time-limited/ no end date (n=2,517)		Lapsed (n=206)		Revoked (n=5)		Total (n=3,499)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	693	27.5	15	7.3	0	0.0	708	20.2
41 to 50	0	0.0	884	35.1	53	25.7	0	0.0	937	26.8
51 to 60	0	0.0	636	25.3	54	26.2	0	0.0	690	19.7
61 to 70	140	18.2	293	11.6	63	30.6	1	20.0	497	14.2
71 to 80	267	34.6	11	0.4	18	8.7	2	40.0	298	8.5
81 to 90	124	16.1	0	0.0	2	1.0	0	0.0	126	3.6
> 90	26	3.4	0	0.0	1	0.5	1	20.0	28	0.8
No birth year available	214	27.8	0	0.0	0	0.0	1	20.0	215	6.1
Gender										
Female	141	18.3	946	37.6	63	30.6	0	0.0	1,150	32.9
Male	630	81.7	1,571	62.4	143	69.4	5	100.0	2,349	67.1
Medical school graduate type										
AMG	549	71.2	1,919	76.2	131	63.6	3	60.0	2,602	74.4
IMG	222	28.8	598	23.8	75	36.4	2	40.0	897	25.6

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Cardiology since certification was first awarded in 1961 (n=3,499).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 6.1% of Pediatric Cardiology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.2.2. All Pediatric Cardiology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=140)		Time-limited/ no end date (n=2,506)		Lapsed (n=185)		Revoked (n=1)		Total (n=2,832)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	693	27.7	15	8.1	0	0.0	708	25.0
41 to 50	0	0.0	884	35.3	53	28.6	0	0.0	937	33.1
51 to 60	0	0.0	636	25.4	54	29.2	0	0.0	690	24.4
61 to 70	140	100.0	293	11.7	63	34.1	1	100.0	497	17.5
Gender										
Female	28	20.0	944	37.7	62	33.5	0	0.0	1,034	36.5
Male	112	80.0	1,562	62.3	123	66.5	1	100.0	1,798	63.5
Medical school graduate type										
AMG	128	91.4	1,910	76.2	119	64.3	0	0.0	2,157	76.2
IMG	12	8.6	596	23.8	66	35.7	1	100.0	675	23.8

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Cardiology since certification was first awarded in 1961 (n=2,832).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 6.1% of Pediatric Cardiology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.2.3. US-Based Pediatric Cardiology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	19	57,655.2	1.7
Alaska	184,928	3	61,642.7	1.6
Arizona	1,633,486	43	37,988.0	2.6
Arkansas	705,540	21	33,597.1	3.0
California	9,059,950	302	29,999.8	3.3
Colorado	1,261,831	53	23,808.1	4.2
Connecticut	743,826	27	27,549.1	3.6
Delaware	204,484	10	20,448.4	4.9
District of Columbia	124,492	21	5,928.2	16.9
Florida	4,201,974	163	25,779.0	3.9
Georgia	2,514,381	72	34,922.0	2.9
Hawaii	305,744	9	33,971.6	2.9
Idaho	443,792	5	88,758.4	1.1
Illinois	2,897,059	110	26,336.9	3.8
Indiana	1,573,409	30	52,447.0	1.9
Iowa	731,947	20	36,597.4	2.7
Kansas	712,538	29	24,570.3	4.1
Kentucky	1,010,537	32	31,579.3	3.2
Louisiana	1,108,402	34	32,600.1	3.1
Maine	252,634	10	25,263.4	4.0
Maryland	1,347,506	70	19,250.1	5.2
Massachusetts	1,369,953	105	13,047.2	7.7
Michigan	2,176,649	87	25,019.0	4.0
Minnesota	1,298,657	48	27,055.4	3.7
Mississippi	713,563	15	47,570.9	2.1
Missouri	1,382,874	55	25,143.2	4.0
Montana	228,889	6	38,148.2	2.6
Nebraska	475,733	15	31,715.5	3.2
Nevada	685,463	14	48,961.6	2.0
New Hampshire	258,773	8	32,346.6	3.1
New Jersey	1,978,999	74	26,743.2	3.7
New Mexico	488,090	7	69,727.1	1.4
New York	4,154,497	181	22,953.0	4.4
North Carolina	2,302,313	74	31,112.3	3.2
North Dakota	175,771	2	87,885.5	1.1
Ohio	2,605,235	139	18,742.7	5.3
Oklahoma	959,226	16	59,951.6	1.7
Oregon	873,619	25	34,944.8	2.9
Pennsylvania	2,664,515	141	18,897.3	5.3
Rhode Island	207,332	7	29,618.9	3.4
South Carolina	1,104,265	35	31,550.4	3.2
South Dakota	214,856	5	42,971.2	2.3
Tennessee	1,507,500	69	21,847.8	4.6
Texas	7,365,951	223	33,031.2	3.0
Utah	926,699	36	25,741.6	3.9
Vermont	116,825	4	29,206.3	3.4
Virginia	1,869,162	68	27,487.7	3.6
Washington	1,645,811	62	26,545.3	3.8
West Virginia	369,718	8	46,214.8	2.2
Wisconsin	1,282,642	52	24,666.2	4.1
Wyoming	136,483	0	-	-
Total	73,653,971	2,664	27,647.9	3.6

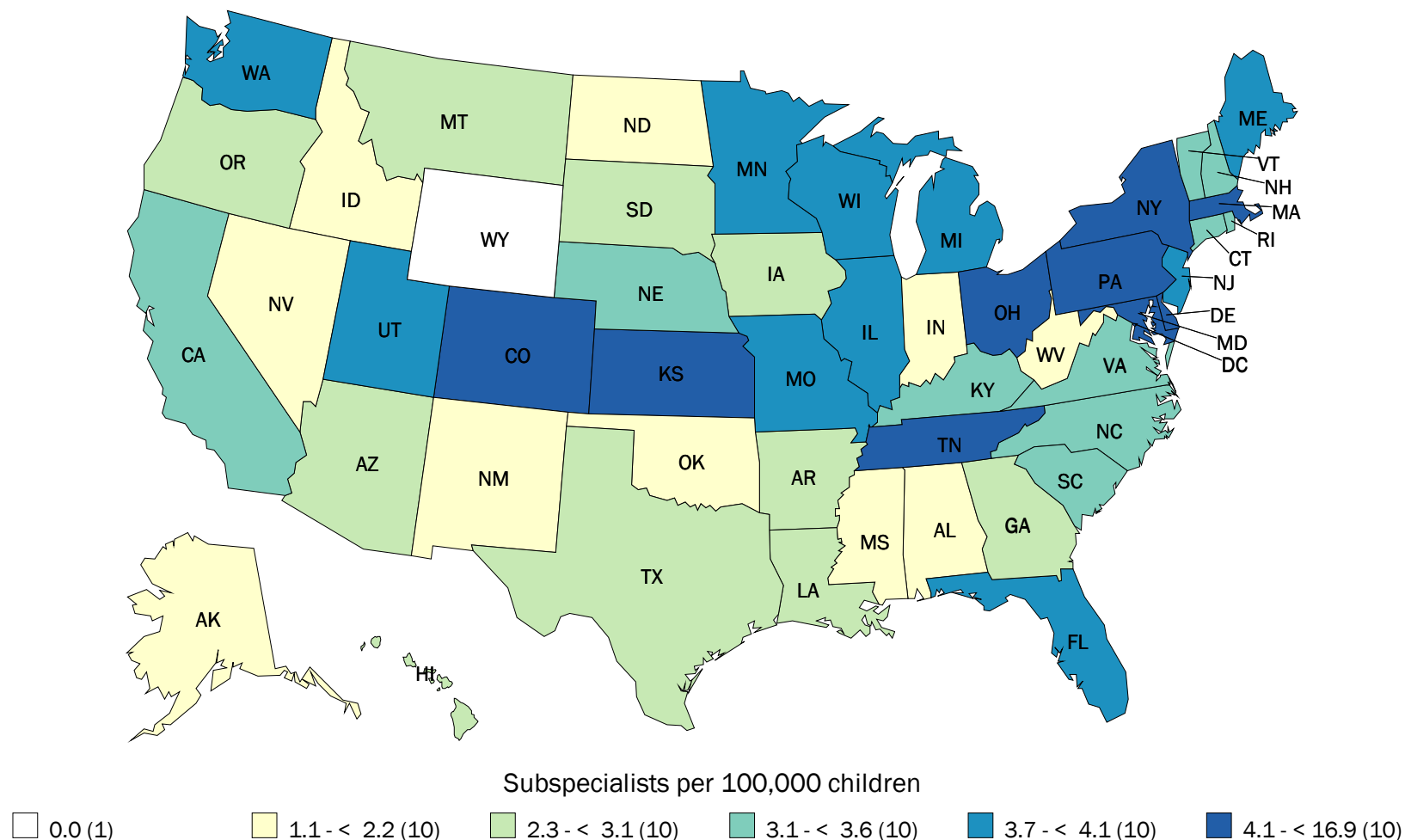
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Cardiology diplomates ever certified, age 70 and under (n=2,664), among all diplomates ever certified in Pediatric Cardiology (n=3,499). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Cardiology subspecialist diplomates ever certified, 835 (23.9%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (452, 12.9%), diplomates for whom birth year data is unavailable (215, 6.1%), diplomates whose address data are unavailable (80, 2.3%) and diplomates with an address outside of the 50 US states (88, 2.5%). While included in this table, approximately 6.5% of US-based Pediatric Cardiology diplomates age 70 and under have lapsed certificates. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.2.1. Distribution of US-Based Pediatric Cardiology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Cardiology diplomates ever certified, age 70 and under (n=2,664), among all diplomates ever certified in Pediatric Cardiology (n=3,498). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Cardiology subspecialist diplomates ever certified, 834 (23.8%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (452, 12.9%), diplomates for whom birth year data is unavailable (215, 6.1%), diplomates whose address data are unavailable (80, 2.3%) and diplomates with an address outside of the 50 US states (87, 2.5%). While included in this map, approximately 6.6% of US-based Pediatric Cardiology diplomates age 70 and under have lapsed certificates. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.2.4 Yearly Count of Pediatric Cardiology Fellows by Training Levels 1-3 Since 2003 by Demographics

Table 4.2.4 Yearly Count of Pediatric Cardiology Fellows by Training Levels 1-3 Since 2003 by Demographics																		
Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	35	33.7	69	66.3	79	76.0	25	24.0	28	26.9	51	49.0	7	6.7	18	17.3	104
	Level 2	29	33.0	59	67.0	65	73.9	23	26.1	21	23.9	44	50.0	8	9.1	15	17.0	88
	Level 3	22	33.8	43	66.2	47	72.3	18	27.7	17	26.2	30	46.2	5	7.7	13	20.0	65
	Subtotal	86	33.5	171	66.5	191	74.3	66	25.7	66	25.7	125	48.6	20	7.8	46	17.9	257
2004	Level 1	50	45.0	61	55.0	83	74.8	28	25.2	37	33.3	46	41.4	13	11.7	15	13.5	111
	Level 2	25	29.8	59	70.2	67	79.8	17	20.2	20	23.8	47	56.0	5	6.0	12	14.3	84
	Level 3	25	32.1	53	67.9	58	74.4	20	25.6	18	23.1	40	51.3	7	9.0	13	16.7	78
	Subtotal	100	36.6	173	63.4	208	76.2	65	23.8	75	27.5	133	48.7	25	9.2	40	14.7	273
2005	Level 1	40	40.0	60	60.0	71	71.0	29	29.0	28	28.0	43	43.0	12	12.0	17	17.0	100
	Level 2	47	45.2	57	54.8	79	76.0	25	24.0	35	33.7	44	42.3	12	11.5	13	12.5	104
	Level 3	24	29.3	58	70.7	65	79.3	17	20.7	19	23.2	46	56.1	5	6.1	12	14.6	82
	Subtotal	111	38.8	175	61.2	215	75.2	71	24.8	82	28.7	133	46.5	29	10.1	42	14.7	286
2006	Level 1	49	42.6	66	57.4	86	74.8	29	25.2	36	31.3	50	43.5	13	11.3	16	13.9	115
	Level 2	36	38.3	58	61.7	66	70.2	28	29.8	26	27.7	40	42.6	10	10.6	18	19.1	94
	Level 3	45	45.5	54	54.5	78	78.8	21	21.2	34	34.3	44	44.4	11	11.1	10	10.1	99
	Subtotal	130	42.2	178	57.8	230	74.7	78	25.3	96	31.2	134	43.5	34	11.0	44	14.3	308
2007	Level 1	49	44.5	61	55.5	77	70.0	33	30.0	33	30.0	44	40.0	16	14.5	17	15.5	110
	Level 2	41	40.6	60	59.4	76	75.2	25	24.8	29	28.7	47	46.5	12	11.9	13	12.9	101
	Level 3	32	37.2	54	62.8	60	69.8	26	30.2	23	26.7	37	43.0	9	10.5	17	19.8	86
	Subtotal	122	41.1	175	58.9	213	71.7	84	28.3	85	28.6	128	43.1	37	12.5	47	15.8	297
2008	Level 1	46	36.8	79	63.2	100	80.0	25	20.0	39	31.2	61	48.8	7	5.6	18	14.4	125
	Level 2	47	43.1	62	56.9	78	71.6	31	28.4	32	29.4	46	42.2	15	13.8	16	14.7	109
	Level 3	41	41.0	59	59.0	79	79.0	21	21.0	31	31.0	48	48.0	10	10.0	11	11.0	100
	Subtotal	134	40.1	200	59.9	257	76.9	77	23.1	102	30.5	155	46.4	32	9.6	45	13.5	334
2009	Level 1	57	44.9	70	55.1	98	77.2	29	22.8	43	33.9	55	43.3	14	11.0	15	11.8	127
	Level 2	42	35.9	75	64.1	90	76.9	27	23.1	34	29.1	56	47.9	8	6.8	19	16.2	117
	Level 3	47	45.2	57	54.8	74	71.2	30	28.8	32	30.8	42	40.4	15	14.4	15	14.4	104
	Subtotal	146	42.0	202	58.0	262	75.3	86	24.7	109	31.3	153	44.0	37	10.6	49	14.1	348
2010	Level 1	58	41.1	83	58.9	107	75.9	34	24.1	47	33.3	60	42.6	11	7.8	23	16.3	141
	Level 2	55	45.1	67	54.9	95	77.9	27	22.1	42	34.4	53	43.4	13	10.7	14	11.5	122
	Level 3	43	37.1	73	62.9	92	79.3	24	20.7	36	31.0	56	48.3	7	6.0	17	14.7	116
	Subtotal	156	41.2	223	58.8	294	77.6	85	22.4	125	33.0	169	44.6	31	8.2	54	14.2	379
2011	Level 1	54	38.6	86	61.4	102	72.9	38	27.1	41	29.3	61	43.6	13	9.3	25	17.9	140
	Level 2	56	40.3	83	59.7	107	77.0	32	23.0	47	33.8	60	43.2	9	6.5	23	16.5	139
	Level 3	53	44.5	66	55.5	94	79.0	25	21.0	41	34.5	53	44.5	12	10.1	13	10.9	119
	Subtotal	163	41.0	235	59.0	303	76.1	95	23.9	129	32.4	174	43.7	34	8.5	61	15.3	398
2012	Level 1	74	53.2	65	46.8	103	74.1	36	25.9	58	41.7	45	32.4	16	11.5	20	14.4	139
	Level 2	50	37.9	82	62.1	102	77.3	30	22.7	40	30.3	62	47.0	10	7.6	20	15.2	132
	Level 3	54	40.6	79	59.4	101	75.9	32	24.1	44	33.1	57	42.9	10	7.5	22	16.5	133
	Subtotal	178	44.1	226	55.9	306	75.7	98	24.3	142	35.1	164	40.6	36	8.9	62	15.3	404
2013	Level 1	70	49.6	71	50.4	102	72.3	39	27.7	54	38.3	48	34.0	16	11.3	23	16.3	141
	Level 2	74	54.0	63	46.0	101	73.7	36	26.3	58	42.3	43	31.4	16	11.7	20	14.6	137
	Level 3	53	40.5	78	59.5	102	77.9	29	22.1	42	32.1	60	45.8	11	8.4	18	13.7	131
	Subtotal	197	48.2	212	51.8	305	74.6	104	25.4	154	37.7	151	36.9	43	10.5	61	14.9	409
2014	Level 1	70	48.3	75	51.7	112	77.2	33	22.8	55	37.9	57	39.3	15	10.3	18	12.4	145
	Level 2	70	50.4	69	49.6	102	73.4	37	26.6	54	38.8	48	34.5	16	11.5	21	15.1	139
	Level 3	70	53.4	61	46.6	97	74.0	34	26.0	55	42.0	42	32.1	15	11.5	19	14.5	131
	Subtotal	210	50.6	205	49.4	311	74.9	104	25.1	164	39.5	147	35.4	46	11.1	58	14.0	415
2015	Level 1	78	52.3	71	47.7	110	73.8	39	26.2	57	38.3	53	35.6	21	14.1	18	12.1	149
	Level 2	69	48.6	73	51.4	112	78.9	30	21.1	55	38.7	57	40.1	14	9.9	16	11.3	142
	Level 3	69	50.7	67	49.3	102	75.0	34	25.0	54	39.7	48	35.3	15	11.0	19	14.0	136
	Subtotal	216	50.6	211	49.4	324	75.9	103	24.1	166	38.9	158	37.0	50	11.7	53	12.4	427
2016	Level 1	72	47.4	80	52.6	122	80.3	30	19.7	58	38.2	64	42.1	14	9.2	16	10.5	152
	Level 2	76	51.7	71	48.3	107	72.8	40	27.2	55	37.4	52	35.4	21	14.3	19	12.9	147
	Level 3	66	47.5	73	52.5	110	79.1	29	20.9	53	38.1	57	41.0	13	9.4	16	11.5	139
	Subtotal	214	48.9	224	51.1	339	77.4	99	22.6	166	37.9	173	39.5	48	11.0	51	11.6	438
2017	Level 1	82	53.9	70	46.1	125	82.2	27	17.8	71	46.7	54	35.5	11	7.2	16	10.5	152
	Level 2	71	49.0	74	51.0	117	80.7	28	19.3	57	39.3	60	41.4	14	9.7	14	9.7	145
	Level 3	72	49.7	73	50.3	106	73.1	39	26.9	52	35.9	54	37.2	20	13.8	19	13.1	145
	Subtotal	225	50.9	217	49.1	348	78.7	94	21.3	180	40.7	168	38.0	45	10.2	49	11.1	442
2018	Level 1	77	50.0	77	50.0	118	76.6	36	23.4	61	39.6	57	37.0	16	10.4	20	13.0	154
	Level 2	78	53.1	69	46.9	122	83.0	25	17.0	68	46.3	54	36.7	10	6.8	15	10.2	147
	Level 3	71	49.3	73	50.7	117	81.3	27	18.8	57	39.6	60	41.7	14	9.7	13	9.0	144
	Subtotal	226	50.8	219	49.2	357	80.2	88	19.8	186	41.8	171	38.4	40	9.0	48	10.8	444

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Cardiology programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable, these can be viewed in Table 3.1.

Figure 4.2.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Cardiology Programs Since 2003 by Gender

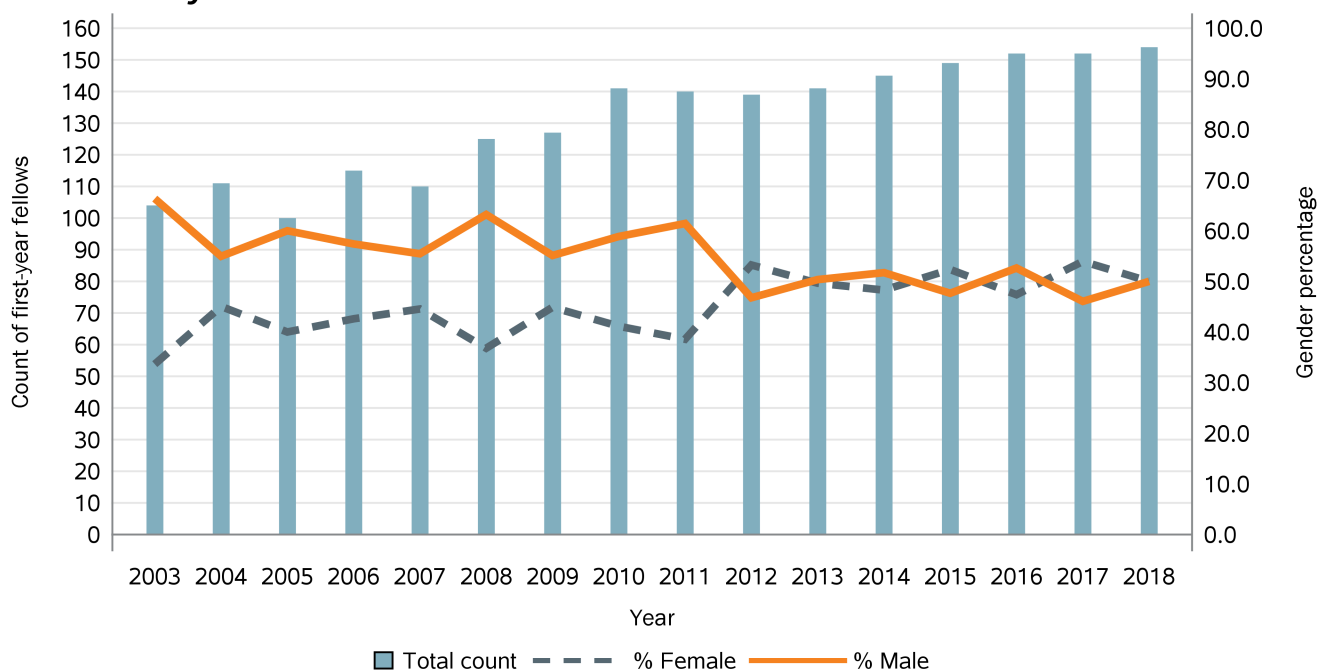
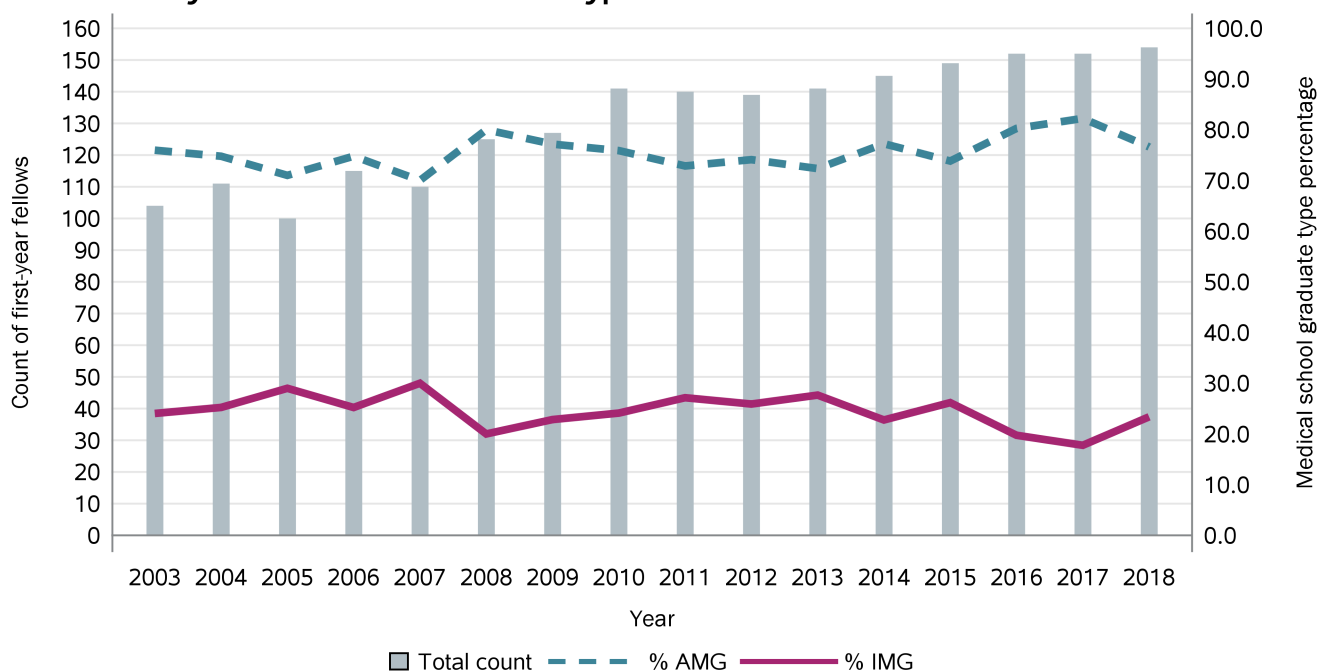


Figure 4.2.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Cardiology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.2.4.

4.3. Child Abuse Pediatrics

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Child Abuse Pediatrics Fellowship Tracking information

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Table 4.3.1. All Child Abuse Pediatrics Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=348)		Lapsed (n=27)		Revoked (n=0)		Total (n=375)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	47	13.5	1	3.7	0	0.0	48	12.8
41 to 50	0	0.0	111	31.9	2	7.4	0	0.0	113	30.1
51 to 60	0	0.0	98	28.2	0	0.0	0	0.0	98	26.1
61 to 70	0	0.0	70	20.1	17	63.0	0	0.0	87	23.2
71 to 80	0	0.0	22	6.3	7	25.9	0	0.0	29	7.7
81 to 90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
> 90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	272	78.2	14	51.9	0	0.0	286	76.3
Male	0	0.0	76	21.8	13	48.1	0	0.0	89	23.7
Medical school graduate type										
AMG	0	0.0	330	94.8	26	96.3	0	0.0	356	94.9
IMG	0	0.0	18	5.2	1	3.7	0	0.0	19	5.1

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Child Abuse Pediatrics since certification was first awarded in 2009 (n=375).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Child Abuse Pediatrics diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.3.2. All Child Abuse Pediatrics Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=326)		Lapsed (n=20)		Revoked (n=0)		Total (n=346)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	47	14.4	1	5.0	0	0.0	48	13.9
41 to 50	0	0.0	111	34.0	2	10.0	0	0.0	113	32.7
51 to 60	0	0.0	98	30.1	0	0.0	0	0.0	98	28.3
61 to 70	0	0.0	70	21.5	17	85.0	0	0.0	87	25.1
Gender										
Female	0	0.0	261	80.1	12	60.0	0	0.0	273	78.9
Male	0	0.0	65	19.9	8	40.0	0	0.0	73	21.1
Medical school graduate type										
AMG	0	0.0	308	94.5	19	95.0	0	0.0	327	94.5
IMG	0	0.0	18	5.5	1	5.0	0	0.0	19	5.5

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Child Abuse Pediatrics since certification was first awarded in 2009 (n=346).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Child Abuse Pediatrics diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.3.3. US-Based Child Abuse Pediatrics Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	4	273,862.0	0.4
Alaska	184,928	0	-	-
Arizona	1,633,486	6	272,247.7	0.4
Arkansas	705,540	2	352,770.0	0.3
California	9,059,950	37	244,863.5	0.4
Colorado	1,261,831	7	180,261.6	0.6
Connecticut	743,826	4	185,956.5	0.5
Delaware	204,484	0	-	-
District of Columbia	124,492	2	62,246.0	1.6
Florida	4,201,974	16	262,623.4	0.4
Georgia	2,514,381	5	502,876.2	0.2
Hawaii	305,744	1	305,744.0	0.3
Idaho	443,792	2	221,896.0	0.5
Illinois	2,897,059	17	170,415.2	0.6
Indiana	1,573,409	5	314,681.8	0.3
Iowa	731,947	3	243,982.3	0.4
Kansas	712,538	6	118,756.3	0.8
Kentucky	1,010,537	5	202,107.4	0.5
Louisiana	1,108,402	4	277,100.5	0.4
Maine	252,634	0	-	-
Maryland	1,347,506	10	134,750.6	0.7
Massachusetts	1,369,953	9	152,217.0	0.7
Michigan	2,176,649	11	197,877.2	0.5
Minnesota	1,298,657	6	216,442.8	0.5
Mississippi	713,563	1	713,563.0	0.1
Missouri	1,382,874	8	172,859.3	0.6
Montana	228,889	0	-	-
Nebraska	475,733	1	475,733.0	0.2
Nevada	685,463	1	685,463.0	0.1
New Hampshire	258,773	1	258,773.0	0.4
New Jersey	1,978,999	9	219,888.8	0.5
New Mexico	488,090	3	162,696.7	0.6
New York	4,154,497	24	173,104.0	0.6
North Carolina	2,302,313	16	143,894.6	0.7
North Dakota	175,771	0	-	-
Ohio	2,605,235	15	173,682.3	0.6
Oklahoma	959,226	5	191,845.2	0.5
Oregon	873,619	8	109,202.4	0.9
Pennsylvania	2,664,515	21	126,881.7	0.8
Rhode Island	207,332	2	103,666.0	1.0
South Carolina	1,104,265	9	122,696.1	0.8
South Dakota	214,856	1	214,856.0	0.5
Tennessee	1,507,500	6	251,250.0	0.4
Texas	7,365,951	22	334,816.0	0.3
Utah	926,699	6	154,449.8	0.6
Vermont	116,825	2	58,412.5	1.7
Virginia	1,869,162	2	934,581.0	0.1
Washington	1,645,811	4	411,452.8	0.2
West Virginia	369,718	2	184,859.0	0.5
Wisconsin	1,282,642	5	256,528.4	0.4
Wyoming	136,483	0	-	-
Total	73,653,971	336	219,208.2	0.5

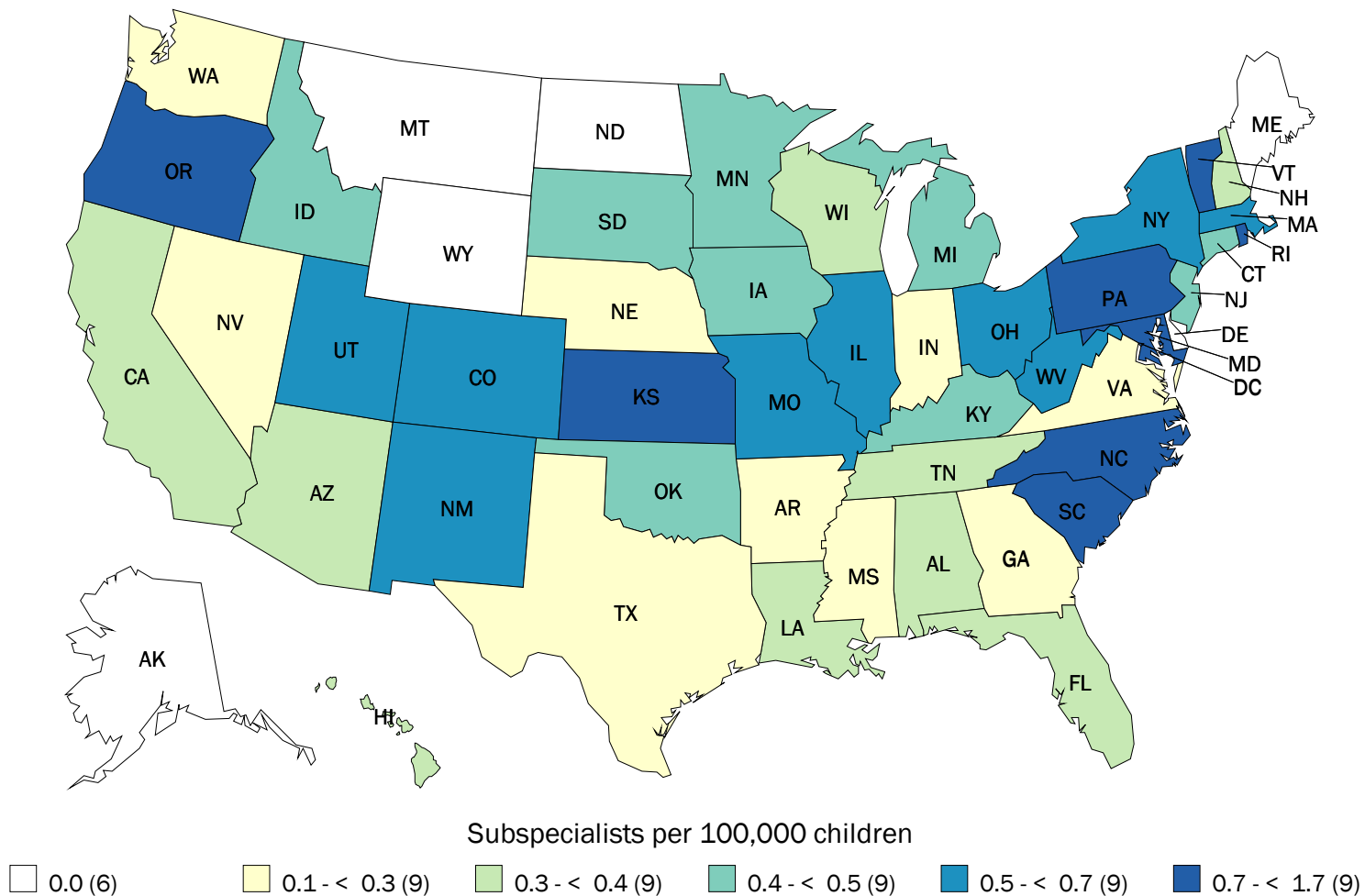
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Child Abuse Pediatrics diplomates ever certified, age 70 and under (n=336), among all diplomates ever certified in Child Abuse Pediatrics (n=375). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Child Abuse Pediatrics subspecialist diplomates ever certified, 39 (10.4%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (29, 7.7%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (2, 0.5%) and diplomates with an address outside of the 50 US states (8, 2.1%). While included in this table, approximately 5.8% of US-based Child Abuse Pediatrics diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.3.1. Distribution of US-Based Child Abuse Pediatrics Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Child Abuse Pediatrics diplomates ever certified, age 70 and under (n=336), among all diplomates ever certified in Child Abuse Pediatrics (n=375). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Child Abuse Pediatrics subspecialist diplomates ever certified, 39 (10.4%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (29, 7.7%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (2, 0.5%) and diplomates with an address outside of the 50 US states (8, 2.1%). While included in this map, approximately 5.8% of US-based Child Abuse Pediatrics diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.3.4 Yearly Count of Child Abuse Pediatrics Fellows by Training Levels 1-3 Since 2007 by Demographics

Year	Training Level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2007	Level 1	9	81.8	2	18.2	11	100.0	0	0.0	9	81.8	2	18.2	0	0.0	0	0.0	11
	Level 2	11	91.7	1	8.3	11	91.7	1	8.3	10	83.3	1	8.3	1	8.3	0	0.0	12
	Subtotal	20	87.0	3	13.0	22	95.7	1	4.3	19	82.6	3	13.0	1	4.3	0	0.0	23
2008	Level 1	10	90.9	1	9.1	10	90.9	1	9.1	9	81.8	1	9.1	1	9.1	0	0.0	11
	Level 2	5	71.4	2	28.6	7	100.0	0	0.0	5	71.4	2	28.6	0	0.0	0	0.0	7
	Level 3	3	100.0	0	0.0	3	100.0	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0	3
	Subtotal	18	85.7	3	14.3	20	95.2	1	4.8	17	81.0	3	14.3	1	4.8	0	0.0	21
2009	Level 1	9	100.0	0	0.0	8	88.9	1	11.1	8	88.9	0	0.0	1	11.1	0	0.0	9
	Level 2	8	80.0	2	20.0	9	90.0	1	10.0	7	70.0	2	20.0	1	10.0	0	0.0	10
	Level 3	3	75.0	1	25.0	4	100.0	0	0.0	3	75.0	1	25.0	0	0.0	0	0.0	4
	Subtotal	20	87.0	3	13.0	21	91.3	2	8.7	18	78.3	3	13.0	2	8.7	0	0.0	23
2010	Level 1	5	45.5	6	54.5	10	90.9	1	9.1	5	45.5	5	45.5	0	0.0	1	9.1	11
	Level 2	9	100.0	0	0.0	9	100.0	0	0.0	9	100.0	0	0.0	0	0.0	0	0.0	9
	Level 3	4	80.0	1	20.0	5	100.0	0	0.0	4	80.0	1	20.0	0	0.0	0	0.0	5
	Subtotal	18	72.0	7	28.0	24	96.0	1	4.0	18	72.0	6	24.0	0	0.0	1	4.0	25
2011	Level 1	7	87.5	1	12.5	8	100.0	0	0.0	7	87.5	1	12.5	0	0.0	0	0.0	8
	Level 2	5	45.5	6	54.5	10	90.9	1	9.1	5	45.5	5	45.5	0	0.0	1	9.1	11
	Level 3	2	100.0	0	0.0	2	100.0	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0	2
	Subtotal	14	66.7	7	33.3	20	95.2	1	4.8	14	66.7	6	28.6	0	0.0	1	4.8	21
2012	Level 1	11	100.0	0	0.0	10	90.9	1	9.1	10	90.9	0	0.0	1	9.1	0	0.0	11
	Level 2	7	87.5	1	12.5	8	100.0	0	0.0	7	87.5	1	12.5	0	0.0	0	0.0	8
	Level 3	5	45.5	6	54.5	10	90.9	1	9.1	5	45.5	5	45.5	0	0.0	1	9.1	11
	Subtotal	23	76.7	7	23.3	28	93.3	2	6.7	22	73.3	6	20.0	1	3.3	1	3.3	30
2013	Level 1	11	91.7	1	8.3	10	83.3	2	16.7	9	75.0	1	8.3	2	16.7	0	0.0	12
	Level 2	10	100.0	0	0.0	9	90.0	1	10.0	9	90.0	0	0.0	1	10.0	0	0.0	10
	Level 3	9	100.0	0	0.0	9	100.0	0	0.0	9	100.0	0	0.0	0	0.0	0	0.0	9
	Subtotal	30	96.8	1	3.2	28	90.3	3	9.7	27	87.1	1	3.2	3	9.7	0	0.0	31
2014	Level 1	11	84.6	2	15.4	12	92.3	1	7.7	10	76.9	2	15.4	1	7.7	0	0.0	13
	Level 2	10	90.9	1	9.1	10	90.9	1	9.1	9	81.8	1	9.1	1	9.1	0	0.0	11
	Level 3	10	100.0	0	0.0	9	90.0	1	10.0	9	90.0	0	0.0	1	10.0	0	0.0	10
	Subtotal	31	91.2	3	8.8	31	91.2	3	8.8	28	82.4	3	8.8	3	8.8	0	0.0	34
2015	Level 1	15	93.8	1	6.3	12	75.0	4	25.0	12	75.0	0	0.0	3	18.8	1	6.3	16
	Level 2	11	84.6	2	15.4	12	92.3	1	7.7	10	76.9	2	15.4	1	7.7	0	0.0	13
	Level 3	8	88.9	1	11.1	8	88.9	1	11.1	7	77.8	1	11.1	1	11.1	0	0.0	9
	Subtotal	34	89.5	4	10.5	32	84.2	6	15.8	29	76.3	3	7.9	5	13.2	1	2.6	38
2016	Level 1	7	100.0	0	0.0	7	100.0	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0	7
	Level 2	14	87.5	2	12.5	13	81.3	3	18.8	12	75.0	1	6.3	2	12.5	1	6.3	16
	Level 3	13	92.9	1	7.1	13	92.9	1	7.1	12	85.7	1	7.1	1	7.1	0	0.0	14
	Subtotal	34	91.9	3	8.1	33	89.2	4	10.8	31	83.8	2	5.4	3	8.1	1	2.7	37
2017	Level 1	12	85.7	2	14.3	13	92.9	1	7.1	11	78.6	2	14.3	1	7.1	0	0.0	14
	Level 2	7	100.0	0	0.0	7	100.0	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0	7
	Level 3	14	93.3	1	6.7	12	80.0	3	20.0	12	80.0	0	0.0	2	13.3	1	6.7	15
	Subtotal	33	91.7	3	8.3	32	88.9	4	11.1	30	83.3	2	5.6	3	8.3	1	2.8	36
2018	Level 1	16	88.9	2	11.1	15	83.3	3	16.7	13	72.2	2	11.1	3	16.7	0	0.0	18
	Level 2	10	83.3	2	16.7	11	91.7	1	8.3	9	75.0	2	16.7	1	8.3	0	0.0	12
	Level 3	6	100.0	0	0.0	6	100.0	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0	6
	Subtotal	32	88.9	4	11.1	32	88.9	4	11.1	28	77.8	4	11.1	4	11.1	0	0.0	36

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Child Abuse Pediatrics programs in the US and Puerto Rico since 2007.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable, these can be viewed in Table 3.1.

Figure 4.3.2 Yearly Count of First-Year (Level 1) Fellows in Child Abuse Pediatrics Programs Since 2003 by Gender

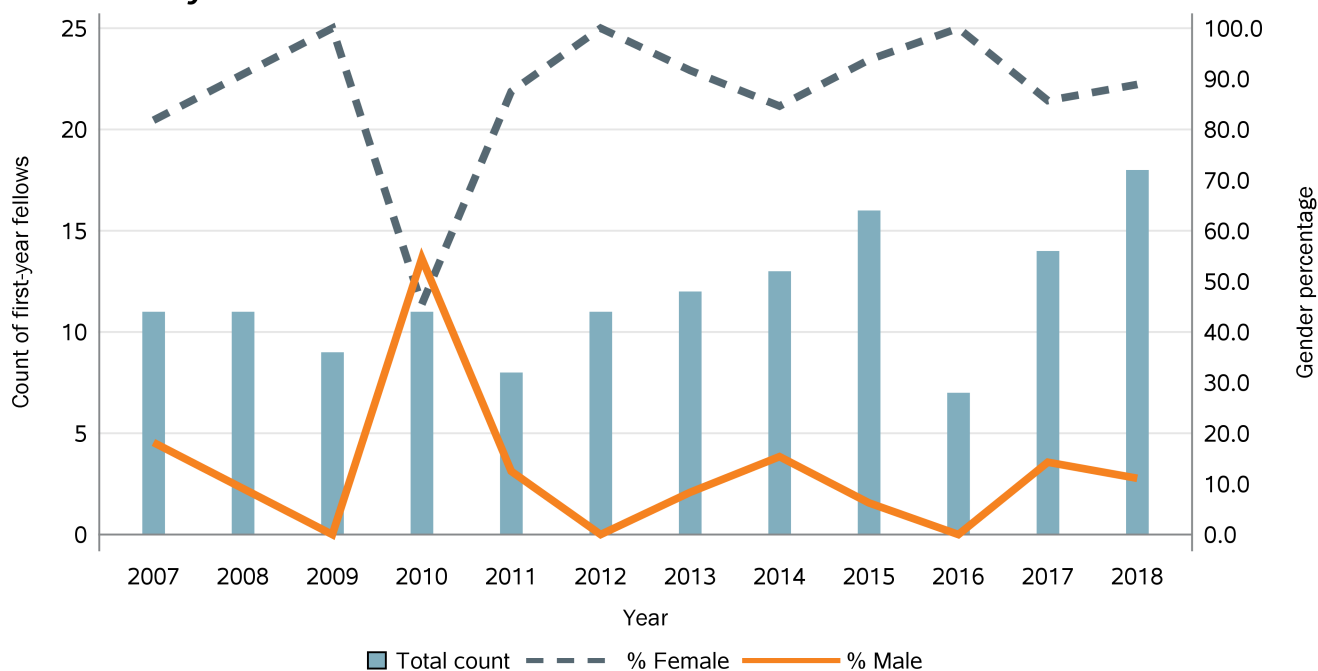
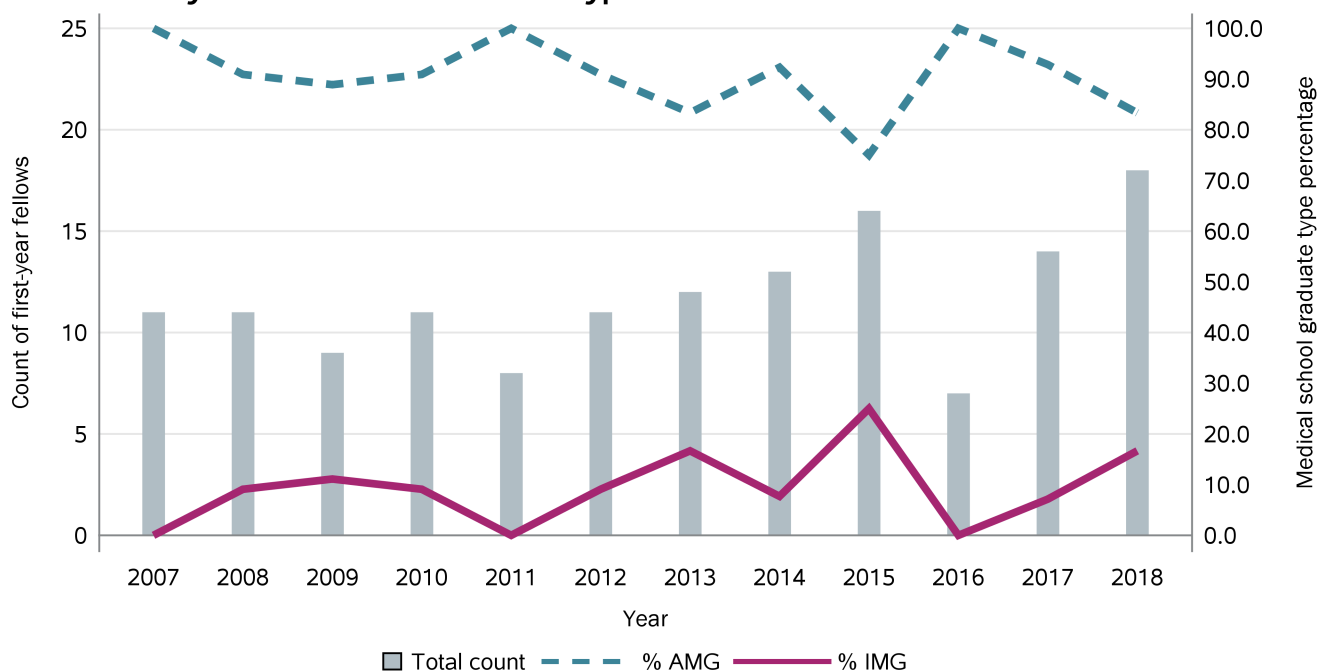


Figure 4.3.3 Yearly Count of First-Year (Level 1) Fellows in Child Abuse Pediatrics Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.3.4.

4.4. Pediatric Critical Care Medicine

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Pediatric Critical Care Medicine Fellowship Tracking information

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Table 4.4.1. All Pediatric Critical Care Medicine Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=2,540)		Lapsed (n=433)		Revoked (n=2)		Total (n=2,975)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	707	27.8	7	1.6	0	0.0	714	24.0
41 to 50	0	0.0	917	36.1	31	7.2	0	0.0	948	31.9
51 to 60	0	0.0	592	23.3	86	19.9	1	50.0	679	22.8
61 to 70	0	0.0	302	11.9	224	51.7	1	50.0	527	17.7
71 to 80	0	0.0	22	0.9	77	17.8	0	0.0	99	3.3
81 to 90	0	0.0	0	0.0	7	1.6	0	0.0	7	0.2
> 90	0	0.0	0	0.0	1	0.2	0	0.0	1	0.0
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	1,118	44.0	109	25.2	1	50.0	1,228	41.3
Male	0	0.0	1,422	56.0	324	74.8	1	50.0	1,747	58.7
Medical school graduate type										
AMG	0	0.0	1,893	74.5	356	82.2	2	100.0	2,251	75.7
IMG	0	0.0	647	25.5	77	17.8	0	0.0	724	24.3

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Critical Care Medicine since certification was first awarded in 1987 (n=2,975).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Critical Care Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.4.2. All Pediatric Critical Care Medicine Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=2,518)		Lapsed (n=348)		Revoked (n=2)		Total (n=2,868)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	707	28.1	7	2.0	0	0.0	714	24.9
41 to 50	0	0.0	917	36.4	31	8.9	0	0.0	948	33.1
51 to 60	0	0.0	592	23.5	86	24.7	1	50.0	679	23.7
61 to 70	0	0.0	302	12.0	224	64.4	1	50.0	527	18.4
Gender										
Female	0	0.0	1,116	44.3	103	29.6	1	50.0	1,220	42.5
Male	0	0.0	1,402	55.7	245	70.4	1	50.0	1,648	57.5
Medical school graduate type										
AMG	0	0.0	1,876	74.5	290	83.3	2	100.0	2,168	75.6
IMG	0	0.0	642	25.5	58	16.7	0	0.0	700	24.4

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Critical Care Medicine since certification was first awarded in 1987 (n=2,868).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Critical Care Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.4.3. US-Based Pediatric Critical Care Medicine Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	28	39,123.1	2.6
Alaska	184,928	3	61,642.7	1.6
Arizona	1,633,486	61	26,778.5	3.7
Arkansas	705,540	21	33,597.1	3.0
California	9,059,950	318	28,490.4	3.5
Colorado	1,261,831	64	19,716.1	5.1
Connecticut	743,826	28	26,565.2	3.8
Delaware	204,484	7	29,212.0	3.4
District of Columbia	124,492	16	7,780.8	12.9
Florida	4,201,974	172	24,430.1	4.1
Georgia	2,514,381	55	45,716.0	2.2
Hawaii	305,744	12	25,478.7	3.9
Idaho	443,792	7	63,398.9	1.6
Illinois	2,897,059	117	24,761.2	4.0
Indiana	1,573,409	43	36,590.9	2.7
Iowa	731,947	19	38,523.5	2.6
Kansas	712,538	27	26,390.3	3.8
Kentucky	1,010,537	24	42,105.7	2.4
Louisiana	1,108,402	28	39,585.8	2.5
Maine	252,634	8	31,579.3	3.2
Maryland	1,347,506	76	17,730.3	5.6
Massachusetts	1,369,953	78	17,563.5	5.7
Michigan	2,176,649	79	27,552.5	3.6
Minnesota	1,298,657	60	21,644.3	4.6
Mississippi	713,563	12	59,463.6	1.7
Missouri	1,382,874	68	20,336.4	4.9
Montana	228,889	2	114,444.5	0.9
Nebraska	475,733	15	31,715.5	3.2
Nevada	685,463	20	34,273.2	2.9
New Hampshire	258,773	10	25,877.3	3.9
New Jersey	1,978,999	78	25,371.8	3.9
New Mexico	488,090	13	37,545.4	2.7
New York	4,154,497	180	23,080.5	4.3
North Carolina	2,302,313	89	25,868.7	3.9
North Dakota	175,771	4	43,942.8	2.3
Ohio	2,605,235	111	23,470.6	4.3
Oklahoma	959,226	20	47,961.3	2.1
Oregon	873,619	26	33,600.7	3.0
Pennsylvania	2,664,515	128	20,816.5	4.8
Rhode Island	207,332	8	25,916.5	3.9
South Carolina	1,104,265	32	34,508.3	2.9
South Dakota	214,856	9	23,872.9	4.2
Tennessee	1,507,500	62	24,314.5	4.1
Texas	7,365,951	242	30,437.8	3.3
Utah	926,699	29	31,955.1	3.1
Vermont	116,825	8	14,603.1	6.8
Virginia	1,869,162	64	29,205.7	3.4
Washington	1,645,811	68	24,203.1	4.1
West Virginia	369,718	12	30,809.8	3.2
Wisconsin	1,282,642	55	23,320.8	4.3
Wyoming	136,483	0	-	-
Total	73,653,971	2,716	27,118.5	3.7

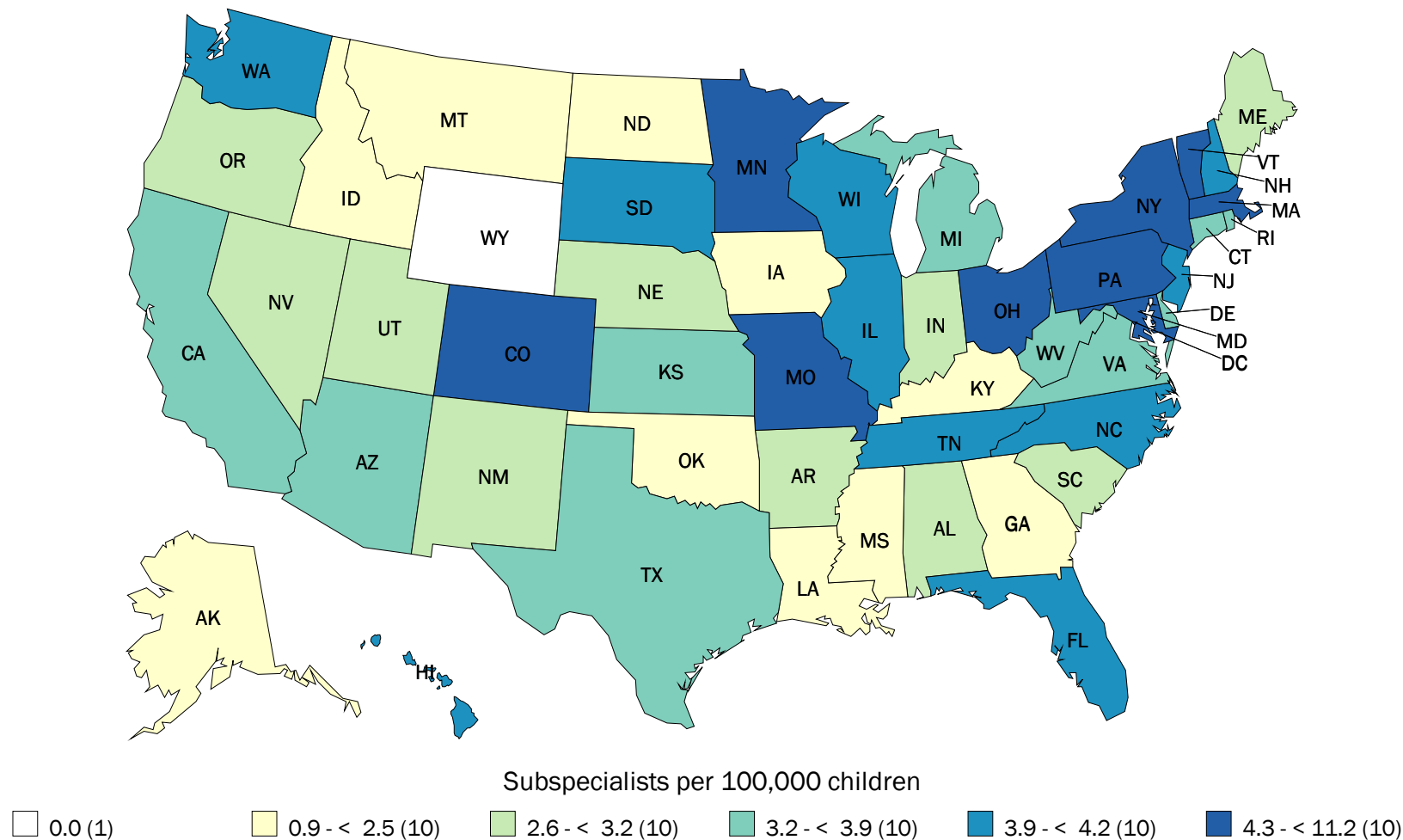
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Critical Care Medicine diplomates ever certified, age 70 and under (n=2,716), among all diplomates ever certified in Pediatric Critical Care Medicine (n=2,975). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Critical Care Medicine subspecialist diplomates ever certified, 259 (8.7%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (107, 3.6%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (69, 2.3%) and diplomates with an address outside of the 50 US states (83, 2.8%). While included in this table, approximately 12.1% of US-based Pediatric Critical Care Medicine diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.4.1. Distribution of US-Based Pediatric Critical Care Medicine Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Critical Care Medicine diplomates ever certified, age 70 and under (n=2,717), among all diplomates ever certified in Pediatric Critical Care Medicine (n=2,975). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Critical Care Medicine subspecialist diplomates ever certified, 258 (8.7%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (107, 3.6%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (70, 2.4%) and diplomates with an address outside of the 50 US states (81, 2.7%). While included in this map, approximately 12.2% of US-based Pediatric Critical Care Medicine diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.4.4 Yearly Count of Pediatric Critical Care Medicine Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	42	42.4	57	57.6	68	68.7	31	31.3	35	35.4	33	33.3	7	7.1	24	24.2	99
	Level 2	33	38.8	52	61.2	62	72.9	23	27.1	27	31.8	35	41.2	6	7.1	17	20.0	85
	Level 3	33	40.2	49	59.8	58	70.7	24	29.3	26	31.7	32	39.0	7	8.5	17	20.7	82
	Subtotal	108	40.6	158	59.4	188	70.7	78	29.3	88	33.1	100	37.6	20	7.5	58	21.8	266
2004	Level 1	55	48.2	59	51.8	80	70.2	34	29.8	44	38.6	36	31.6	11	9.6	23	20.2	114
	Level 2	40	41.7	56	58.3	68	70.8	28	29.2	34	35.4	34	35.4	6	6.3	22	22.9	96
	Level 3	29	41.4	41	58.6	53	75.7	17	24.3	25	35.7	28	40.0	4	5.7	13	18.6	70
	Subtotal	124	44.3	156	55.7	201	71.8	79	28.2	103	36.8	98	35.0	21	7.5	58	20.7	280
2005	Level 1	52	45.6	62	54.4	83	72.8	31	27.2	40	35.1	43	37.7	12	10.5	19	16.7	114
	Level 2	52	47.7	57	52.3	77	70.6	32	29.4	42	38.5	35	32.1	10	9.2	22	20.2	109
	Level 3	41	43.6	53	56.4	67	71.3	27	28.7	35	37.2	32	34.0	6	6.4	21	22.3	94
	Subtotal	145	45.7	172	54.3	227	71.6	90	28.4	117	36.9	110	34.7	28	8.8	62	19.6	317
2006	Level 1	58	42.0	80	58.0	101	73.2	37	26.8	48	34.8	53	38.4	10	7.2	27	19.6	138
	Level 2	49	47.1	55	52.9	79	76.0	25	24.0	35	33.7	44	42.3	14	13.5	11	10.6	104
	Level 3	50	50.5	49	49.5	72	72.7	27	27.3	41	41.4	31	31.3	9	9.1	18	18.2	99
	Subtotal	157	46.0	184	54.0	252	73.9	89	26.1	124	36.4	128	37.5	33	9.7	56	16.4	341
2007	Level 1	59	46.5	68	53.5	99	78.0	28	22.0	44	34.6	55	43.3	15	11.8	13	10.2	127
	Level 2	53	42.7	71	57.3	91	73.4	33	26.6	45	36.3	46	37.1	8	6.5	25	20.2	124
	Level 3	45	42.9	60	57.1	78	74.3	27	25.7	33	31.4	45	42.9	12	11.4	15	14.3	105
	Subtotal	157	44.1	199	55.9	268	75.3	88	24.7	122	34.3	146	41.0	35	9.8	53	14.9	356
2008	Level 1	59	49.2	61	50.8	89	74.2	31	25.8	47	39.2	42	35.0	12	10.0	19	15.8	120
	Level 2	56	45.5	67	54.5	95	77.2	28	22.8	42	34.1	53	43.1	14	11.4	14	11.4	123
	Level 3	52	44.8	64	55.2	87	75.0	29	25.0	44	37.9	43	37.1	8	6.9	21	18.1	116
	Subtotal	167	46.5	192	53.5	271	75.5	88	24.5	133	37.0	138	38.4	34	9.5	54	15.0	359
2009	Level 1	76	51.4	72	48.6	94	63.5	54	36.5	53	35.8	41	27.7	23	15.5	31	20.9	148
	Level 2	54	48.2	58	51.8	86	76.8	26	23.2	44	39.3	42	37.5	10	8.9	16	14.3	112
	Level 3	51	45.9	60	54.1	89	80.2	22	19.8	41	36.9	48	43.2	10	9.0	12	10.8	111
	Subtotal	181	48.8	190	51.2	269	72.5	102	27.5	138	37.2	131	35.3	43	11.6	59	15.9	371
2010	Level 1	76	54.7	63	45.3	89	64.0	50	36.0	53	38.1	36	25.9	23	16.5	27	19.4	139
	Level 2	70	51.9	65	48.1	86	63.7	49	36.3	48	35.6	38	28.1	22	16.3	27	20.0	135
	Level 3	54	47.8	59	52.2	90	79.6	23	20.4	45	39.8	45	39.8	9	8.0	14	12.4	113
	Subtotal	200	51.7	187	48.3	265	68.5	122	31.5	146	37.7	119	30.7	54	14.0	68	17.6	387
2011	Level 1	89	60.5	58	39.5	97	66.0	50	34.0	69	46.9	28	19.0	20	13.6	30	20.4	147
	Level 2	70	53.4	61	46.6	87	66.4	44	33.6	52	39.7	35	26.7	18	13.7	26	19.8	131
	Level 3	66	51.6	62	48.4	79	61.7	49	38.3	44	34.4	35	27.3	22	17.2	27	21.1	128
	Subtotal	225	55.4	181	44.6	263	64.8	143	35.2	165	40.6	98	24.1	60	14.8	83	20.4	406
2012	Level 1	70	45.8	83	54.2	99	64.7	54	35.3	55	35.9	44	28.8	15	9.8	39	25.5	153
	Level 2	84	60.9	54	39.1	93	67.4	45	32.6	66	47.8	27	19.6	18	13.0	27	19.6	138
	Level 3	67	55.8	53	44.2	82	68.3	38	31.7	51	42.5	31	25.8	16	13.3	22	18.3	120
	Subtotal	221	53.8	190	46.2	274	66.7	137	33.3	172	41.8	102	24.8	49	11.9	88	21.4	411
2013	Level 1	105	62.9	62	37.1	120	71.9	47	28.1	79	47.3	41	24.6	26	15.6	21	12.6	167
	Level 2	75	48.4	80	51.6	100	64.5	55	35.5	57	36.8	43	27.7	18	11.6	37	23.9	155
	Level 3	82	63.1	48	36.9	88	67.7	42	32.3	65	50.0	23	17.7	17	13.1	25	19.2	130
	Subtotal	262	58.0	190	42.0	308	68.1	144	31.9	201	44.5	107	23.7	61	13.5	83	18.4	452
2014	Level 1	97	56.7	74	43.3	120	70.2	51	29.8	72	42.1	48	28.1	25	14.6	26	15.2	171
	Level 2	100	63.3	58	36.7	114	72.2	44	27.8	74	46.8	40	25.3	26	16.5	18	11.4	158
	Level 3	67	48.2	72	51.8	87	62.6	52	37.4	50	36.0	37	26.6	17	12.2	35	25.2	139
	Subtotal	264	56.4	204	43.6	321	68.6	147	31.4	196	41.9	125	26.7	68	14.5	79	16.9	468
2015	Level 1	125	69.8	54	30.2	147	82.1	32	17.9	105	58.7	42	23.5	20	11.2	12	6.7	179
	Level 2	96	57.1	72	42.9	120	71.4	48	28.6	73	43.5	47	28.0	23	13.7	25	14.9	168
	Level 3	95	63.3	55	36.7	110	73.3	40	26.7	72	48.0	38	25.3	23	15.3	17	11.3	150
	Subtotal	316	63.6	181	36.4	377	75.9	120	24.1	250	50.3	127	25.6	66	13.3	54	10.9	497
2016	Level 1	107	59.8	72	40.2	139	77.7	40	22.3	92	51.4	47	26.3	15	8.4	25	14.0	179
	Level 2	119	69.2	53	30.8	142	82.6	30	17.4	100	58.1	42	24.4	19	11.0	11	6.4	172
	Level 3	95	59.7	64	40.3	114	71.7	45	28.3	72	45.3	42	26.4	23	14.5	22	13.8	159
	Subtotal	321	62.9	189	37.1	395	77.5	115	22.5	264	51.8	131	25.7	57	11.2	58	11.4	510
2017	Level 1	115	60.5	75	39.5	142	74.7	48	25.3	87	45.8	55	28.9	28	14.7	20	10.5	190
	Level 2	105	60.0	70	40.0	136	77.7	39	22.3	90	51.4	46	26.3	15	8.6	24	13.7	175
	Level 3	116	71.6	46	28.4	132	81.5	30	18.5	97	59.9	35	21.6	19	11.7	11	6.8	162
	Subtotal	336	63.8	191	36.2	410	77.8	117	22.2	274	52.0	136	25.8	62	11.8	55	10.4	527
2018	Level 1	106	54.9	87	45.1	138	71.5	55	28.5	79	40.9	59	30.6	27	14.0	28	14.5	193
	Level 2	110	60.1	73	39.9	138	75.4	45	24.6	85	46.4	53	29.0	25	13.7	20	10.9	183
	Level 3	100	62.5	60	37.5	124	77.5	36	22.5	85	53.1	39	24.4	15	9.4	21	13.1	160
	Subtotal	316	59.0	220	41.0	400	74.6	136	25.4	249	46.5	151	28.2	67	12.5	69	12.9	536

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Critical Care Medicine programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Figure 4.4.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Critical Care Medicine Programs Since 2003 by Gender

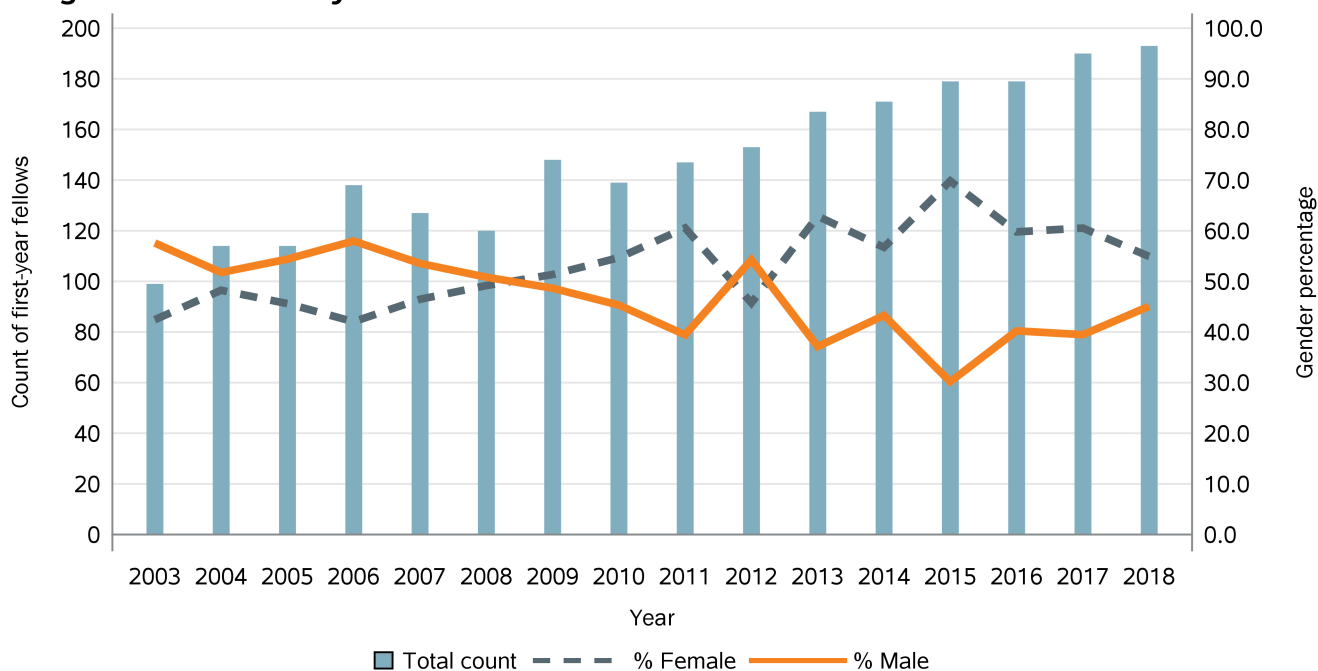
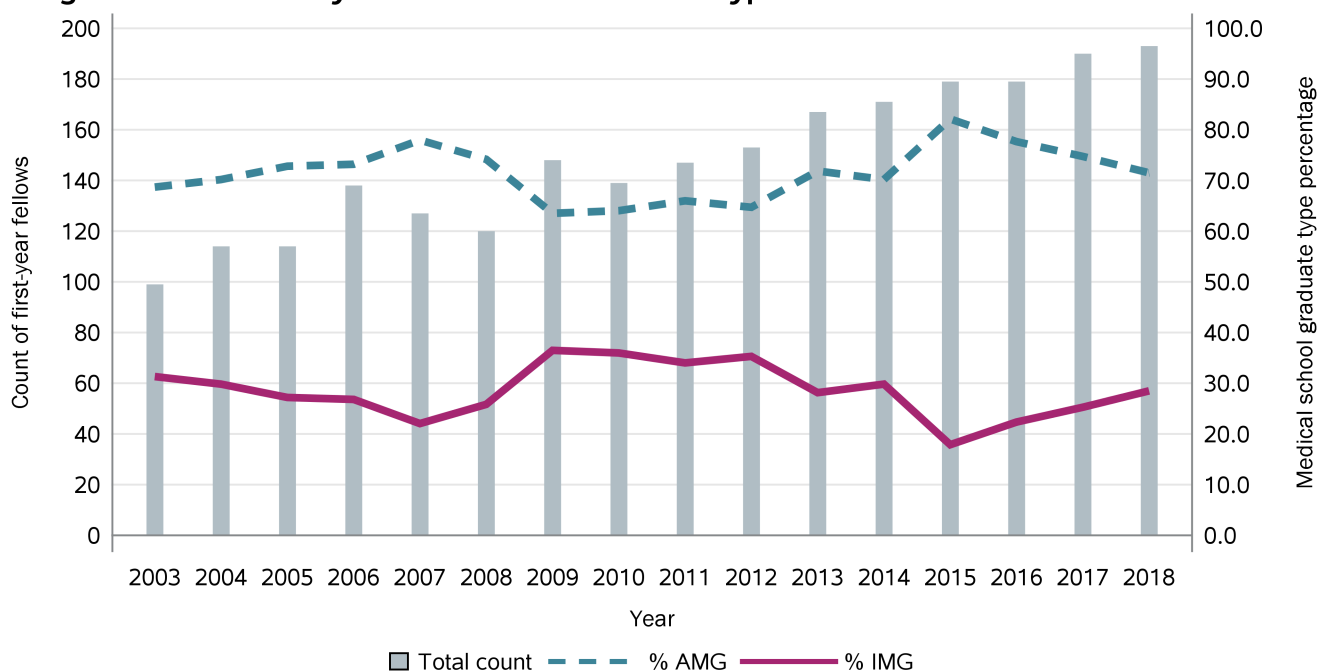


Figure 4.4.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Critical Care Medicine Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.4.4.

4.5. Developmental-Behavioral Pediatrics

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Developmental-Behavioral Pediatrics Fellowship Tracking Information

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Table 4.5.1. All Developmental-Behavioral Pediatrics Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=699)		Lapsed (n=144)		Revoked (n=0)		Total (n=843)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	88	12.6	3	2.1	0	0.0	91	10.8
41 to 50	0	0.0	190	27.2	13	9.0	0	0.0	203	24.1
51 to 60	0	0.0	186	26.6	12	8.3	0	0.0	198	23.5
61 to 70	0	0.0	195	27.9	58	40.3	0	0.0	253	30.0
71 to 80	0	0.0	39	5.6	55	38.2	0	0.0	94	11.2
81 to 90	0	0.0	1	0.1	3	2.1	0	0.0	4	0.5
> 90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	484	69.2	74	51.4	0	0.0	558	66.2
Male	0	0.0	215	30.8	70	48.6	0	0.0	285	33.8
Medical school graduate type										
AMG	0	0.0	602	86.1	129	89.6	0	0.0	731	86.7
IMG	0	0.0	97	13.9	15	10.4	0	0.0	112	13.3

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Developmental-Behavioral Pediatrics since certification was first awarded in 2002 (n=843).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Developmental-Behavioral Pediatrics diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.5.2. All Developmental-Behavioral Pediatrics Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=659)		Lapsed (n=86)		Revoked (n=0)		Total (n=745)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	88	13.4	3	3.5	0	0.0	91	12.2
41 to 50	0	0.0	190	28.8	13	15.1	0	0.0	203	27.2
51 to 60	0	0.0	186	28.2	12	14.0	0	0.0	198	26.6
61 to 70	0	0.0	195	29.6	58	67.4	0	0.0	253	34.0
Gender										
Female	0	0.0	470	71.3	50	58.1	0	0.0	520	69.8
Male	0	0.0	189	28.7	36	41.9	0	0.0	225	30.2
Medical school graduate type										
AMG	0	0.0	565	85.7	78	90.7	0	0.0	643	86.3
IMG	0	0.0	94	14.3	8	9.3	0	0.0	102	13.7

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Developmental-Behavioral Pediatrics since certification was first awarded in 2002 (n=745).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Developmental-Behavioral Pediatrics diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.5.3. US-Based Developmental-Behavioral Pediatrics Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios

(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	6	182,574.7	0.5
Alaska	184,928	3	61,642.7	1.6
Arizona	1,633,486	11	148,498.7	0.7
Arkansas	705,540	7	100,791.4	1.0
California	9,059,950	93	97,418.8	1.0
Colorado	1,261,831	15	84,122.1	1.2
Connecticut	743,826	14	53,130.4	1.9
Delaware	204,484	1	204,484.0	0.5
District of Columbia	124,492	5	24,898.4	4.0
Florida	4,201,974	22	190,998.8	0.5
Georgia	2,514,381	6	419,063.5	0.2
Hawaii	305,744	7	43,677.7	2.3
Idaho	443,792	1	443,792.0	0.2
Illinois	2,897,059	21	137,955.2	0.7
Indiana	1,573,409	5	314,681.8	0.3
Iowa	731,947	6	121,991.2	0.8
Kansas	712,538	10	71,253.8	1.4
Kentucky	1,010,537	5	202,107.4	0.5
Louisiana	1,108,402	5	221,680.4	0.5
Maine	252,634	11	22,966.7	4.4
Maryland	1,347,506	17	79,265.1	1.3
Massachusetts	1,369,953	50	27,399.1	3.6
Michigan	2,176,649	13	167,434.5	0.6
Minnesota	1,298,657	11	118,059.7	0.8
Mississippi	713,563	3	237,854.3	0.4
Missouri	1,382,874	6	230,479.0	0.4
Montana	228,889	2	114,444.5	0.9
Nebraska	475,733	4	118,933.3	0.8
Nevada	685,463	4	171,365.8	0.6
New Hampshire	258,773	5	51,754.6	1.9
New Jersey	1,978,999	36	54,972.2	1.8
New Mexico	488,090	2	244,045.0	0.4
New York	4,154,497	68	61,095.5	1.6
North Carolina	2,302,313	21	109,634.0	0.9
North Dakota	175,771	0	-	-
Ohio	2,605,235	38	68,558.8	1.5
Oklahoma	959,226	5	191,845.2	0.5
Oregon	873,619	12	72,801.6	1.4
Pennsylvania	2,664,515	25	106,580.6	0.9
Rhode Island	207,332	8	25,916.5	3.9
South Carolina	1,104,265	16	69,016.6	1.4
South Dakota	214,856	0	-	-
Tennessee	1,507,500	8	188,437.5	0.5
Texas	7,365,951	43	171,301.2	0.6
Utah	926,699	2	463,349.5	0.2
Vermont	116,825	6	19,470.8	5.1
Virginia	1,869,162	24	77,881.8	1.3
Washington	1,645,811	22	74,809.6	1.3
West Virginia	369,718	2	184,859.0	0.5
Wisconsin	1,282,642	3	427,547.3	0.2
Wyoming	136,483	0	-	-
Total	73,653,971	710	103,738.0	1.0

Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

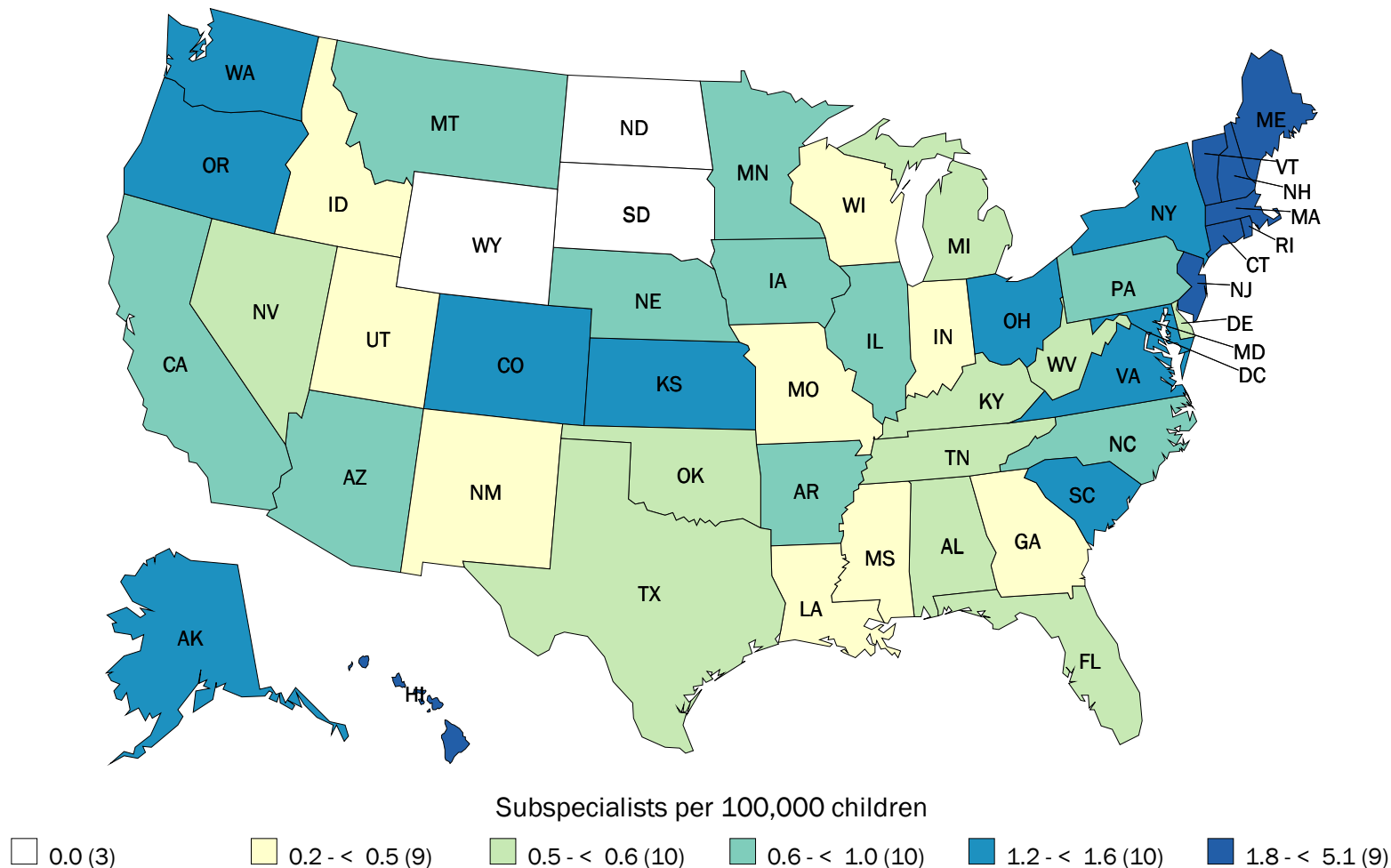
Sample: All US-based Developmental-Behavioral Pediatrics diplomates ever certified, age 70 and under (n=710), among all diplomates ever certified in Developmental-Behavioral Pediatrics (n=843). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Developmental-Behavioral Pediatrics subspecialist diplomates ever certified, 133 (15.8%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (98, 11.6%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (13, 1.5%) and diplomates with an address outside of the 50 US states (22, 2.6%). While included in this table, approximately 11.5% of US-based Developmental-Behavioral Pediatrics diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.5.1. Distribution of US-Based Developmental-Behavioral Pediatrics Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State

(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Developmental-Behavioral Pediatrics diplomates ever certified, age 70 and under (n=710), among all diplomates ever certified in Developmental-Behavioral Pediatrics (n=843). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Developmental-Behavioral Pediatrics subspecialist diplomates ever certified, 133 (15.8%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (98, 11.6%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (13, 1.5%) and diplomates with an address outside of the 50 US states (22, 2.6%). While included in this map, approximately 11.7% of US-based Developmental-Behavioral Pediatrics diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.5.4 Yearly Count of Developmental-Behavioral Pediatrics Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	15	75.0	5	25.0	15	75.0	5	25.0	11	55.0	4	20.0	4	20.0	1	5.0	20
	Level 2	4	80.0	1	20.0	3	60.0	2	40.0	2	40.0	1	20.0	2	40.0	0	0.0	5
	Level 3	5	100.0	0	0.0	4	80.0	1	20.0	4	80.0	0	0.0	1	20.0	0	0.0	5
	Subtotal	24	80.0	6	20.0	22	73.3	8	26.7	17	56.7	5	16.7	7	23.3	1	3.3	30
2004	Level 1	19	79.2	5	20.8	21	87.5	3	12.5	17	70.8	4	16.7	2	8.3	1	4.2	24
	Level 2	18	72.0	7	28.0	21	84.0	4	16.0	15	60.0	6	24.0	3	12.0	1	4.0	25
	Level 3	9	52.9	8	47.1	12	70.6	5	29.4	6	35.3	6	35.3	3	17.6	2	11.8	17
	Subtotal	46	69.7	20	30.3	54	81.8	12	18.2	38	57.6	16	24.2	8	12.1	4	6.1	66
2005	Level 1	18	72.0	7	28.0	22	88.0	3	12.0	17	68.0	5	20.0	1	4.0	2	8.0	25
	Level 2	16	80.0	4	20.0	17	85.0	3	15.0	14	70.0	3	15.0	2	10.0	1	5.0	20
	Level 3	17	81.0	4	19.0	19	90.5	2	9.5	15	71.4	4	19.0	2	9.5	0	0.0	21
	Subtotal	51	77.3	15	22.7	58	87.9	8	12.1	46	69.7	12	18.2	5	7.6	3	4.5	66
2006	Level 1	21	84.0	4	16.0	22	88.0	3	12.0	18	72.0	4	16.0	3	12.0	0	0.0	25
	Level 2	17	73.9	6	26.1	21	91.3	2	8.7	16	69.6	5	21.7	1	4.3	1	4.3	23
	Level 3	18	78.3	5	21.7	20	87.0	3	13.0	16	69.6	4	17.4	2	8.7	1	4.3	23
	Subtotal	56	78.9	15	21.1	63	88.7	8	11.3	50	70.4	13	18.3	6	8.5	2	2.8	71
2007	Level 1	15	78.9	4	21.1	16	84.2	3	15.8	12	63.2	4	21.1	3	15.8	0	0.0	19
	Level 2	21	84.0	4	16.0	21	84.0	4	16.0	17	68.0	4	16.0	4	16.0	0	0.0	25
	Level 3	18	75.0	6	25.0	22	91.7	2	8.3	17	70.8	5	20.8	1	4.2	1	4.2	24
	Subtotal	54	79.4	14	20.6	59	86.8	9	13.2	46	67.6	13	19.1	8	11.8	1	1.5	68
2008	Level 1	23	76.7	7	23.3	27	90.0	3	10.0	21	70.0	6	20.0	2	6.7	1	3.3	30
	Level 2	13	76.5	4	23.5	15	88.2	2	11.8	11	64.7	4	23.5	2	11.8	0	0.0	17
	Level 3	18	81.8	4	18.2	18	81.8	4	18.2	14	63.6	4	18.2	4	18.2	0	0.0	22
	Subtotal	54	78.3	15	21.7	60	87.0	9	13.0	46	66.7	14	20.3	8	11.6	1	1.4	69
2009	Level 1	21	80.8	5	19.2	22	84.6	4	15.4	17	65.4	5	19.2	4	15.4	0	0.0	26
	Level 2	22	75.9	7	24.1	27	93.1	2	6.9	21	72.4	6	20.7	1	3.4	1	3.4	29
	Level 3	12	75.0	4	25.0	14	87.5	2	12.5	10	62.5	4	25.0	2	12.5	0	0.0	16
	Subtotal	55	77.5	16	22.5	63	88.7	8	11.3	48	67.6	15	21.1	7	9.9	1	1.4	71
2010	Level 1	28	77.8	8	22.2	27	75.0	9	25.0	20	55.6	7	19.4	8	22.2	1	2.8	36
	Level 2	21	84.0	4	16.0	21	84.0	4	16.0	17	68.0	4	16.0	4	16.0	0	0.0	25
	Level 3	20	74.1	7	25.9	25	92.6	2	7.4	19	70.4	6	22.2	1	3.7	1	3.7	27
	Subtotal	69	78.4	19	21.6	73	83.0	15	17.0	56	63.6	17	19.3	13	14.8	2	2.3	88
2011	Level 1	25	80.6	6	19.4	19	61.3	12	38.7	14	45.2	5	16.1	11	35.5	1	3.2	31
	Level 2	29	78.4	8	21.6	30	81.1	7	18.9	23	62.2	7	18.9	6	16.2	1	2.7	37
	Level 3	20	83.3	4	16.7	21	87.5	3	12.5	17	70.8	4	16.7	3	12.5	0	0.0	24
	Subtotal	74	80.4	18	19.6	70	76.1	22	23.9	54	58.7	16	17.4	20	21.7	2	2.2	92
2012	Level 1	25	80.6	6	19.4	26	83.9	5	16.1	20	64.5	6	19.4	5	16.1	0	0.0	31
	Level 2	25	80.6	6	19.4	19	61.3	12	38.7	14	45.2	5	16.1	11	35.5	1	3.2	31
	Level 3	32	82.1	7	17.9	32	82.1	7	17.9	26	66.7	6	15.4	6	15.4	1	2.6	39
	Subtotal	82	81.2	19	18.8	77	76.2	24	23.8	60	59.4	17	16.8	22	21.8	2	2.0	101
2013	Level 1	30	81.1	7	18.9	26	70.3	11	29.7	20	54.1	6	16.2	10	27.0	1	2.7	37
	Level 2	25	80.6	6	19.4	26	83.9	5	16.1	20	64.5	6	19.4	5	16.1	0	0.0	31
	Level 3	24	80.0	6	20.0	18	60.0	12	40.0	13	43.3	5	16.7	11	36.7	1	3.3	30
	Subtotal	79	80.6	19	19.4	70	71.4	28	28.6	53	54.1	17	17.3	26	26.5	2	2.0	98
2014	Level 1	28	87.5	4	12.5	23	71.9	9	28.1	21	65.6	2	6.3	7	21.9	2	6.3	32
	Level 2	29	82.9	6	17.1	25	71.4	10	28.6	19	54.3	6	17.1	10	28.6	0	0.0	35
	Level 3	26	81.3	6	18.8	27	84.4	5	15.6	21	65.6	6	18.8	5	15.6	0	0.0	32
	Subtotal	83	83.8	16	16.2	75	75.8	24	24.2	61	61.6	14	14.1	22	22.2	2	2.0	99
2015	Level 1	33	82.5	7	17.5	28	70.0	12	30.0	23	57.5	5	12.5	10	25.0	2	5.0	40
	Level 2	26	86.7	4	13.3	20	66.7	10	33.3	18	60.0	2	6.7	8	26.7	2	6.7	30
	Level 3	28	82.4	6	17.6	25	73.5	9	26.5	19	55.9	6	17.6	9	26.5	0	0.0	34
	Subtotal	87	83.7	17	16.3	73	70.2	31	29.8	60	57.7	13	12.5	27	26.0	4	3.8	104
2016	Level 1	22	73.3	8	26.7	25	83.3	5	16.7	19	63.3	6	20.0	3	10.0	2	6.7	30
	Level 2	33	82.5	7	17.5	28	70.0	12	30.0	22	55.0	6	15.0	11	27.5	1	2.5	40
	Level 3	26	89.7	3	10.3	20	69.0	9	31.0	19	65.5	1	3.4	7	24.1	2	6.9	29
	Subtotal	81	81.8	18	18.2	73	73.7	26	26.3	60	60.6	13	13.1	21	21.2	5	5.1	99
2017	Level 1	34	82.9	7	17.1	31	75.6	10	24.4	26	63.4	5	12.2	8	19.5	2	4.9	41
	Level 2	23	76.7	7	23.3	25	83.3	5	16.7	20	66.7	5	16.7	3	10.0	2	6.7	30
	Level 3	36	85.7	6	14.3	30	71.4	12	28.6	25	59.5	5	11.9	11	26.2	1	2.4	42
	Subtotal	93	82.3	20	17.7	86	76.1	27	23.9	71	62.8	15	13.3	22	19.5	5	4.4	113
2018	Level 1	37	88.1	5	11.9	26	61.9	16	38.1	24	57.1	2	4.8	13	31.0	3	7.1	42
	Level 2	34	82.9	7	17.1	32	78.0	9	22.0	27	65.9	5	12.2	7	17.1	2	4.9	41
	Level 3	23	82.1	5	17.9	24	85.7	4	14.3	20	71.4	4	14.3	3	10.7	1	3.6	28
	Subtotal	94	84.7	17	15.3	82	73.9	29	26.1	71	64.0	11	9.9	23	20.7	6	5.4	111

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Developmental-Behavioral Pediatrics programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.5.2 Yearly Count of First-Year (Level 1) Fellows in Developmental-Behavioral Pediatrics Programs Since 2003 by Gender

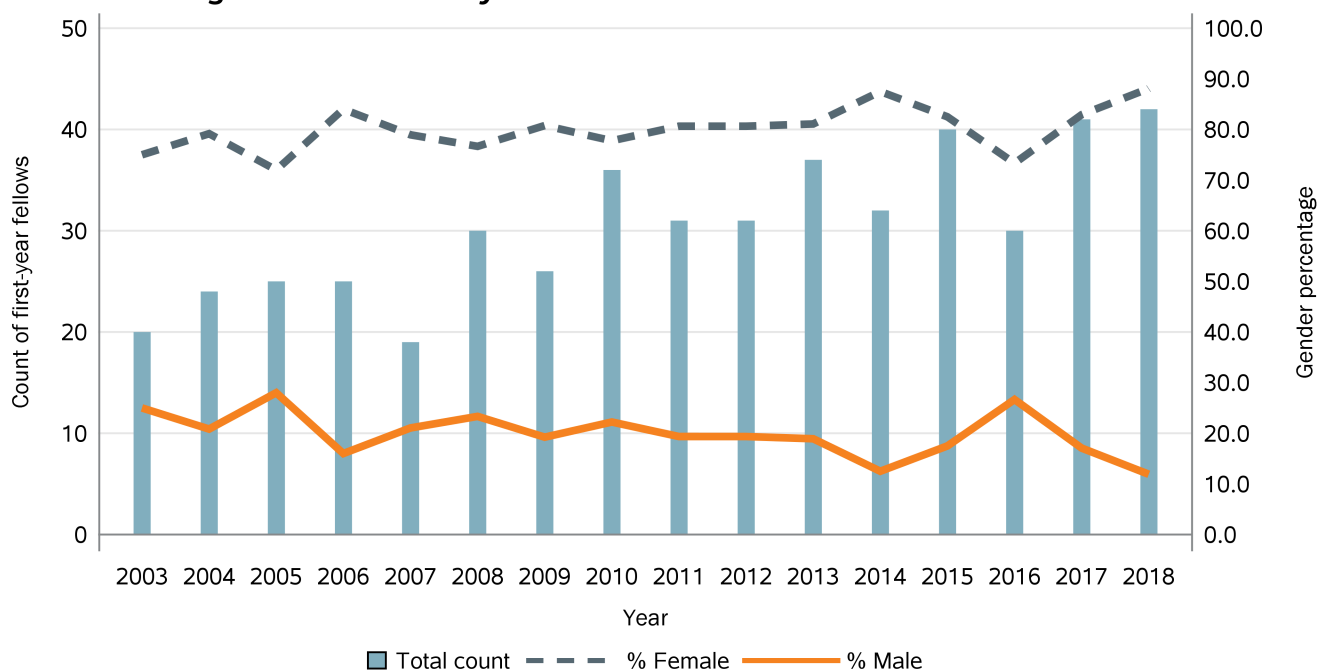
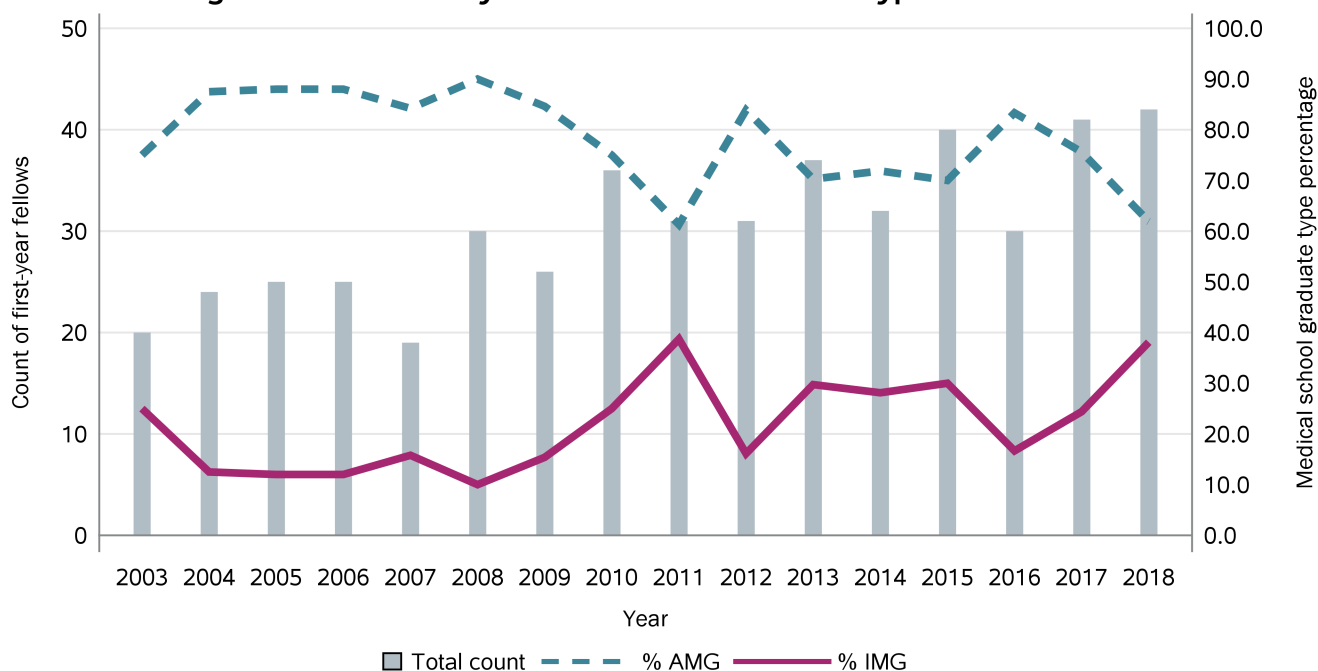


Figure 4.5.3 Yearly Count of First-Year (Level 1) Fellows in Developmental-Behavioral Pediatrics Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.5.4.

4.6. Pediatric Emergency Medicine

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Pediatric Emergency Medicine Fellowship Tracking Information

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Table 4.6.1. All Pediatric Emergency Medicine Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=2,131)		Lapsed (n=392)		Revoked (n=5)		Total (n=2,528)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	431	20.2	8	2.0	0	0.0	439	17.4
41 to 50	0	0.0	802	37.6	34	8.7	1	20.0	837	33.1
51 to 60	0	0.0	607	28.5	104	26.5	2	40.0	713	28.2
61 to 70	0	0.0	281	13.2	172	43.9	2	40.0	455	18.0
71 to 80	0	0.0	10	0.5	71	18.1	0	0.0	81	3.2
81 to 90	0	0.0	0	0.0	3	0.8	0	0.0	3	0.1
> 90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	1,227	57.6	183	46.7	2	40.0	1,412	55.9
Male	0	0.0	904	42.4	209	53.3	3	60.0	1,116	44.1
Medical school graduate type										
AMG	0	0.0	1,775	83.3	323	82.4	4	80.0	2,102	83.1
IMG	0	0.0	356	16.7	69	17.6	1	20.0	426	16.9

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Emergency Medicine since certification was first awarded in 1992 (n=2,528).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Emergency Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.6.2. All Pediatric Emergency Medicine Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=2,121)		Lapsed (n=318)		Revoked (n=5)		Total (n=2,444)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	431	20.3	8	2.5	0	0.0	439	18.0
41 to 50	0	0.0	802	37.8	34	10.7	1	20.0	837	34.2
51 to 60	0	0.0	607	28.6	104	32.7	2	40.0	713	29.2
61 to 70	0	0.0	281	13.2	172	54.1	2	40.0	455	18.6
Gender										
Female	0	0.0	1,224	57.7	157	49.4	2	40.0	1,383	56.6
Male	0	0.0	897	42.3	161	50.6	3	60.0	1,061	43.4
Medical school graduate type										
AMG	0	0.0	1,772	83.5	270	84.9	4	80.0	2,046	83.7
IMG	0	0.0	349	16.5	48	15.1	1	20.0	398	16.3

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Emergency Medicine since certification was first awarded in 1992 (n=2,444).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Emergency Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.6.3. US-Based Pediatric Emergency Medicine Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	26	42,132.6	2.4
Alaska	184,928	1	184,928.0	0.5
Arizona	1,633,486	39	41,884.3	2.4
Arkansas	705,540	16	44,096.3	2.3
California	9,059,950	155	58,451.3	1.7
Colorado	1,261,831	66	19,118.7	5.2
Connecticut	743,826	50	14,876.5	6.7
Delaware	204,484	13	15,729.5	6.4
District of Columbia	124,492	19	6,552.2	15.3
Florida	4,201,974	164	25,621.8	3.9
Georgia	2,514,381	93	27,036.4	3.7
Hawaii	305,744	14	21,838.9	4.6
Idaho	443,792	1	443,792.0	0.2
Illinois	2,897,059	74	39,149.4	2.6
Indiana	1,573,409	15	104,893.9	1.0
Iowa	731,947	9	81,327.4	1.2
Kansas	712,538	18	39,585.4	2.5
Kentucky	1,010,537	27	37,427.3	2.7
Louisiana	1,108,402	10	110,840.2	0.9
Maine	252,634	2	126,317.0	0.8
Maryland	1,347,506	66	20,416.8	4.9
Massachusetts	1,369,953	115	11,912.6	8.4
Michigan	2,176,649	55	39,575.4	2.5
Minnesota	1,298,657	57	22,783.5	4.4
Mississippi	713,563	5	142,712.6	0.7
Missouri	1,382,874	58	23,842.7	4.2
Montana	228,889	0	-	-
Nebraska	475,733	11	43,248.5	2.3
Nevada	685,463	16	42,841.4	2.3
New Hampshire	258,773	6	43,128.8	2.3
New Jersey	1,978,999	102	19,402.0	5.2
New Mexico	488,090	9	54,232.2	1.8
New York	4,154,497	253	16,420.9	6.1
North Carolina	2,302,313	43	53,542.2	1.9
North Dakota	175,771	2	87,885.5	1.1
Ohio	2,605,235	142	18,346.7	5.5
Oklahoma	959,226	11	87,202.4	1.1
Oregon	873,619	21	41,600.9	2.4
Pennsylvania	2,664,515	120	22,204.3	4.5
Rhode Island	207,332	18	11,518.4	8.7
South Carolina	1,104,265	24	46,011.0	2.2
South Dakota	214,856	0	-	-
Tennessee	1,507,500	73	20,650.7	4.8
Texas	7,365,951	161	45,751.2	2.2
Utah	926,699	22	42,122.7	2.4
Vermont	116,825	1	116,825.0	0.9
Virginia	1,869,162	36	51,921.2	1.9
Washington	1,645,811	65	25,320.2	3.9
West Virginia	369,718	4	92,429.5	1.1
Wisconsin	1,282,642	25	51,305.7	1.9
Wyoming	136,483	0	-	-
Total	73,653,971	2,333	31,570.5	3.2

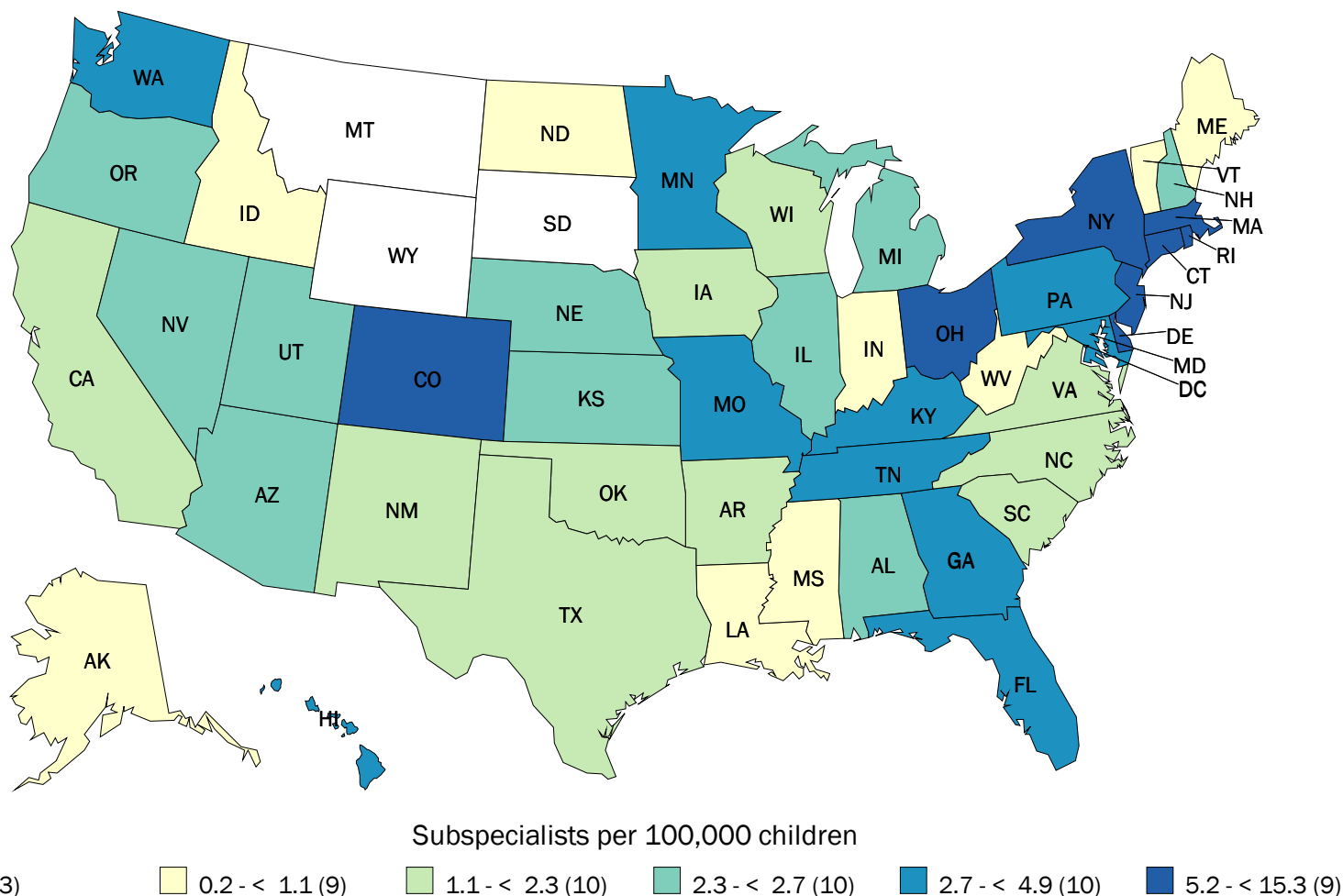
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Emergency Medicine diplomates ever certified, age 70 and under (n=2,333), among all diplomates ever certified in Pediatric Emergency Medicine (n=2,528). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Emergency Medicine subspecialist diplomates ever certified, 195 (7.7%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (84, 3.3%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (41, 1.6%) and diplomates with an address outside of the 50 US states (70, 2.8%). While included in this table, approximately 13.0% of US-based Pediatric Emergency Medicine diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.6.1. Distribution of US-Based Pediatric Emergency Medicine Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Emergency Medicine diplomates ever certified, age 70 and under (n=2,333), among all diplomates ever certified in Pediatric Emergency Medicine (n=2,528). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Emergency Medicine subspecialist diplomates ever certified, 195 (7.7%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (84, 3.3%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (41, 1.6%) and diplomates with an address outside of the 50 US states (70, 2.8%). While included in this map, approximately 13.1% of US-based Pediatric Emergency Medicine diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.6.4 Yearly Count of Pediatric Emergency Medicine Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	48	58.5	34	41.5	72	87.8	10	12.2	44	53.7	28	34.1	4	4.9	6	7.3	82
	Level 2	41	50.6	40	49.4	73	90.1	8	9.9	36	44.4	37	45.7	5	6.2	3	3.7	81
	Level 3	37	45.7	44	54.3	66	81.5	15	18.5	32	39.5	34	42.0	5	6.2	10	12.3	81
	Subtotal	126	51.6	118	48.4	211	86.5	33	13.5	112	45.9	99	40.6	14	5.7	19	7.8	244
2004	Level 1	53	56.4	41	43.6	83	88.3	11	11.7	49	52.1	34	36.2	4	4.3	7	7.4	94
	Level 2	45	57.0	34	43.0	70	88.6	9	11.4	41	51.9	29	36.7	4	5.1	5	6.3	79
	Level 3	40	50.6	39	49.4	72	91.1	7	8.9	36	45.6	36	45.6	4	5.1	3	3.8	79
	Subtotal	138	54.8	114	45.2	225	89.3	27	10.7	126	50.0	99	39.3	12	4.8	15	6.0	252
2005	Level 1	66	57.4	49	42.6	98	85.2	17	14.8	57	49.6	41	35.7	9	7.8	8	7.0	115
	Level 2	50	55.6	40	44.4	79	87.8	11	12.2	46	51.1	33	36.7	4	4.4	7	7.8	90
	Level 3	45	59.2	31	40.8	66	86.8	10	13.2	40	52.6	26	34.2	5	6.6	5	6.6	76
	Subtotal	161	57.3	120	42.7	243	86.5	38	13.5	143	50.9	100	35.6	18	6.4	20	7.1	281
2006	Level 1	70	64.8	38	35.2	90	83.3	18	16.7	57	52.8	33	30.6	13	12.0	5	4.6	108
	Level 2	63	57.3	47	42.7	92	83.6	18	16.4	54	49.1	38	34.5	9	8.2	9	8.2	110
	Level 3	47	56.6	36	43.4	72	86.7	11	13.3	43	51.8	29	34.9	4	4.8	7	8.4	83
	Subtotal	180	59.8	121	40.2	254	84.4	47	15.6	154	51.2	100	33.2	26	8.6	21	7.0	301
2007	Level 1	82	69.5	36	30.5	105	89.0	13	11.0	75	63.6	30	25.4	7	5.9	6	5.1	118
	Level 2	64	63.4	37	36.6	82	81.2	19	18.8	51	50.5	31	30.7	13	12.9	6	5.9	101
	Level 3	57	58.2	41	41.8	83	84.7	15	15.3	50	51.0	33	33.7	7	7.1	8	8.2	98
	Subtotal	203	64.0	114	36.0	270	85.2	47	14.8	176	55.5	94	29.7	27	8.5	20	6.3	317
2008	Level 1	71	61.2	45	38.8	99	85.3	17	14.7	60	51.7	39	33.6	11	9.5	6	5.2	116
	Level 2	80	69.0	36	31.0	103	88.8	13	11.2	73	62.9	30	25.9	7	6.0	6	5.2	116
	Level 3	62	66.0	32	34.0	76	80.9	18	19.1	50	53.2	26	27.7	12	12.8	6	6.4	94
	Subtotal	213	65.3	113	34.7	278	85.3	48	14.7	183	56.1	95	29.1	30	9.2	18	5.5	326
2009	Level 1	74	59.7	50	40.3	100	80.6	24	19.4	55	44.4	45	36.3	19	15.3	5	4.0	124
	Level 2	71	61.2	45	38.8	100	86.2	16	13.8	61	52.6	39	33.6	10	8.6	6	5.2	116
	Level 3	74	70.5	31	29.5	93	88.6	12	11.4	67	63.8	26	24.8	7	6.7	5	4.8	105
	Subtotal	219	63.5	126	36.5	293	84.9	52	15.1	183	53.0	110	31.9	36	10.4	16	4.6	345
2010	Level 1	100	69.9	43	30.1	127	88.8	16	11.2	91	63.6	36	25.2	9	6.3	7	4.9	143
	Level 2	74	59.2	51	40.8	101	80.8	24	19.2	56	44.8	45	36.0	18	14.4	6	4.8	125
	Level 3	66	63.5	38	36.5	88	84.6	16	15.4	56	53.8	32	30.8	10	9.6	6	5.8	104
	Subtotal	240	64.5	132	35.5	316	84.9	56	15.1	203	54.6	113	30.4	37	9.9	19	5.1	372
2011	Level 1	99	69.2	44	30.8	125	87.4	18	12.6	89	62.2	36	25.2	10	7.0	8	5.6	143
	Level 2	96	70.1	41	29.9	123	89.8	14	10.2	87	63.5	36	26.3	9	6.6	5	3.6	137
	Level 3	68	60.2	45	39.8	91	80.5	22	19.5	52	46.0	39	34.5	16	14.2	6	5.3	113
	Subtotal	263	66.9	130	33.1	339	86.3	54	13.7	228	58.0	111	28.2	35	8.9	19	4.8	393
2012	Level 1	106	68.4	49	31.6	127	81.9	28	18.1	92	59.4	35	22.6	14	9.0	14	9.0	155
	Level 2	97	69.8	42	30.2	120	86.3	19	13.7	87	62.6	33	23.7	10	7.2	9	6.5	139
	Level 3	88	72.7	33	27.3	108	89.3	13	10.7	79	65.3	29	24.0	9	7.4	4	3.3	121
	Subtotal	291	70.1	124	29.9	355	85.5	60	14.5	258	62.2	97	23.4	33	8.0	27	6.5	415
2013	Level 1	108	64.3	60	35.7	136	81.0	32	19.0	93	55.4	43	25.6	15	8.9	17	10.1	168
	Level 2	104	68.9	47	31.1	126	83.4	25	16.6	92	60.9	34	22.5	12	7.9	13	8.6	151
	Level 3	91	71.1	37	28.9	109	85.2	19	14.8	81	63.3	28	21.9	10	7.8	9	7.0	128
	Subtotal	303	67.8	144	32.2	371	83.0	76	17.0	266	59.5	105	23.5	37	8.3	39	8.7	447
2014	Level 1	107	63.7	61	36.3	142	84.5	26	15.5	98	58.3	44	26.2	9	5.4	17	10.1	168
	Level 2	104	64.6	57	35.4	132	82.0	29	18.0	90	55.9	42	26.1	14	8.7	15	9.3	161
	Level 3	93	67.9	44	32.1	113	82.5	24	17.5	82	59.9	31	22.6	11	8.0	13	9.5	137
	Subtotal	304	65.2	162	34.8	387	83.0	79	17.0	270	57.9	117	25.1	34	7.3	45	9.7	466
2015	Level 1	110	65.5	58	34.5	129	76.8	39	23.2	87	51.8	42	25.0	23	13.7	16	9.5	168
	Level 2	106	63.5	61	36.5	142	85.0	25	15.0	98	58.7	44	26.3	8	4.8	17	10.2	167
	Level 3	98	66.7	49	33.3	118	80.3	29	19.7	83	56.5	35	23.8	15	10.2	14	9.5	147
	Subtotal	314	65.1	168	34.9	389	80.7	93	19.3	268	55.6	121	25.1	46	9.5	47	9.8	482
2016	Level 1	139	74.3	48	25.7	151	80.7	36	19.3	120	64.2	31	16.6	19	10.2	17	9.1	187
	Level 2	104	65.4	55	34.6	127	79.9	32	20.1	84	52.8	43	27.0	20	12.6	12	7.5	159
	Level 3	100	63.7	57	36.3	135	86.0	22	14.0	93	59.2	42	26.8	7	4.5	15	9.6	157
	Subtotal	343	68.2	160	31.8	413	82.1	90	17.9	297	59.0	116	23.1	46	9.1	44	8.7	503
2017	Level 1	118	61.8	73	38.2	147	77.0	44	23.0	93	48.7	54	28.3	25	13.1	19	9.9	191
	Level 2	136	74.3	47	25.7	150	82.0	33	18.0	118	64.5	32	17.5	18	9.8	15	8.2	183
	Level 3	95	66.4	48	33.6	111	77.6	32	22.4	75	52.4	36	25.2	20	14.0	12	8.4	143
	Subtotal	349	67.5	168	32.5	408	78.9	109	21.1	286	55.3	122	23.6	63	12.2	46	8.9	517
2018	Level 1	138	73.0	51	27.0	147	77.8	42	22.2	108	57.1	39	20.6	30	15.9	12	6.3	189
	Level 2	116	62.4	70	37.6	143	76.9	43	23.1	92	49.5	51	27.4	24	12.9	19	10.2	186
	Level 3	127	75.6	41	24.4	136	81.0	32	19.0	110	65.5	26	15.5	17	10.1	15	8.9	168
	Subtotal	381	70.2	162	29.8	426	78.5	117	21.5	310	57.1	116	21.4	71	13.1	46	8.5	543

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Emergency Medicine programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1. Tracking data for Pediatric Emergency Medicine primarily include diplomates from the ABP but may include diplomates from the American Board of Emergency Medicine.

Figure 4.6.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Emergency Medicine Programs Since 2003 by Gender

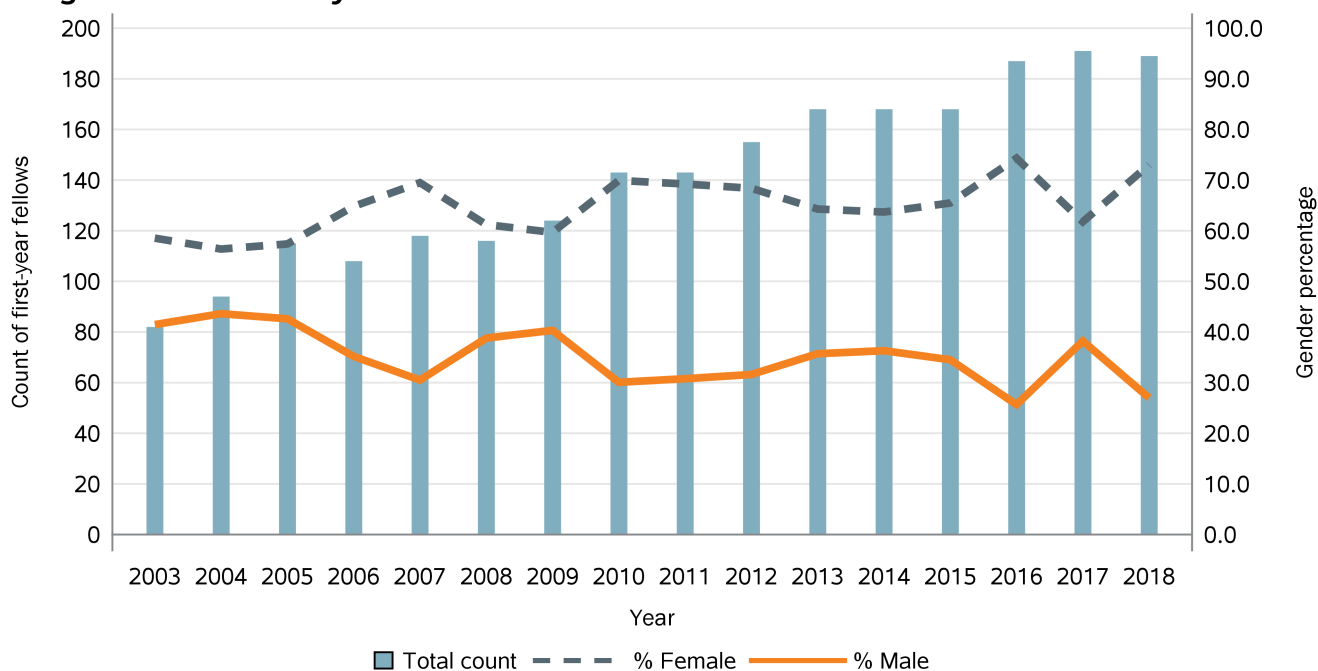
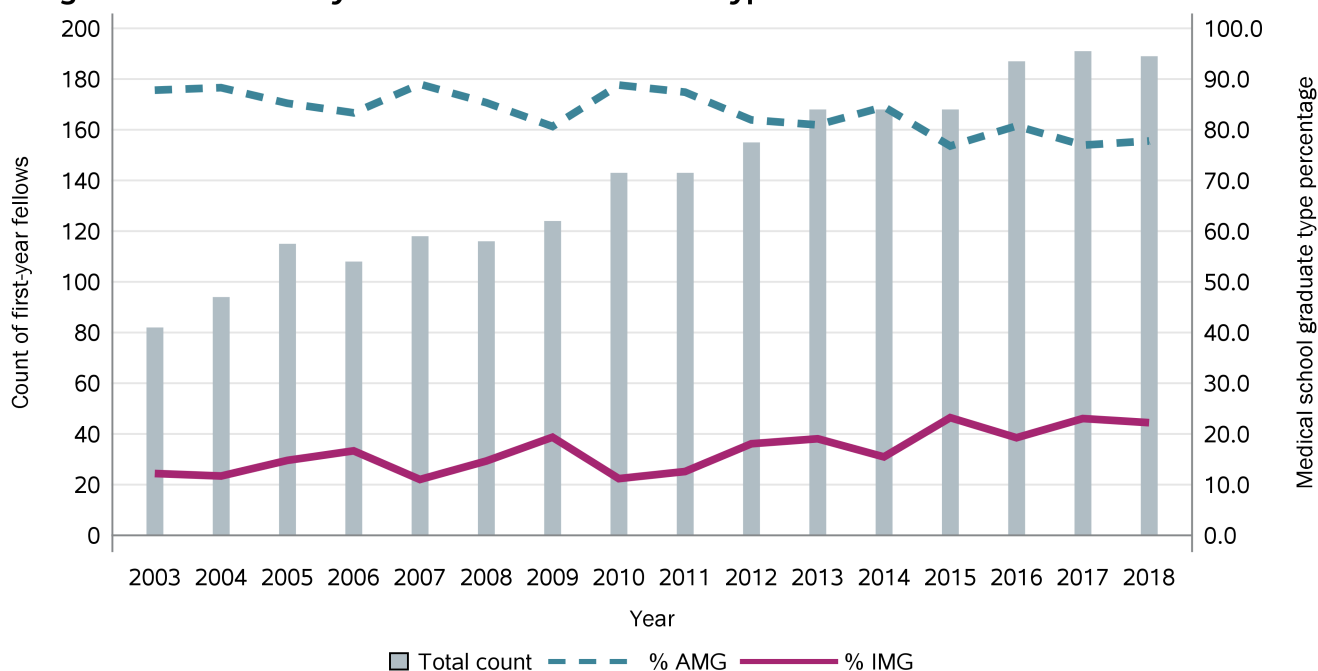


Figure 4.6.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Emergency Medicine Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.6.4.

4.7. Pediatric Endocrinology

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Table 4.7.1. All Pediatric Endocrinology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=488)		Time-limited/ no end date (n=1,261)		Lapsed (n=180)		Revoked (n=7)		Total (n=1,936)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	334	26.5	13	7.2	0	0.0	347	17.9
41 to 50	0	0.0	512	40.6	36	20.0	0	0.0	548	28.3
51 to 60	0	0.0	281	22.3	46	25.6	1	14.3	328	16.9
61 to 70	132	27.0	127	10.1	71	39.4	2	28.6	332	17.1
71 to 80	213	43.6	7	0.6	11	6.1	3	42.9	234	12.1
81 to 90	85	17.4	0	0.0	3	1.7	0	0.0	88	4.5
> 90	22	4.5	0	0.0	0	0.0	1	14.3	23	1.2
No birth year available	36	7.4	0	0.0	0	0.0	0	0.0	36	1.9
Gender										
Female	149	30.5	897	71.1	98	54.4	0	0.0	1,144	59.1
Male	339	69.5	364	28.9	82	45.6	7	100.0	792	40.9
Medical school graduate type										
AMG	336	68.9	856	67.9	119	66.1	6	85.7	1,317	68.0
IMG	152	31.1	405	32.1	61	33.9	1	14.3	619	32.0

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Endocrinology since certification was first awarded in 1978 (n=1,936).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 1.9% of Pediatric Endocrinology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.7.2. All Pediatric Endocrinology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=132)		Time-limited/ no end date (n=1,254)		Lapsed (n=166)		Revoked (n=3)		Total (n=1,555)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	334	26.6	13	7.8	0	0.0	347	22.3
41 to 50	0	0.0	512	40.8	36	21.7	0	0.0	548	35.2
51 to 60	0	0.0	281	22.4	46	27.7	1	33.3	328	21.1
61 to 70	132	100.0	127	10.1	71	42.8	2	66.7	332	21.4
Gender										
Female	59	44.7	894	71.3	92	55.4	0	0.0	1,045	67.2
Male	73	55.3	360	28.7	74	44.6	3	100.0	510	32.8
Medical school graduate type										
AMG	111	84.1	852	67.9	113	68.1	2	66.7	1,078	69.3
IMG	21	15.9	402	32.1	53	31.9	1	33.3	477	30.7

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Endocrinology since certification was first awarded in 1978 (n=1,555).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 1.9% of Pediatric Endocrinology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.7.3. US-Based Pediatric Endocrinology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	13	84,265.2	1.2
Alaska	184,928	4	46,232.0	2.2
Arizona	1,633,486	26	62,826.4	1.6
Arkansas	705,540	8	88,192.5	1.1
California	9,059,950	170	53,293.8	1.9
Colorado	1,261,831	26	48,532.0	2.1
Connecticut	743,826	30	24,794.2	4.0
Delaware	204,484	4	51,121.0	2.0
District of Columbia	124,492	5	24,898.4	4.0
Florida	4,201,974	87	48,298.6	2.1
Georgia	2,514,381	19	132,335.8	0.8
Hawaii	305,744	4	76,436.0	1.3
Idaho	443,792	3	147,930.7	0.7
Illinois	2,897,059	49	59,123.7	1.7
Indiana	1,573,409	21	74,924.2	1.3
Iowa	731,947	10	73,194.7	1.4
Kansas	712,538	18	39,585.4	2.5
Kentucky	1,010,537	14	72,181.2	1.4
Louisiana	1,108,402	9	123,155.8	0.8
Maine	252,634	5	50,526.8	2.0
Maryland	1,347,506	57	23,640.5	4.2
Massachusetts	1,369,953	69	19,854.4	5.0
Michigan	2,176,649	40	54,416.2	1.8
Minnesota	1,298,657	29	44,781.3	2.2
Mississippi	713,563	5	142,712.6	0.7
Missouri	1,382,874	30	46,095.8	2.2
Montana	228,889	2	114,444.5	0.9
Nebraska	475,733	5	95,146.6	1.1
Nevada	685,463	3	228,487.7	0.4
New Hampshire	258,773	10	25,877.3	3.9
New Jersey	1,978,999	65	30,446.1	3.3
New Mexico	488,090	1	488,090.0	0.2
New York	4,154,497	132	31,473.5	3.2
North Carolina	2,302,313	41	56,154.0	1.8
North Dakota	175,771	1	175,771.0	0.6
Ohio	2,605,235	57	45,705.9	2.2
Oklahoma	959,226	12	79,935.5	1.3
Oregon	873,619	19	45,979.9	2.2
Pennsylvania	2,664,515	68	39,184.0	2.6
Rhode Island	207,332	11	18,848.4	5.3
South Carolina	1,104,265	15	73,617.7	1.4
South Dakota	214,856	6	35,809.3	2.8
Tennessee	1,507,500	36	41,875.0	2.4
Texas	7,365,951	109	67,577.5	1.5
Utah	926,699	9	102,966.6	1.0
Vermont	116,825	3	38,941.7	2.6
Virginia	1,869,162	38	49,188.5	2.0
Washington	1,645,811	23	71,557.0	1.4
West Virginia	369,718	5	73,943.6	1.4
Wisconsin	1,282,642	18	71,257.9	1.4
Wyoming	136,483	1	136,483.0	0.7
Total	73,653,971	1,445	50,971.6	2.0

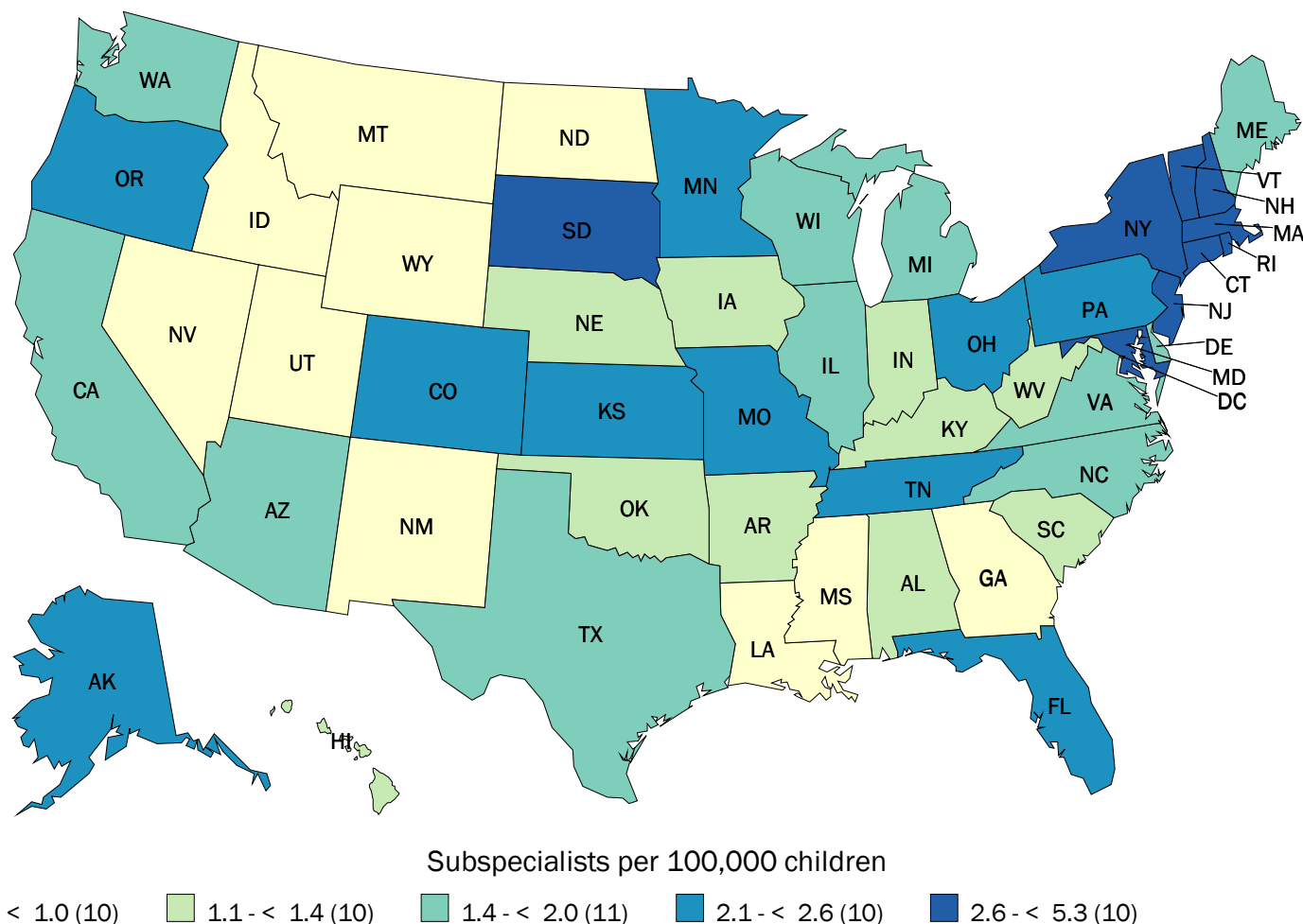
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Endocrinology diplomates ever certified, age 70 and under (n=1,445), among all diplomates ever certified in Pediatric Endocrinology (n=1,936). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Endocrinology subspecialist diplomates ever certified, 491 (25.4%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (345, 17.8%), diplomates for whom birth year data is unavailable (36, 1.9%), diplomates whose address data are unavailable (71, 3.7%) and diplomates with an address outside of the 50 US states (39, 2.0%). While included in this table, approximately 10.7% of US-based Pediatric Endocrinology diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.7.1. Distribution of US-Based Pediatric Endocrinology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Endocrinology diplomates ever certified, age 70 and under (n=1,445), among all diplomates ever certified in Pediatric Endocrinology (n=1,936). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Endocrinology subspecialist diplomates ever certified, 491 (25.4%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (345, 17.8%), diplomates for whom birth year data is unavailable (36, 1.9%), diplomates whose address data are unavailable (71, 3.7%) and diplomates with an address outside of the 50 US states (39, 2.0%). While included in this map, approximately 10.7% of US-based Pediatric Endocrinology diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.7.4 Yearly Count of Pediatric Endocrinology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	49	67.1	24	32.9	50	68.5	23	31.5	33	45.2	17	23.3	16	21.9	7	9.6	73
	Level 2	39	68.4	18	31.6	39	68.4	18	31.6	26	45.6	13	22.8	13	22.8	5	8.8	57
	Level 3	28	63.6	16	36.4	28	63.6	16	36.4	18	40.9	10	22.7	10	22.7	6	13.6	44
	Subtotal	116	66.7	58	33.3	117	67.2	57	32.8	77	44.3	40	23.0	39	22.4	18	10.3	174
2004	Level 1	44	67.7	21	32.3	44	67.7	21	32.3	27	41.5	17	26.2	17	26.2	4	6.2	65
	Level 2	44	67.7	21	32.3	47	72.3	18	27.7	31	47.7	16	24.6	13	20.0	5	7.7	65
	Level 3	38	69.1	17	30.9	34	61.8	21	38.2	21	38.2	13	23.6	17	30.9	4	7.3	55
	Subtotal	126	68.1	59	31.9	125	67.6	60	32.4	79	42.7	46	24.9	47	25.4	13	7.0	185
2005	Level 1	56	80.0	14	20.0	43	61.4	27	38.6	35	50.0	8	11.4	21	30.0	6	8.6	70
	Level 2	45	69.2	20	30.8	43	66.2	22	33.8	26	40.0	17	26.2	19	29.2	3	4.6	65
	Level 3	41	68.3	19	31.7	45	75.0	15	25.0	30	50.0	15	25.0	11	18.3	4	6.7	60
	Subtotal	142	72.8	53	27.2	131	67.2	64	32.8	91	46.7	40	20.5	51	26.2	13	6.7	195
2006	Level 1	54	71.1	22	28.9	49	64.5	27	35.5	35	46.1	14	18.4	19	25.0	8	10.5	76
	Level 2	54	78.3	15	21.7	44	63.8	25	36.2	35	50.7	9	13.0	19	27.5	6	8.7	69
	Level 3	43	68.3	20	31.7	43	68.3	20	31.7	27	42.9	16	25.4	16	25.4	4	6.3	63
	Subtotal	151	72.6	57	27.4	136	65.4	72	34.6	97	46.6	39	18.8	54	26.0	18	8.7	208
2007	Level 1	59	78.7	16	21.3	52	69.3	23	30.7	40	53.3	12	16.0	19	25.3	4	5.3	75
	Level 2	50	68.5	23	31.5	45	61.6	28	38.4	32	43.8	13	17.8	18	24.7	10	13.7	73
	Level 3	54	79.4	14	20.6	43	63.2	25	36.8	35	51.5	8	11.8	19	27.9	6	8.8	68
	Subtotal	163	75.5	53	24.5	140	64.8	76	35.2	107	49.5	33	15.3	56	25.9	20	9.3	216
2008	Level 1	76	85.4	13	14.6	60	67.4	29	32.6	54	60.7	6	6.7	22	24.7	7	7.9	89
	Level 2	62	80.5	15	19.5	51	66.2	26	33.8	40	51.9	11	14.3	22	28.6	4	5.2	77
	Level 3	49	67.1	24	32.9	45	61.6	28	38.4	31	42.5	14	19.2	18	24.7	10	13.7	73
	Subtotal	187	78.2	52	21.8	156	65.3	83	34.7	125	52.3	31	13.0	62	25.9	21	8.8	239
2009	Level 1	64	85.3	11	14.7	58	77.3	17	22.7	50	66.7	8	10.7	14	18.7	3	4.0	75
	Level 2	74	88.1	10	11.9	56	66.7	28	33.3	51	60.7	5	6.0	23	27.4	5	6.0	84
	Level 3	60	80.0	15	20.0	54	72.0	21	28.0	42	56.0	12	16.0	18	24.0	3	4.0	75
	Subtotal	198	84.6	36	15.4	168	71.8	66	28.2	143	61.1	25	10.7	55	23.5	11	4.7	234
2010	Level 1	76	82.6	16	17.4	64	69.6	28	30.4	52	56.5	12	13.0	24	26.1	4	4.3	92
	Level 2	62	87.3	9	12.7	51	71.8	20	28.2	44	62.0	7	9.9	18	25.4	2	2.8	71
	Level 3	70	87.5	10	12.5	54	67.5	26	32.5	49	61.3	5	6.3	21	26.3	5	6.3	80
	Subtotal	208	85.6	35	14.4	169	69.5	74	30.5	145	59.7	24	9.9	63	25.9	11	4.5	243
2011	Level 1	66	75.9	21	24.1	51	58.6	36	41.4	40	46.0	11	12.6	26	29.9	10	11.5	87
	Level 2	75	85.2	13	14.8	63	71.6	25	28.4	52	59.1	11	12.5	23	26.1	2	2.3	88
	Level 3	57	85.1	10	14.9	50	74.6	17	25.4	43	64.2	7	10.4	14	20.9	3	4.5	67
	Subtotal	198	81.8	44	18.2	164	67.8	78	32.2	135	55.8	29	12.0	63	26.0	15	6.2	242
2012	Level 1	68	77.3	20	22.7	59	67.0	29	33.0	48	54.5	11	12.5	20	22.7	9	10.2	88
	Level 2	61	76.3	19	23.8	47	58.8	33	41.3	37	46.3	10	12.5	24	30.0	9	11.3	80
	Level 3	73	84.9	13	15.1	61	70.9	25	29.1	50	58.1	11	12.8	23	26.7	2	2.3	86
	Subtotal	202	79.5	52	20.5	167	65.7	87	34.3	135	53.1	32	12.6	67	26.4	20	7.9	254
2013	Level 1	68	81.0	16	19.0	54	64.3	30	35.7	45	53.6	9	10.7	23	27.4	7	8.3	84
	Level 2	66	76.7	20	23.3	59	68.6	27	31.4	47	54.7	12	14.0	19	22.1	8	9.3	86
	Level 3	60	76.9	18	23.1	45	57.7	33	42.3	36	46.2	9	11.5	24	30.8	9	11.5	78
	Subtotal	194	78.2	54	21.8	158	63.7	90	36.3	128	51.6	30	12.1	66	26.6	24	9.7	248
2014	Level 1	60	70.6	25	29.4	44	51.8	41	48.2	29	34.1	15	17.6	31	36.5	10	11.8	85
	Level 2	60	80.0	15	20.0	50	66.7	25	33.3	41	54.7	9	12.0	19	25.3	6	8.0	75
	Level 3	67	77.0	20	23.0	58	66.7	29	33.3	46	52.9	12	13.8	21	24.1	8	9.2	87
	Subtotal	187	75.7	60	24.3	152	61.5	95	38.5	116	47.0	36	14.6	71	28.7	24	9.7	247
2015	Level 1	69	78.4	19	21.6	52	59.1	36	40.9	45	51.1	7	8.0	24	27.3	12	13.6	88
	Level 2	56	71.8	22	28.2	42	53.8	36	46.2	28	35.9	14	17.9	28	35.9	8	10.3	78
	Level 3	61	80.3	15	19.7	51	67.1	25	32.9	42	55.3	9	11.8	19	25.0	6	7.9	76
	Subtotal	186	76.9	56	23.1	145	59.9	97	40.1	115	47.5	30	12.4	71	29.3	26	10.7	242
2016	Level 1	63	77.8	18	22.2	43	53.1	38	46.9	34	42.0	9	11.1	29	35.8	9	11.1	81
	Level 2	65	78.3	18	21.7	49	59.0	34	41.0	42	50.6	7	8.4	23	27.7	11	13.3	83
	Level 3	57	73.1	21	26.9	43	55.1	35	44.9	29	37.2	14	17.9	28	35.9	7	9.0	78
	Subtotal	185	76.4	57	23.6	135	55.8	107	44.2	105	43.4	30	12.4	80	33.1	27	11.2	242
2017	Level 1	65	79.3	17	20.7	52	63.4	30	36.6	40	48.8	12	14.6	25	30.5	5	6.1	82
	Level 2	63	77.8	18	22.2	43	53.1	38	46.9	34	42.0	9	11.1	29	35.8	9	11.1	81
	Level 3	62	78.5	17	21.5	47	59.5	32	40.5	41	51.9	6	7.6	21	26.6	11	13.9	79
	Subtotal	190	78.5	52	21.5	142	58.7	100	41.3	115	47.5	27	11.2	75	31.0	25	10.3	242
2018	Level 1	69	84.1	13	15.9	46	56.1	36	43.9	39	47.6	7	8.5	30	36.6	6	7.3	82
	Level 2	65	81.3	15	18.8	51	63.8	29	36.3	40	50.0	11	13.8	25	31.3	4	5.0	80
	Level 3	63	77.8	18	22.2	44	54.3	37	45.7	35	43.2	9	11.1	28	34.6	9	11.1	81
	Subtotal	197	81.1	46	18.9	141	58.0	102	42.0	114	46.9	27	11.1	83	34.2	19	7.8	243

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Endocrinology programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.7.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Endocrinology Programs Since 2003 by Gender

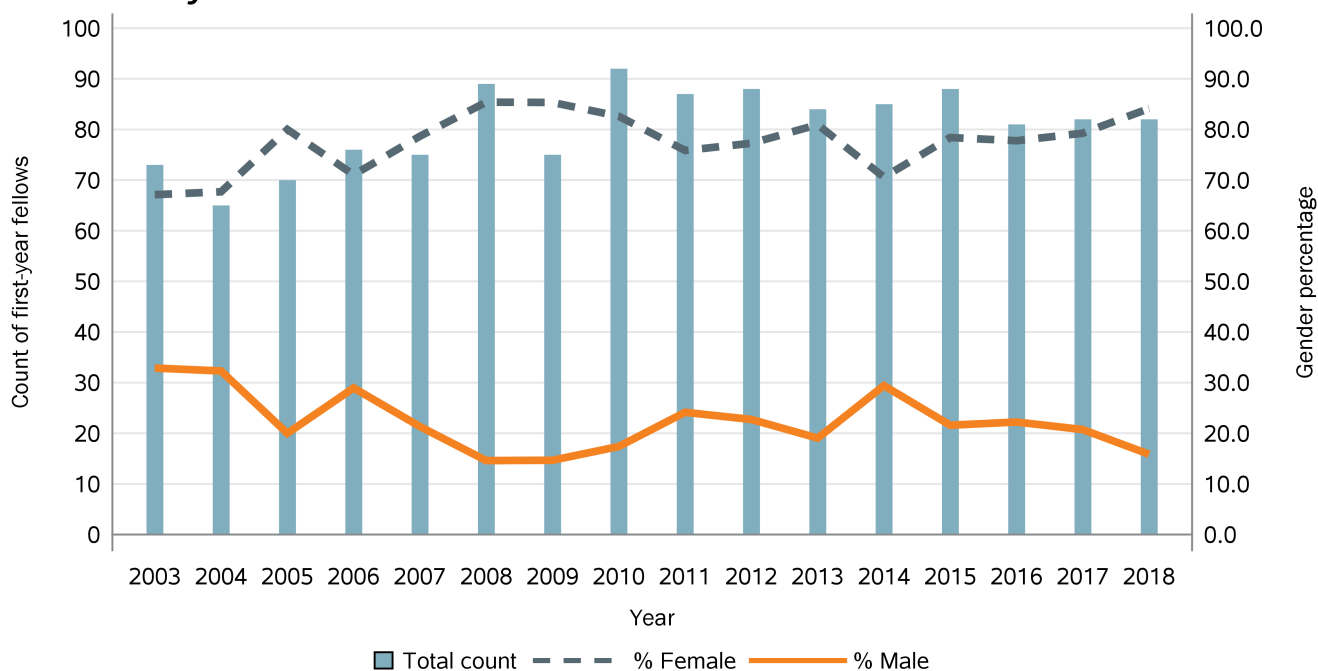
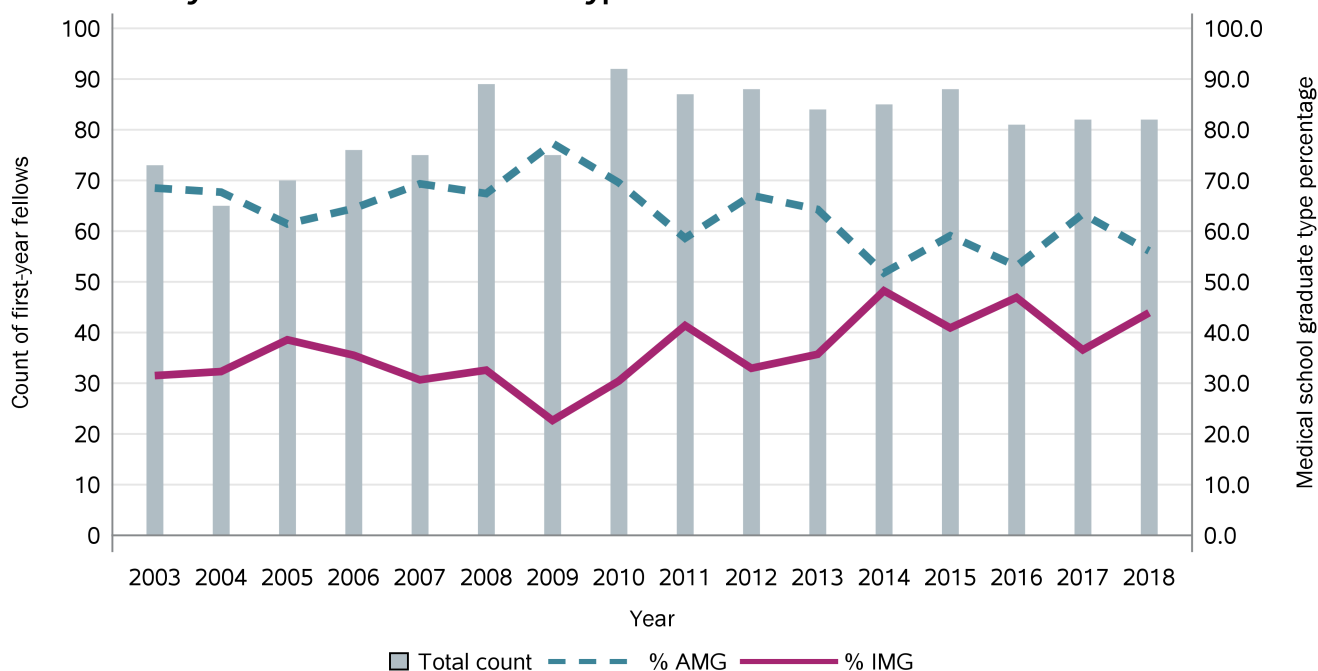


Figure 4.7.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Endocrinology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.7.4.

4.8. Pediatric Gastroenterology

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Table 4.8.1. All Pediatric Gastroenterology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,548)		Lapsed (n=294)		Revoked (n=2)		Total (n=1,844)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	382	24.7	16	5.4	0	0.0	398	21.6
41 to 50	0	0.0	557	36.0	34	11.6	1	50.0	592	32.1
51 to 60	0	0.0	319	20.6	54	18.4	0	0.0	373	20.2
61 to 70	0	0.0	245	15.8	100	34.0	0	0.0	345	18.7
71 to 80	0	0.0	45	2.9	63	21.4	1	50.0	109	5.9
81 to 90	0	0.0	0	0.0	26	8.8	0	0.0	26	1.4
> 90	0	0.0	0	0.0	1	0.3	0	0.0	1	0.1
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	714	46.1	85	28.9	0	0.0	799	43.3
Male	0	0.0	834	53.9	209	71.1	2	100.0	1,045	56.7
Medical school graduate type										
AMG	0	0.0	1,040	67.2	197	67.0	0	0.0	1,237	67.1
IMG	0	0.0	508	32.8	97	33.0	2	100.0	607	32.9

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Gastroenterology since certification was first awarded in 1990 (n=1,844).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Gastroenterology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.8.2. All Pediatric Gastroenterology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,503)		Lapsed (n=204)		Revoked (n=1)		Total (n=1,708)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	382	25.4	16	7.8	0	0.0	398	23.3
41 to 50	0	0.0	557	37.1	34	16.7	1	100.0	592	34.7
51 to 60	0	0.0	319	21.2	54	26.5	0	0.0	373	21.8
61 to 70	0	0.0	245	16.3	100	49.0	0	0.0	345	20.2
Gender										
Female	0	0.0	709	47.2	73	35.8	0	0.0	782	45.8
Male	0	0.0	794	52.8	131	64.2	1	100.0	926	54.2
Medical school graduate type										
AMG	0	0.0	1,002	66.7	129	63.2	0	0.0	1,131	66.2
IMG	0	0.0	501	33.3	75	36.8	1	100.0	577	33.8

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Gastroenterology since certification was first awarded in 1990 (n=1,708).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Gastroenterology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.8.3. US-Based Pediatric Gastroenterology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	17	64,438.1	1.6
Alaska	184,928	3	61,642.7	1.6
Arizona	1,633,486	26	62,826.4	1.6
Arkansas	705,540	4	176,385.0	0.6
California	9,059,950	176	51,477.0	1.9
Colorado	1,261,831	36	35,050.9	2.9
Connecticut	743,826	20	37,191.3	2.7
Delaware	204,484	7	29,212.0	3.4
District of Columbia	124,492	6	20,748.7	4.8
Florida	4,201,974	90	46,688.6	2.1
Georgia	2,514,381	37	67,956.2	1.5
Hawaii	305,744	7	43,677.7	2.3
Idaho	443,792	4	110,948.0	0.9
Illinois	2,897,059	54	53,649.2	1.9
Indiana	1,573,409	26	60,515.7	1.7
Iowa	731,947	13	56,303.6	1.8
Kansas	712,538	17	41,914.0	2.4
Kentucky	1,010,537	7	144,362.4	0.7
Louisiana	1,108,402	19	58,336.9	1.7
Maine	252,634	9	28,070.4	3.6
Maryland	1,347,506	49	27,500.1	3.6
Massachusetts	1,369,953	100	13,699.5	7.3
Michigan	2,176,649	40	54,416.2	1.8
Minnesota	1,298,657	28	46,380.6	2.2
Mississippi	713,563	8	89,195.4	1.1
Missouri	1,382,874	36	38,413.2	2.6
Montana	228,889	4	57,222.3	1.7
Nebraska	475,733	8	59,466.6	1.7
Nevada	685,463	9	76,162.6	1.3
New Hampshire	258,773	8	32,346.6	3.1
New Jersey	1,978,999	69	28,681.1	3.5
New Mexico	488,090	7	69,727.1	1.4
New York	4,154,497	125	33,236.0	3.0
North Carolina	2,302,313	45	51,162.5	2.0
North Dakota	175,771	1	175,771.0	0.6
Ohio	2,605,235	95	27,423.5	3.6
Oklahoma	959,226	9	106,580.7	0.9
Oregon	873,619	14	62,401.4	1.6
Pennsylvania	2,664,515	95	28,047.5	3.6
Rhode Island	207,332	6	34,555.3	2.9
South Carolina	1,104,265	11	100,387.7	1.0
South Dakota	214,856	5	42,971.2	2.3
Tennessee	1,507,500	29	51,982.8	1.9
Texas	7,365,951	124	59,402.8	1.7
Utah	926,699	16	57,918.7	1.7
Vermont	116,825	3	38,941.7	2.6
Virginia	1,869,162	38	49,188.5	2.0
Washington	1,645,811	23	71,557.0	1.4
West Virginia	369,718	4	92,429.5	1.1
Wisconsin	1,282,642	31	41,375.5	2.4
Wyoming	136,483	0	-	-
Total	73,653,971	1,618	45,521.6	2.2

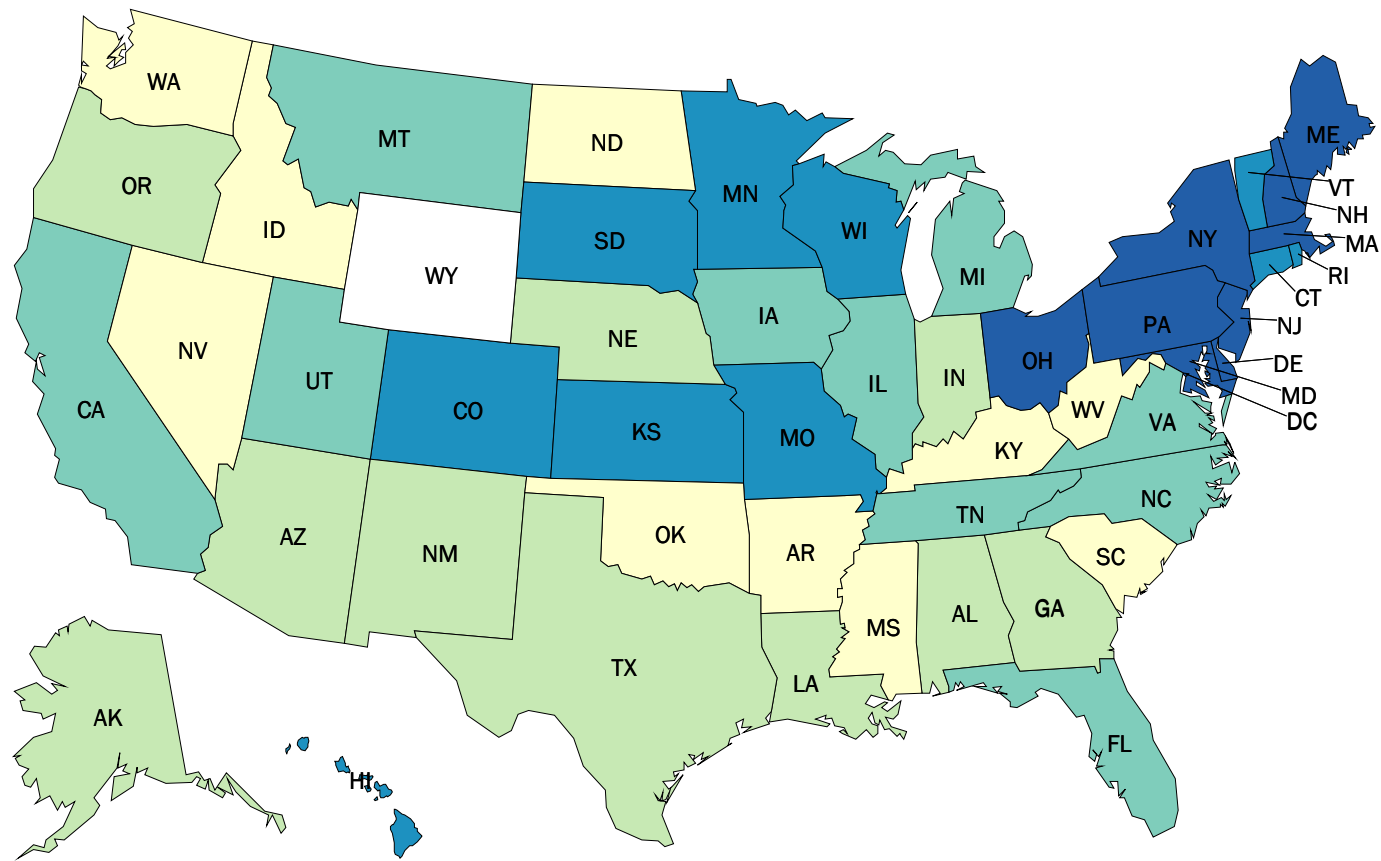
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Gastroenterology diplomates ever certified, age 70 and under (n=1,618), among all diplomates ever certified in Pediatric Gastroenterology (n=1,844). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Gastroenterology subspecialist diplomates ever certified, 226 (12.3%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (136, 7.4%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (49, 2.7%) and diplomates with an address outside of the 50 US states (41, 2.2%). While included in this table, approximately 11.9% of US-based Pediatric Gastroenterology diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.8.1. Distribution of US-Based Pediatric Gastroenterology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Subspecialists per 100,000 children



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Gastroenterology diplomates ever certified, age 70 and under (n=1,617), among all diplomates ever certified in Pediatric Gastroenterology (n=1,844). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Gastroenterology subspecialist diplomates ever certified, 227 (12.3%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (136, 7.4%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (50, 2.7%) and diplomates with an address outside of the 50 US states (41, 2.2%). While included in this map, approximately 12.0% of US-based Pediatric Gastroenterology diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.8.4 Yearly Count of Pediatric Gastroenterology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	20	34.5	38	65.5	37	63.8	21	36.2	13	22.4	24	41.4	7	12.1	14	24.1	58
	Level 2	23	44.2	29	55.8	32	61.5	20	38.5	13	25.0	19	36.5	10	19.2	10	19.2	52
	Level 3	19	42.2	26	57.8	30	66.7	15	33.3	13	28.9	17	37.8	6	13.3	9	20.0	45
	Subtotal	62	40.0	93	60.0	99	63.9	56	36.1	39	25.2	60	38.7	23	14.8	33	21.3	155
2004	Level 1	32	49.2	33	50.8	45	69.2	20	30.8	20	30.8	25	38.5	12	18.5	8	12.3	65
	Level 2	20	35.1	37	64.9	36	63.2	21	36.8	13	22.8	23	40.4	7	12.3	14	24.6	57
	Level 3	20	41.7	28	58.3	31	64.6	17	35.4	12	25.0	19	39.6	8	16.7	9	18.8	48
	Subtotal	72	42.4	98	57.6	112	65.9	58	34.1	45	26.5	67	39.4	27	15.9	31	18.2	170
2005	Level 1	32	47.1	36	52.9	50	73.5	18	26.5	24	35.3	26	38.2	8	11.8	10	14.7	68
	Level 2	32	50.8	31	49.2	44	69.8	19	30.2	19	30.2	25	39.7	13	20.6	6	9.5	63
	Level 3	18	32.1	38	67.9	35	62.5	21	37.5	13	23.2	22	39.3	5	8.9	16	28.6	56
	Subtotal	82	43.9	105	56.1	129	69.0	58	31.0	56	29.9	73	39.0	26	13.9	32	17.1	187
2006	Level 1	36	50.0	36	50.0	53	73.6	19	26.4	26	36.1	27	37.5	10	13.9	9	12.5	72
	Level 2	31	46.3	36	53.7	48	71.6	19	28.4	23	34.3	25	37.3	8	11.9	11	16.4	67
	Level 3	32	51.6	30	48.4	43	69.4	19	30.6	19	30.6	24	38.7	13	21.0	6	9.7	62
	Subtotal	99	49.3	102	50.7	144	71.6	57	28.4	68	33.8	76	37.8	31	15.4	26	12.9	201
2007	Level 1	37	50.0	37	50.0	49	66.2	25	33.8	25	33.8	24	32.4	12	16.2	13	17.6	74
	Level 2	35	50.0	35	50.0	52	74.3	18	25.7	26	37.1	26	37.1	9	12.9	9	12.9	70
	Level 3	32	48.5	34	51.5	47	71.2	19	28.8	23	34.8	24	36.4	9	13.6	10	15.2	66
	Subtotal	104	49.5	106	50.5	148	70.5	62	29.5	74	35.2	74	35.2	30	14.3	32	15.2	210
2008	Level 1	47	57.3	35	42.7	60	73.2	22	26.8	37	45.1	23	28.0	10	12.2	12	14.6	82
	Level 2	38	50.0	38	50.0	49	64.5	27	35.5	25	32.9	24	31.6	13	17.1	14	18.4	76
	Level 3	37	52.1	34	47.9	54	76.1	17	23.9	28	39.4	26	36.6	9	12.7	8	11.3	71
	Subtotal	122	53.3	107	46.7	163	71.2	66	28.8	90	39.3	73	31.9	32	14.0	34	14.8	229
2009	Level 1	53	63.1	31	36.9	61	72.6	23	27.4	40	47.6	21	25.0	13	15.5	10	11.9	84
	Level 2	46	58.2	33	41.8	58	73.4	21	26.6	37	46.8	21	26.6	9	11.4	12	15.2	79
	Level 3	36	50.0	36	50.0	46	63.9	26	36.1	24	33.3	22	30.6	12	16.7	14	19.4	72
	Subtotal	135	57.4	100	42.6	165	70.2	70	29.8	101	43.0	64	27.2	34	14.5	36	15.3	235
2010	Level 1	51	58.6	36	41.4	61	70.1	26	29.9	40	46.0	21	24.1	11	12.6	15	17.2	87
	Level 2	52	64.2	29	35.8	58	71.6	23	28.4	39	48.1	19	23.5	13	16.0	10	12.3	81
	Level 3	45	59.2	31	40.8	56	73.7	20	26.3	36	47.4	20	26.3	9	11.8	11	14.5	76
	Subtotal	148	60.7	96	39.3	175	71.7	69	28.3	115	47.1	60	24.6	33	13.5	36	14.8	244
2011	Level 1	58	63.7	33	36.3	63	69.2	28	30.8	41	45.1	22	24.2	17	18.7	11	12.1	91
	Level 2	50	56.8	38	43.2	62	70.5	26	29.5	40	45.5	22	25.0	10	11.4	16	18.2	88
	Level 3	55	65.5	29	34.5	62	73.8	22	26.2	42	50.0	20	23.8	13	15.5	9	10.7	84
	Subtotal	163	62.0	100	38.0	187	71.1	76	28.9	123	46.8	64	24.3	40	15.2	36	13.7	263
2012	Level 1	64	68.8	29	31.2	66	71.0	27	29.0	47	50.5	19	20.4	17	18.3	10	10.8	93
	Level 2	56	61.5	35	38.5	63	69.2	28	30.8	40	44.0	23	25.3	16	17.6	12	13.2	91
	Level 3	51	57.3	38	42.7	63	70.8	26	29.2	41	46.1	22	24.7	10	11.2	16	18.0	89
	Subtotal	171	62.6	102	37.4	192	70.3	81	29.7	128	46.9	64	23.4	43	15.8	38	13.9	273
2013	Level 1	60	63.2	35	36.8	54	56.8	41	43.2	43	45.3	11	11.6	17	17.9	24	25.3	95
	Level 2	64	68.8	29	31.2	66	71.0	27	29.0	47	50.5	19	20.4	17	18.3	10	10.8	93
	Level 3	56	62.9	33	37.1	61	68.5	28	31.5	40	44.9	21	23.6	16	18.0	12	13.5	89
	Subtotal	180	65.0	97	35.0	181	65.3	96	34.7	130	46.9	51	18.4	50	18.1	46	16.6	277
2014	Level 1	58	61.7	36	38.3	57	60.6	37	39.4	36	38.3	21	22.3	22	23.4	15	16.0	94
	Level 2	58	63.7	33	36.3	53	58.2	38	41.8	42	46.2	11	12.1	16	17.6	22	24.2	91
	Level 3	64	68.1	30	31.9	66	70.2	28	29.8	47	50.0	19	20.2	17	18.1	11	11.7	94
	Subtotal	180	64.5	99	35.5	176	63.1	103	36.9	125	44.8	51	18.3	55	19.7	48	17.2	279
2015	Level 1	72	70.6	30	29.4	78	76.5	24	23.5	57	55.9	21	20.6	15	14.7	9	8.8	102
	Level 2	58	63.0	34	37.0	56	60.9	36	39.1	36	39.1	20	21.7	22	23.9	14	15.2	92
	Level 3	57	63.3	33	36.7	52	57.8	38	42.2	41	45.6	11	12.2	16	17.8	22	24.4	90
	Subtotal	187	65.8	97	34.2	186	65.5	98	34.5	134	47.2	52	18.3	53	18.7	45	15.8	284
2016	Level 1	64	63.4	37	36.6	70	69.3	31	30.7	43	42.6	27	26.7	21	20.8	10	9.9	101
	Level 2	72	70.6	30	29.4	77	75.5	25	24.5	57	55.9	20	19.6	15	14.7	10	9.8	102
	Level 3	57	62.0	35	38.0	55	59.8	37	40.2	35	38.0	20	21.7	22	23.9	15	16.3	92
	Subtotal	193	65.4	102	34.6	202	68.5	93	31.5	135	45.8	67	22.7	58	19.7	35	11.9	295
2017	Level 1	67	65.0	36	35.0	71	68.9	32	31.1	50	48.5	21	20.4	17	16.5	15	14.6	103
	Level 2	63	61.8	39	38.2	72	70.6	30	29.4	43	42.2	29	28.4	20	19.6	10	9.8	102
	Level 3	72	72.0	28	28.0	75	75.0	25	25.0	57	57.0	18	18.0	15	15.0	10	10.0	100
	Subtotal	202	66.2	103	33.8	218	71.5	87	28.5	150	49.2	68	22.3	52	17.0	35	11.5	305
2018	Level 1	73	64.6	40	35.4	87	77.0	26	23.0	59	52.2	28	24.8	14	12.4	12	10.6	113
	Level 2	66	65.3	35	34.7	70	69.3	31	30.7	50	49.5	20	19.8	16	15.8	15	14.9	101
	Level 3	63	62.4	38	37.6	72	71.3	29	28.7	43	42.6	29	28.7	20	19.8	9	8.9	101
	Subtotal	202	64.1	113	35.9	229	72.7	86	27.3	152	48.3	77	24.4	50	15.9	36	11.4	315

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Gastroenterology programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.8.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Gastroenterology Programs Since 2003 by Gender

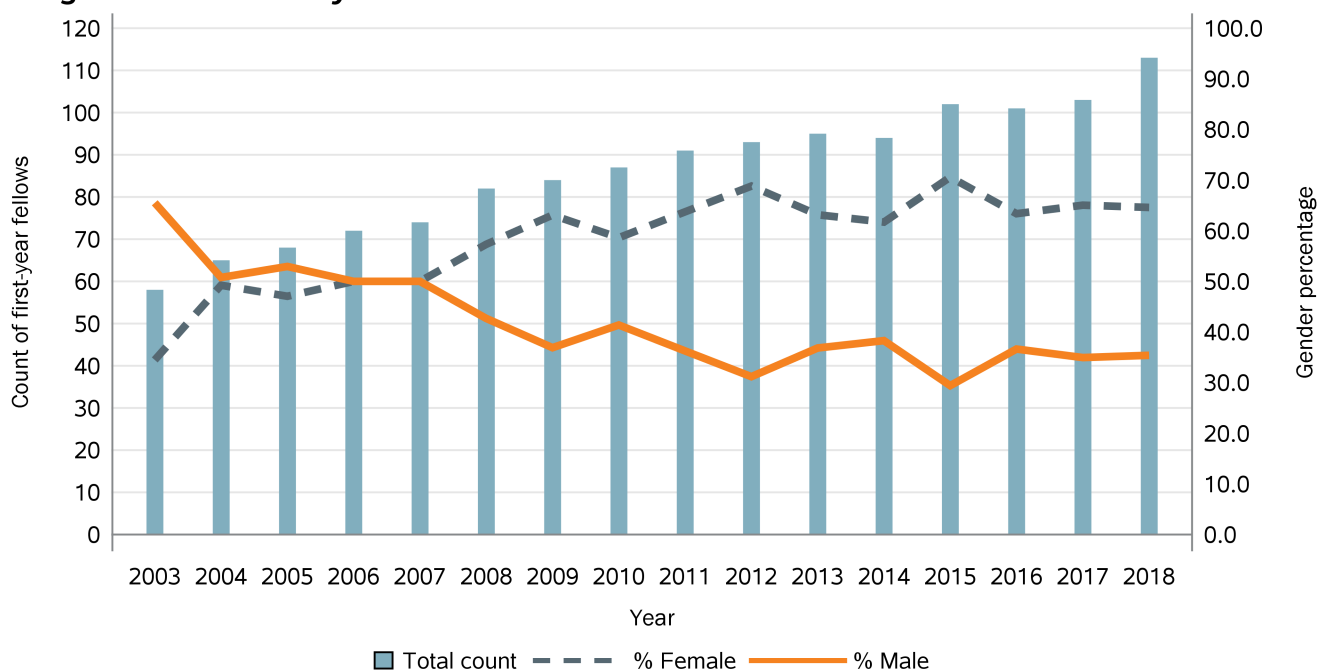
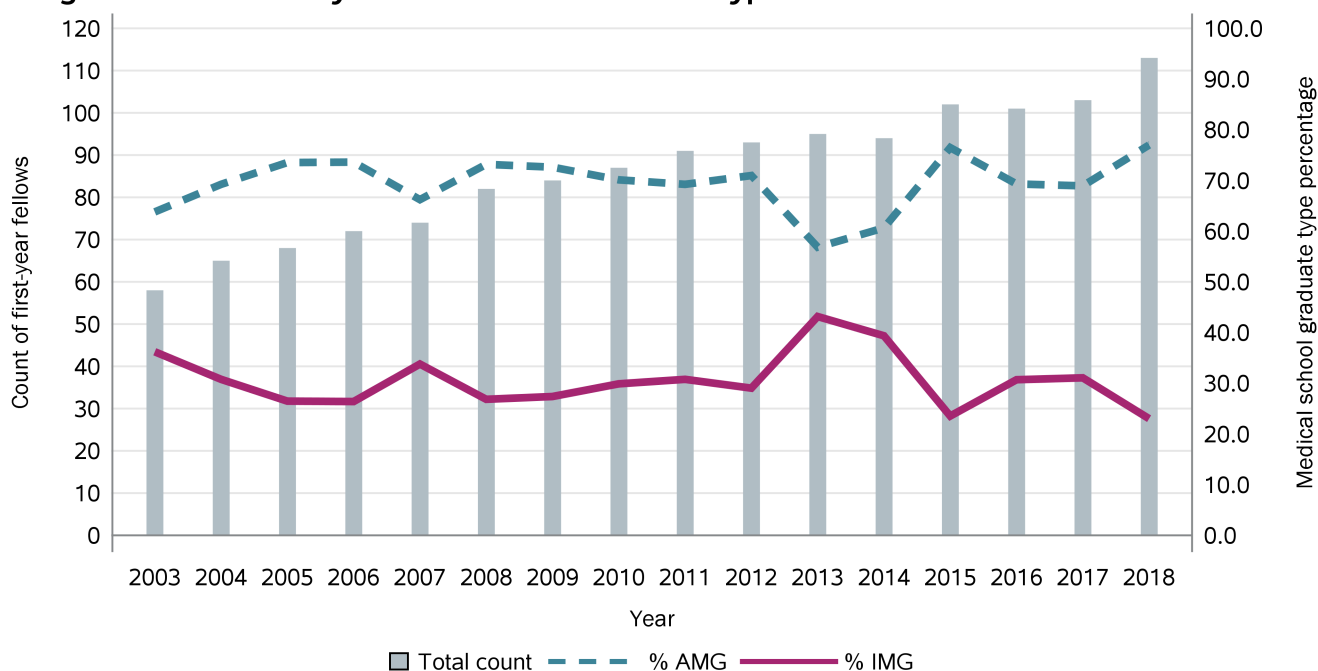


Figure 4.8.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Gastroenterology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.8.4.

4.9. Pediatric Hematology-Oncology

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Table 4.9.1. All Pediatric Hematology-Oncology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=838)		Time-limited/ no end date (n=2,029)		Lapsed (n=416)		Revoked (n=5)		Total (n=3,288)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	437	21.5	32	7.7	0	0.0	469	14.3
41 to 50	0	0.0	825	40.7	96	23.1	0	0.0	921	28.0
51 to 60	0	0.0	557	27.5	128	30.8	1	20.0	686	20.9
61 to 70	232	27.7	202	10.0	139	33.4	0	0.0	573	17.4
71 to 80	386	46.1	8	0.4	19	4.6	4	80.0	417	12.7
81 to 90	113	13.5	0	0.0	2	0.5	0	0.0	115	3.5
> 90	21	2.5	0	0.0	0	0.0	0	0.0	21	0.6
No birth year available	86	10.3	0	0.0	0	0.0	0	0.0	86	2.6
Gender										
Female	268	32.0	1,117	55.1	192	46.2	1	20.0	1,578	48.0
Male	570	68.0	912	44.9	224	53.8	4	80.0	1,710	52.0
Medical school graduate type										
AMG	521	62.2	1,528	75.3	276	66.3	5	100.0	2,330	70.9
IMG	317	37.8	501	24.7	140	33.7	0	0.0	958	29.1

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Hematology-Oncology since certification was first awarded in 1974 (n=3,288).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 2.6% of Pediatric Hematology-Oncology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.9.2. All Pediatric Hematology-Oncology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=232)		Time-limited/ no end date (n=2,021)		Lapsed (n=395)		Revoked (n=1)		Total (n=2,649)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	437	21.6	32	8.1	0	0.0	469	17.7
41 to 50	0	0.0	825	40.8	96	24.3	0	0.0	921	34.8
51 to 60	0	0.0	557	27.6	128	32.4	1	100.0	686	25.9
61 to 70	232	100.0	202	10.0	139	35.2	0	0.0	573	21.6
Gender										
Female	89	38.4	1,114	55.1	183	46.3	0	0.0	1,386	52.3
Male	143	61.6	907	44.9	212	53.7	1	100.0	1,263	47.7
Medical school graduate type										
AMG	203	87.5	1,524	75.4	267	67.6	1	100.0	1,995	75.3
IMG	29	12.5	497	24.6	128	32.4	0	0.0	654	24.7

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Hematology-Oncology since certification was first awarded in 1974 (n=2,649).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 2.6% of Pediatric Hematology-Oncology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.9.3. US-Based Pediatric Hematology-Oncology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	19	57,655.2	1.7
Alaska	184,928	4	46,232.0	2.2
Arizona	1,633,486	28	58,338.8	1.7
Arkansas	705,540	13	54,272.3	1.8
California	9,059,950	280	32,357.0	3.1
Colorado	1,261,831	53	23,808.1	4.2
Connecticut	743,826	37	20,103.4	5.0
Delaware	204,484	4	51,121.0	2.0
District of Columbia	124,492	20	6,224.6	16.1
Florida	4,201,974	107	39,270.8	2.5
Georgia	2,514,381	78	32,235.7	3.1
Hawaii	305,744	10	30,574.4	3.3
Idaho	443,792	5	88,758.4	1.1
Illinois	2,897,059	75	38,627.5	2.6
Indiana	1,573,409	40	39,335.2	2.5
Iowa	731,947	13	56,303.6	1.8
Kansas	712,538	17	41,914.0	2.4
Kentucky	1,010,537	15	67,369.1	1.5
Louisiana	1,108,402	15	73,893.5	1.4
Maine	252,634	12	21,052.8	4.7
Maryland	1,347,506	104	12,956.8	7.7
Massachusetts	1,369,953	119	11,512.2	8.7
Michigan	2,176,649	58	37,528.4	2.7
Minnesota	1,298,657	49	26,503.2	3.8
Mississippi	713,563	10	71,356.3	1.4
Missouri	1,382,874	41	33,728.6	3.0
Montana	228,889	3	76,296.3	1.3
Nebraska	475,733	11	43,248.5	2.3
Nevada	685,463	6	114,243.8	0.9
New Hampshire	258,773	3	86,257.7	1.2
New Jersey	1,978,999	75	26,386.7	3.8
New Mexico	488,090	11	44,371.8	2.3
New York	4,154,497	176	23,605.1	4.2
North Carolina	2,302,313	71	32,426.9	3.1
North Dakota	175,771	3	58,590.3	1.7
Ohio	2,605,235	120	21,710.3	4.6
Oklahoma	959,226	12	79,935.5	1.3
Oregon	873,619	28	31,200.7	3.2
Pennsylvania	2,664,515	132	20,185.7	5.0
Rhode Island	207,332	6	34,555.3	2.9
South Carolina	1,104,265	22	50,193.9	2.0
South Dakota	214,856	5	42,971.2	2.3
Tennessee	1,507,500	92	16,385.9	6.1
Texas	7,365,951	224	32,883.7	3.0
Utah	926,699	15	61,779.9	1.6
Vermont	116,825	3	38,941.7	2.6
Virginia	1,869,162	53	35,267.2	2.8
Washington	1,645,811	66	24,936.5	4.0
West Virginia	369,718	2	184,859.0	0.5
Wisconsin	1,282,642	42	30,539.1	3.3
Wyoming	136,483	0	-	-
Total	73,653,971	2,407	30,599.9	3.3

Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Hematology-Oncology diplomates ever certified, age 70 and under (n=2,407), among all diplomates ever certified in Pediatric Hematology-Oncology (n=3,288). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Hematology-Oncology subspecialist diplomates ever certified, 881 (26.8%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (553, 16.8%), diplomates for whom birth year data is unavailable (86, 2.6%), diplomates whose address data are unavailable (133, 4.0%) and diplomates with an address outside of the 50 US states (109, 3.3%). While included in this table, approximately 14.9% of US-based Pediatric Hematology-Oncology diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.9.4 Yearly Count of Pediatric Hematology-Oncology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training Level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	65	61.3	41	38.7	78	73.6	28	26.4	49	46.2	29	27.4	16	15.1	12	11.3	106
	Level 2	54	51.4	51	48.6	79	75.2	26	24.8	41	39.0	38	36.2	13	12.4	13	12.4	105
	Level 3	43	54.4	36	45.6	60	75.9	19	24.1	32	40.5	28	35.4	11	13.9	8	10.1	79
	Subtotal	162	55.9	128	44.1	217	74.8	73	25.2	122	42.1	95	32.8	40	13.8	33	11.4	290
2004	Level 1	72	60.5	47	39.5	90	75.6	29	24.4	55	46.2	35	29.4	17	14.3	12	10.1	119
	Level 2	63	61.8	39	38.2	77	75.5	25	24.5	49	48.0	28	27.5	14	13.7	11	10.8	102
	Level 3	51	53.7	44	46.3	73	76.8	22	23.2	40	42.1	33	34.7	11	11.6	11	11.6	95
	Subtotal	186	58.9	130	41.1	240	75.9	76	24.1	144	45.6	96	30.4	42	13.3	34	10.8	316
2005	Level 1	70	59.3	48	40.7	92	78.0	26	22.0	53	44.9	39	33.1	17	14.4	9	7.6	118
	Level 2	65	59.1	45	40.9	84	76.4	26	23.6	49	44.5	35	31.8	16	14.5	10	9.1	110
	Level 3	59	60.8	38	39.2	74	76.3	23	23.7	46	47.4	28	28.9	13	13.4	10	10.3	97
	Subtotal	194	59.7	131	40.3	250	76.9	75	23.1	148	45.5	102	31.4	46	14.2	29	8.9	325
2006	Level 1	78	66.1	40	33.9	89	75.4	29	24.6	59	50.0	30	25.4	19	16.1	10	8.5	118
	Level 2	64	56.6	49	43.4	91	80.5	22	19.5	50	44.2	41	36.3	14	12.4	8	7.1	113
	Level 3	66	60.0	44	40.0	86	78.2	24	21.8	51	46.4	35	31.8	15	13.6	9	8.2	110
	Subtotal	208	61.0	133	39.0	266	78.0	75	22.0	160	46.9	106	31.1	48	14.1	27	7.9	341
2007	Level 1	78	58.2	56	41.8	97	72.4	37	27.6	61	45.5	36	26.9	17	12.7	20	14.9	134
	Level 2	75	66.4	38	33.6	87	77.0	26	23.0	57	50.4	30	26.5	18	15.9	8	7.1	113
	Level 3	64	57.7	47	42.3	91	82.0	20	18.0	51	45.9	40	36.0	13	11.7	7	6.3	111
	Subtotal	217	60.6	141	39.4	275	76.8	83	23.2	169	47.2	106	29.6	48	13.4	35	9.8	358
2008	Level 1	75	54.3	63	45.7	94	68.1	44	31.9	51	37.0	43	31.2	24	17.4	20	14.5	138
	Level 2	73	57.0	55	43.0	94	73.4	34	26.6	57	44.5	37	28.9	16	12.5	18	14.1	128
	Level 3	73	66.4	37	33.6	84	76.4	26	23.6	55	50.0	29	26.4	18	16.4	8	7.3	110
	Subtotal	221	58.8	155	41.2	272	72.3	104	27.7	163	43.4	109	29.0	58	15.4	46	12.2	376
2009	Level 1	91	63.6	52	36.4	95	66.4	48	33.6	58	40.6	37	25.9	33	23.1	15	10.5	143
	Level 2	71	54.6	59	45.4	87	66.9	43	33.1	48	36.9	39	30.0	23	17.7	20	15.4	130
	Level 3	75	57.7	55	42.3	96	73.8	34	26.2	59	45.4	37	28.5	16	12.3	18	13.8	130
	Subtotal	237	58.8	166	41.2	278	69.0	125	31.0	165	40.9	113	28.0	72	17.9	53	13.2	403
2010	Level 1	106	69.3	47	30.7	108	70.6	45	29.4	74	48.4	34	22.2	32	20.9	13	8.5	153
	Level 2	81	62.3	49	37.7	89	68.5	41	31.5	54	41.5	35	26.9	27	20.8	14	10.8	130
	Level 3	68	54.4	57	45.6	83	66.4	42	33.6	45	36.0	38	30.4	23	18.4	19	15.2	125
	Subtotal	255	62.5	153	37.5	280	68.6	128	31.4	173	42.4	107	26.2	82	20.1	46	11.3	408
2011	Level 1	95	63.3	55	36.7	107	71.3	43	28.7	69	46.0	38	25.3	26	17.3	17	11.3	150
	Level 2	100	69.9	43	30.1	104	72.7	39	27.3	72	50.3	32	22.4	28	19.6	11	7.7	143
	Level 3	78	61.9	48	38.1	86	68.3	40	31.7	52	41.3	34	27.0	26	20.6	14	11.1	126
	Subtotal	273	65.2	146	34.8	297	70.9	122	29.1	193	46.1	104	24.8	80	19.1	42	10.0	419
2012	Level 1	111	70.3	47	29.7	110	69.6	48	30.4	82	51.9	28	17.7	29	18.4	19	12.0	158
	Level 2	91	63.2	53	36.8	100	69.4	44	30.6	64	44.4	36	25.0	27	18.8	17	11.8	144
	Level 3	98	70.0	42	30.0	101	72.1	39	27.9	69	49.3	32	22.9	29	20.7	10	7.1	140
	Subtotal	300	67.9	142	32.1	311	70.4	131	29.6	215	48.6	96	21.7	85	19.2	46	10.4	442
2013	Level 1	107	64.1	60	35.9	128	76.6	39	23.4	81	48.5	47	28.1	26	15.6	13	7.8	167
	Level 2	110	71.4	44	28.6	106	68.8	48	31.2	80	51.9	26	16.9	30	19.5	18	11.7	154
	Level 3	88	62.0	54	38.0	98	69.0	44	31.0	61	43.0	37	26.1	27	19.0	17	12.0	142
	Subtotal	305	65.9	158	34.1	332	71.7	131	28.3	222	47.9	110	23.8	83	17.9	48	10.4	463
2014	Level 1	115	67.3	56	32.7	128	74.9	43	25.1	92	53.8	36	21.1	23	13.5	20	11.7	171
	Level 2	100	63.3	58	36.7	123	77.8	35	22.2	77	48.7	46	29.1	23	14.6	12	7.6	158
	Level 3	109	71.2	44	28.8	105	68.6	48	31.4	79	51.6	26	17.0	30	19.6	18	11.8	153
	Subtotal	324	67.2	158	32.8	356	73.9	126	26.1	248	51.5	108	22.4	76	15.8	50	10.4	482
2015	Level 1	124	73.4	45	26.6	128	75.7	41	24.3	96	56.8	32	18.9	28	16.6	13	7.7	169
	Level 2	107	67.7	51	32.3	117	74.1	41	25.9	85	53.8	32	20.3	22	13.9	19	12.0	158
	Level 3	98	63.2	57	36.8	122	78.7	33	21.3	77	49.7	45	29.0	21	13.5	12	7.7	155
	Subtotal	329	68.3	153	31.7	367	76.1	115	23.9	258	53.5	109	22.6	71	14.7	44	9.1	482
2016	Level 1	114	67.9	54	32.1	139	82.7	29	17.3	96	57.1	43	25.6	18	10.7	11	6.5	168
	Level 2	122	74.8	41	25.2	127	77.9	36	22.1	97	59.5	30	18.4	25	15.3	11	6.7	163
	Level 3	107	67.7	51	32.3	116	73.4	42	26.6	84	53.2	32	20.3	23	14.6	19	12.0	158
	Subtotal	343	70.1	146	29.9	382	78.1	107	21.9	277	56.6	105	21.5	66	13.5	41	8.4	489
2017	Level 1	114	68.3	53	31.7	137	82.0	30	18.0	89	53.3	48	28.7	25	15.0	5	3.0	167
	Level 2	115	68.9	52	31.1	138	82.6	29	17.4	97	58.1	41	24.6	18	10.8	11	6.6	167
	Level 3	123	75.5	40	24.5	128	78.5	35	21.5	98	60.1	30	18.4	25	15.3	10	6.1	163
	Subtotal	352	70.8	145	29.2	403	81.1	94	18.9	284	57.1	119	23.9	68	13.7	26	5.2	497
2018	Level 1	106	65.8	55	34.2	125	77.6	36	22.4	85	52.8	40	24.8	21	13.0	15	9.3	161
	Level 2	113	67.7	54	32.3	135	80.8	32	19.2	86	51.5	49	29.3	27	16.2	5	3.0	167
	Level 3	115	70.1	49	29.9	136	82.9	28	17.1	95	57.9	41	25.0	20	12.2	8	4.9	164
	Subtotal	334	67.9	158	32.1	396	80.5	96	19.5	266	54.1	130	26.4	68	13.8	28	5.7	492

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Hematology-Oncology programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.9.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Hematology-Oncology Programs Since 2003 by Gender

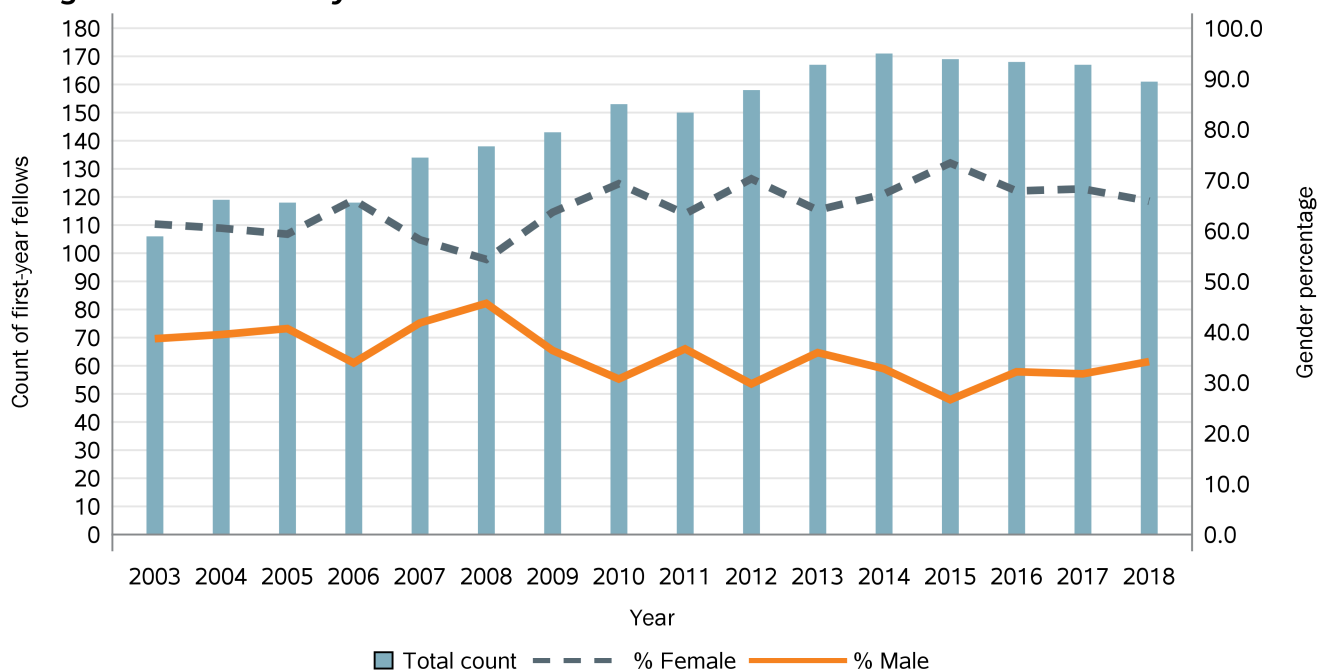
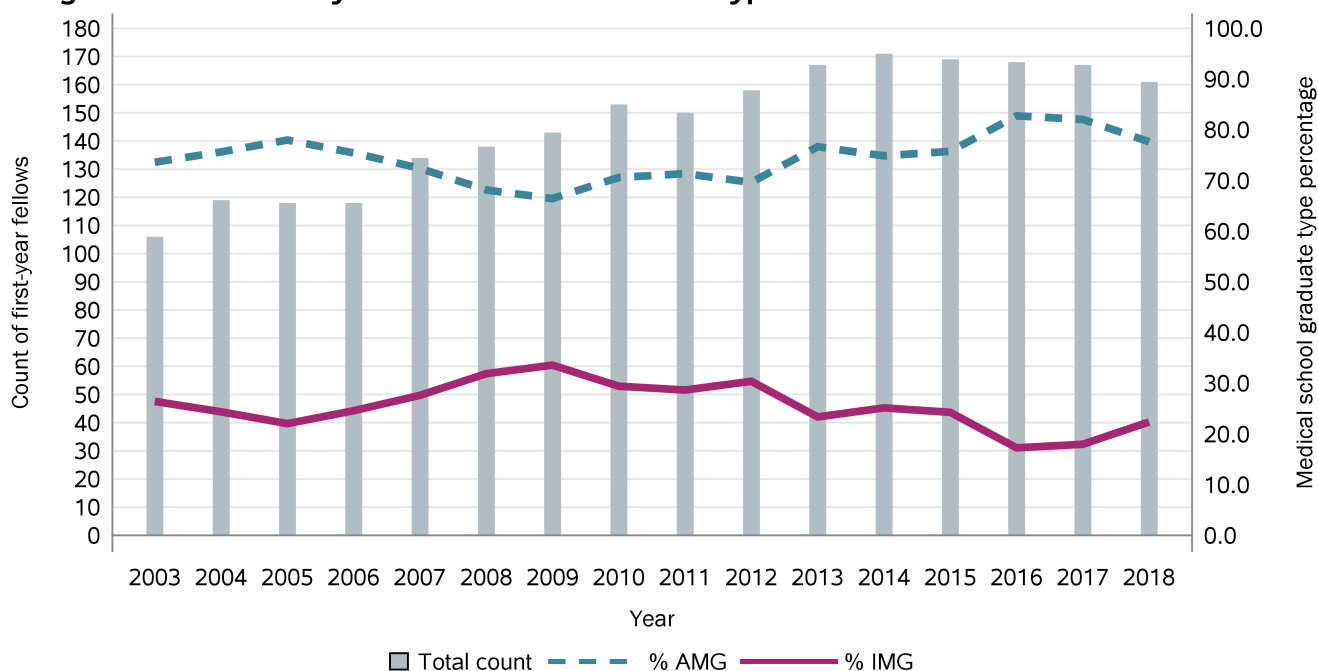


Figure 4.9.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Hematology-Oncology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.9.4.

4.10. Pediatric Infectious Diseases

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Pediatric Infectious Diseases Fellowship Tracking Information

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Table 4.10.1. All Pediatric Infectious Diseases Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,249)		Lapsed (n=418)		Revoked (n=0)		Total (n=1,667)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	242	19.4	6	1.4	0	0.0	248	14.9
41 to 50	0	0.0	411	32.9	39	9.3	0	0.0	450	27.0
51 to 60	0	0.0	301	24.1	107	25.6	0	0.0	408	24.5
61 to 70	0	0.0	236	18.9	120	28.7	0	0.0	356	21.4
71 to 80	0	0.0	56	4.5	121	28.9	0	0.0	177	10.6
81 to 90	0	0.0	3	0.2	24	5.7	0	0.0	27	1.6
> 90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
No birth year available	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1
Gender										
Female	0	0.0	702	56.2	148	35.4	0	0.0	850	51.0
Male	0	0.0	547	43.8	270	64.6	0	0.0	817	49.0
Medical school graduate type										
AMG	0	0.0	931	74.5	307	73.4	0	0.0	1,238	74.3
IMG	0	0.0	318	25.5	111	26.6	0	0.0	429	25.7

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Infectious Diseases since certification was first awarded in 1994 (n=1,667).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.1% of Pediatric Infectious Diseases diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.10.2. All Pediatric Infectious Diseases Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,190)		Lapsed (n=272)		Revoked (n=0)		Total (n=1,462)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	242	20.3	6	2.2	0	0.0	248	17.0
41 to 50	0	0.0	411	34.5	39	14.3	0	0.0	450	30.8
51 to 60	0	0.0	301	25.3	107	39.3	0	0.0	408	27.9
61 to 70	0	0.0	236	19.8	120	44.1	0	0.0	356	24.4
Gender										
Female	0	0.0	681	57.2	115	42.3	0	0.0	796	54.4
Male	0	0.0	509	42.8	157	57.7	0	0.0	666	45.6
Medical school graduate type										
AMG	0	0.0	883	74.2	186	68.4	0	0.0	1,069	73.1
IMG	0	0.0	307	25.8	86	31.6	0	0.0	393	26.9

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Infectious Diseases since certification was first awarded in 1994 (n=1,462).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.1% of Pediatric Infectious Diseases diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.10.3. US-Based Pediatric Infectious Diseases Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	15	73,029.9	1.4
Alaska	184,928	0	-	-
Arizona	1,633,486	14	116,677.6	0.9
Arkansas	705,540	8	88,192.5	1.1
California	9,059,950	166	54,578.0	1.8
Colorado	1,261,831	27	46,734.5	2.1
Connecticut	743,826	17	43,754.5	2.3
Delaware	204,484	3	68,161.3	1.5
District of Columbia	124,492	16	7,780.8	12.9
Florida	4,201,974	70	60,028.2	1.7
Georgia	2,514,381	52	48,353.5	2.1
Hawaii	305,744	7	43,677.7	2.3
Idaho	443,792	2	221,896.0	0.5
Illinois	2,897,059	42	68,977.6	1.4
Indiana	1,573,409	10	157,340.9	0.6
Iowa	731,947	4	182,986.8	0.5
Kansas	712,538	8	89,067.3	1.1
Kentucky	1,010,537	11	91,867.0	1.1
Louisiana	1,108,402	18	61,577.9	1.6
Maine	252,634	5	50,526.8	2.0
Maryland	1,347,506	71	18,979.0	5.3
Massachusetts	1,369,953	62	22,096.0	4.5
Michigan	2,176,649	25	87,066.0	1.1
Minnesota	1,298,657	21	61,840.8	1.6
Mississippi	713,563	4	178,390.8	0.6
Missouri	1,382,874	27	51,217.6	2.0
Montana	228,889	0	-	-
Nebraska	475,733	12	39,644.4	2.5
Nevada	685,463	5	137,092.6	0.7
New Hampshire	258,773	1	258,773.0	0.4
New Jersey	1,978,999	46	43,021.7	2.3
New Mexico	488,090	5	97,618.0	1.0
New York	4,154,497	115	36,126.1	2.8
North Carolina	2,302,313	49	46,986.0	2.1
North Dakota	175,771	4	43,942.8	2.3
Ohio	2,605,235	61	42,708.8	2.3
Oklahoma	959,226	4	239,806.5	0.4
Oregon	873,619	15	58,241.3	1.7
Pennsylvania	2,664,515	65	40,992.5	2.4
Rhode Island	207,332	7	29,618.9	3.4
South Carolina	1,104,265	15	73,617.7	1.4
South Dakota	214,856	3	71,618.7	1.4
Tennessee	1,507,500	42	35,892.9	2.8
Texas	7,365,951	103	71,514.1	1.4
Utah	926,699	11	84,245.4	1.2
Vermont	116,825	4	29,206.3	3.4
Virginia	1,869,162	41	45,589.3	2.2
Washington	1,645,811	31	53,090.7	1.9
West Virginia	369,718	6	61,619.7	1.6
Wisconsin	1,282,642	9	142,515.8	0.7
Wyoming	136,483	0	-	-
Total	73,653,971	1,359	54,197.2	1.8

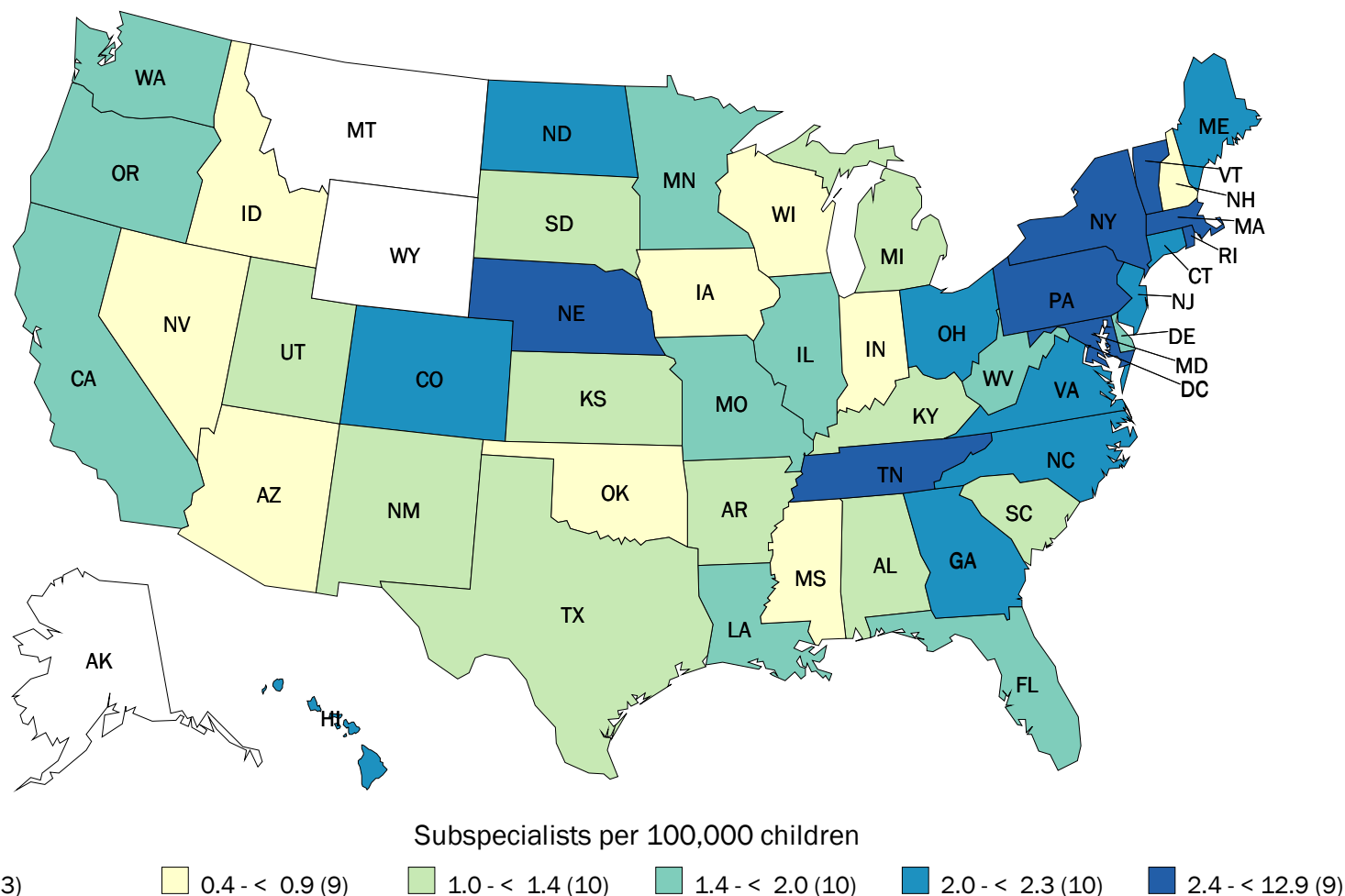
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Infectious Diseases diplomates ever certified, age 70 and under (n=1,359), among all diplomates ever certified in Pediatric Infectious Diseases (n=1,667). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Infectious Diseases subspecialist diplomates ever certified, 308 (18.5%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (204, 12.2%), diplomates for whom birth year data is unavailable (1, 0.1%), diplomates whose address data are unavailable (48, 2.9%) and diplomates with an address outside of the 50 US states (55, 3.3%). While included in this table, approximately 18.6% of US-based Pediatric Infectious Diseases diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.10.1. Distribution of US-Based Pediatric Infectious Diseases Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Infectious Diseases diplomates ever certified, age 70 and under (n=1,359), among all diplomates ever certified in Pediatric Infectious Diseases (n=1,667). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Infectious Diseases subspecialist diplomates ever certified, 308 (18.5%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (204, 12.2%), diplomates for whom birth year data is unavailable (1, 0.1%), diplomates whose address data are unavailable (48, 2.9%) and diplomates with an address outside of the 50 US states (55, 3.3%). While included in this map, approximately 18.6% of US-based Pediatric Infectious Diseases diplomates age 70 and under have lapsed certificates, and 0.0% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.10.4 Yearly Count of Pediatric Infectious Diseases Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	37	62.7	22	37.3	38	64.4	21	35.6	23	39.0	15	25.4	14	23.7	7	11.9	59
	Level 2	27	57.4	20	42.6	28	59.6	19	40.4	16	34.0	12	25.5	11	23.4	8	17.0	47
	Level 3	27	65.9	14	34.1	28	68.3	13	31.7	16	39.0	12	29.3	11	26.8	2	4.9	41
	Subtotal	91	61.9	56	38.1	94	63.9	53	36.1	55	37.4	39	26.5	36	24.5	17	11.6	147
2004	Level 1	33	58.9	23	41.1	41	73.2	15	26.8	23	41.1	18	32.1	10	17.9	5	8.9	56
	Level 2	32	62.7	19	37.3	32	62.7	19	37.3	19	37.3	13	25.5	13	25.5	6	11.8	51
	Level 3	28	57.1	21	42.9	27	55.1	22	44.9	17	34.7	10	20.4	11	22.4	11	22.4	49
	Subtotal	93	59.6	63	40.4	100	64.1	56	35.9	59	37.8	41	26.3	34	21.8	22	14.1	156
2005	Level 1	30	57.7	22	42.3	38	73.1	14	26.9	22	42.3	16	30.8	8	15.4	6	11.5	52
	Level 2	29	55.8	23	44.2	38	73.1	14	26.9	20	38.5	18	34.6	9	17.3	5	9.6	52
	Level 3	31	62.0	19	38.0	31	62.0	19	38.0	19	38.0	12	24.0	12	24.0	7	14.0	50
	Subtotal	90	58.4	64	41.6	107	69.5	47	30.5	61	39.6	46	29.9	29	18.8	18	11.7	154
2006	Level 1	33	54.1	28	45.9	38	62.3	23	37.7	18	29.5	20	32.8	15	24.6	8	13.1	61
	Level 2	29	56.9	22	43.1	37	72.5	14	27.5	21	41.2	16	31.4	8	15.7	6	11.8	51
	Level 3	30	58.8	21	41.2	39	76.5	12	23.5	22	43.1	17	33.3	8	15.7	4	7.8	51
	Subtotal	92	56.4	71	43.6	114	69.9	49	30.1	61	37.4	53	32.5	31	19.0	18	11.0	163
2007	Level 1	36	65.5	19	34.5	31	56.4	24	43.6	15	27.3	16	29.1	21	38.2	3	5.5	55
	Level 2	30	53.6	26	46.4	35	62.5	21	37.5	17	30.4	18	32.1	13	23.2	8	14.3	56
	Level 3	25	53.2	22	46.8	34	72.3	13	27.7	18	38.3	16	34.0	7	14.9	6	12.8	47
	Subtotal	91	57.6	67	42.4	100	63.3	58	36.7	50	31.6	50	31.6	41	25.9	17	10.8	158
2008	Level 1	45	72.6	17	27.4	49	79.0	13	21.0	36	58.1	13	21.0	9	14.5	4	6.5	62
	Level 2	36	65.5	19	34.5	31	56.4	24	43.6	15	27.3	16	29.1	21	38.2	3	5.5	55
	Level 3	26	55.3	21	44.7	29	61.7	18	38.3	15	31.9	14	29.8	11	23.4	7	14.9	47
	Subtotal	107	65.2	57	34.8	109	66.5	55	33.5	66	40.2	43	26.2	41	25.0	14	8.5	164
2009	Level 1	42	71.2	17	28.8	46	78.0	13	22.0	33	55.9	13	22.0	9	15.3	4	6.8	59
	Level 2	42	73.7	15	26.3	45	78.9	12	21.1	34	59.6	11	19.3	8	14.0	4	7.0	57
	Level 3	34	66.7	17	33.3	27	52.9	24	47.1	13	25.5	14	27.5	21	41.2	3	5.9	51
	Subtotal	118	70.7	49	29.3	118	70.7	49	29.3	80	47.9	38	22.8	38	22.8	11	6.6	167
2010	Level 1	38	60.3	25	39.7	47	74.6	16	25.4	26	41.3	21	33.3	12	19.0	4	6.3	63
	Level 2	41	70.7	17	29.3	45	77.6	13	22.4	32	55.2	13	22.4	9	15.5	4	6.9	58
	Level 3	44	72.1	17	27.9	45	73.8	16	26.2	33	54.1	12	19.7	11	18.0	5	8.2	61
	Subtotal	123	67.6	59	32.4	137	75.3	45	24.7	91	50.0	46	25.3	32	17.6	13	7.1	182
2011	Level 1	40	67.8	19	32.2	39	66.1	20	33.9	27	45.8	12	20.3	13	22.0	7	11.9	59
	Level 2	37	62.7	22	37.3	43	72.9	16	27.1	25	42.4	18	30.5	12	20.3	4	6.8	59
	Level 3	38	69.1	17	30.9	42	76.4	13	23.6	29	52.7	13	23.6	9	16.4	4	7.3	55
	Subtotal	115	66.5	58	33.5	124	71.7	49	28.3	81	46.8	43	24.9	34	19.7	15	8.7	173
2012	Level 1	46	75.4	15	24.6	42	68.9	19	31.1	33	54.1	9	14.8	13	21.3	6	9.8	61
	Level 2	38	65.5	20	34.5	39	67.2	19	32.8	26	44.8	13	22.4	12	20.7	7	12.1	58
	Level 3	37	64.9	20	35.1	41	71.9	16	28.1	25	43.9	16	28.1	12	21.1	4	7.0	57
	Subtotal	121	68.8	55	31.3	122	69.3	54	30.7	84	47.7	38	21.6	37	21.0	17	9.7	176
2013	Level 1	41	73.2	15	26.8	39	69.6	17	30.4	28	50.0	11	19.6	13	23.2	4	7.1	56
	Level 2	46	76.7	14	23.3	41	68.3	19	31.7	32	53.3	9	15.0	14	23.3	5	8.3	60
	Level 3	36	63.2	21	36.8	38	66.7	19	33.3	24	42.1	14	24.6	12	21.1	7	12.3	57
	Subtotal	123	71.1	50	28.9	118	68.2	55	31.8	84	48.6	34	19.7	39	22.5	16	9.2	173
2014	Level 1	44	66.7	22	33.3	46	69.7	20	30.3	31	47.0	15	22.7	13	19.7	7	10.6	66
	Level 2	35	67.3	17	32.7	37	71.2	15	28.8	25	48.1	12	23.1	10	19.2	5	9.6	52
	Level 3	43	78.2	12	21.8	38	69.1	17	30.9	30	54.5	8	14.5	13	23.6	4	7.3	55
	Subtotal	122	70.5	51	29.5	121	69.9	52	30.1	86	49.7	35	20.2	36	20.8	16	9.2	173
2015	Level 1	32	64.0	18	36.0	31	62.0	19	38.0	19	38.0	12	24.0	13	26.0	6	12.0	50
	Level 2	44	69.8	19	30.2	43	68.3	20	31.7	31	49.2	12	19.0	13	20.6	7	11.1	63
	Level 3	35	67.3	17	32.7	38	73.1	14	26.9	26	50.0	12	23.1	9	17.3	5	9.6	52
	Subtotal	111	67.3	54	32.7	112	67.9	53	32.1	76	46.1	36	21.8	35	21.2	18	10.9	165
2016	Level 1	42	72.4	16	27.6	38	65.5	20	34.5	25	43.1	13	22.4	17	29.3	3	5.2	58
	Level 2	31	67.4	15	32.6	28	60.9	18	39.1	18	39.1	10	21.7	13	28.3	5	10.9	46
	Level 3	41	67.2	20	32.8	40	65.6	21	34.4	28	45.9	12	19.7	13	21.3	8	13.1	61
	Subtotal	114	69.1	51	30.9	106	64.2	59	35.8	71	43.0	35	21.2	43	26.1	16	9.7	165
2017	Level 1	31	50.0	31	50.0	40	64.5	22	35.5	20	32.3	20	32.3	11	17.7	11	17.7	62
	Level 2	41	71.9	16	28.1	38	66.7	19	33.3	25	43.9	13	22.8	16	28.1	3	5.3	57
	Level 3	29	69.0	13	31.0	26	61.9	16	38.1	17	40.5	9	21.4	12	28.6	4	9.5	42
	Subtotal	101	62.7	60	37.3	104	64.6	57	35.4	62	38.5	42	26.1	39	24.2	18	11.2	161
2018	Level 1	39	65.0	21	35.0	40	66.7	20	33.3	26	43.3	14	23.3	13	21.7	7	11.7	60
	Level 2	30	50.0	30	50.0	41	68.3	19	31.7	20	33.3	21	35.0	10	16.7	9	15.0	60
	Level 3	36	69.2	16	30.8	34	65.4	18	34.6	21	40.4	13	25.0	15	28.8	3	5.8	52
	Subtotal	105	61.0	67	39.0	115	66.9	57	33.1	67	39.0	48	27.9	38	22.1	19	11.0	172

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Infectious Diseases programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.10.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Infectious Diseases Programs Since 2003 by Gender

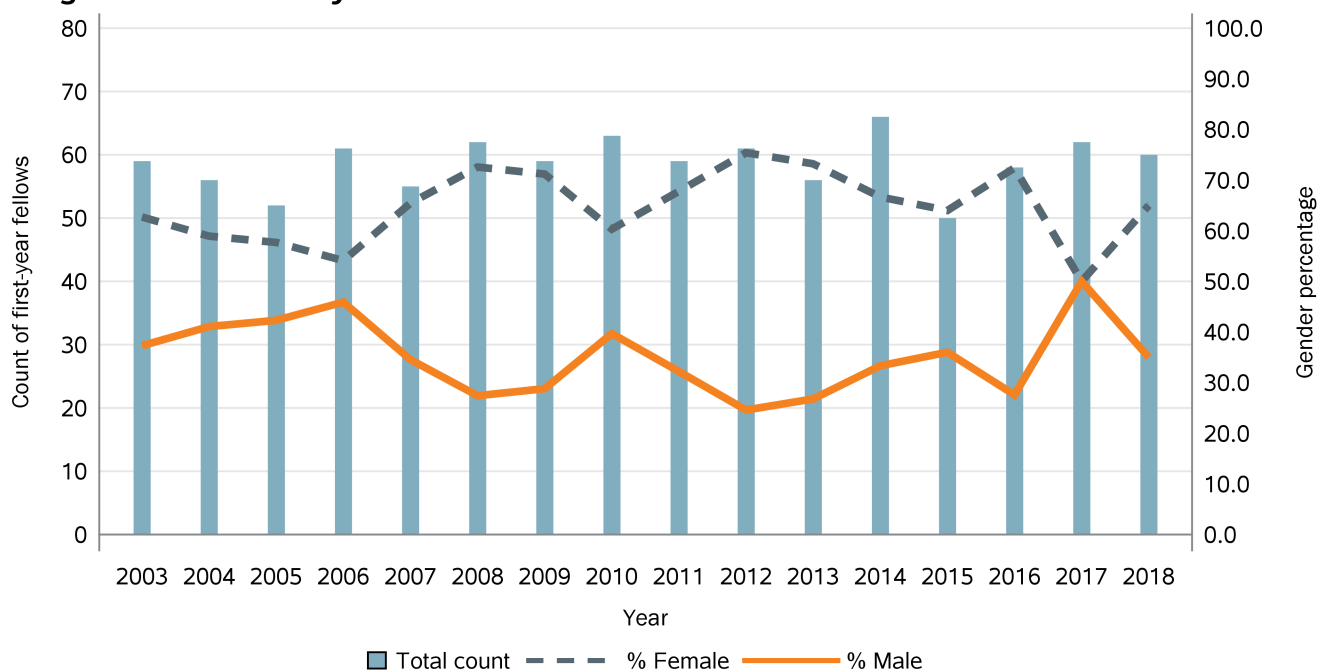
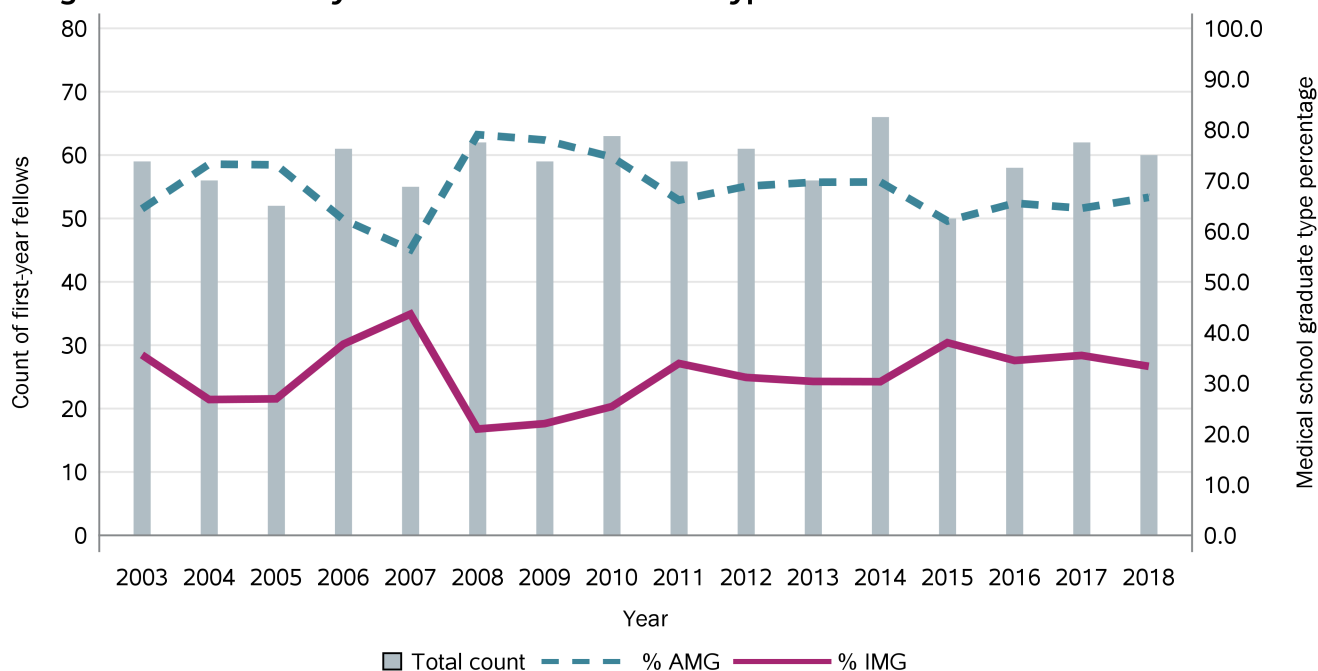


Figure 4.10.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Infectious Diseases Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.10.4.

4.11. Neonatal-Perinatal Medicine

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Neonatal-Perinatal Medicine Fellowship Tracking Information

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Table 4.11.1. All Neonatal-Perinatal Medicine Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=1,909)		Time-limited/ no end date (n=4,470)		Lapsed (n=483)		Revoked (n=18)		Total (n=6,880)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	921	20.6	8	1.7	0	0.0	929	13.5
41 to 50	0	0.0	1,519	34.0	18	3.7	0	0.0	1,537	22.3
51 to 60	2	0.1	1,221	27.3	123	25.5	3	16.7	1,349	19.6
61 to 70	751	39.3	766	17.1	262	54.2	7	38.9	1,786	26.0
71 to 80	912	47.8	43	1.0	66	13.7	6	33.3	1,027	14.9
81 to 90	165	8.6	0	0.0	6	1.2	2	11.1	173	2.5
> 90	18	0.9	0	0.0	0	0.0	0	0.0	18	0.3
No birth year available	61	3.2	0	0.0	0	0.0	0	0.0	61	0.9
Gender										
Female	586	30.7	2,418	54.1	239	49.5	1	5.6	3,244	47.2
Male	1,323	69.3	2,052	45.9	244	50.5	17	94.4	3,636	52.8
Medical school graduate type										
AMG	1,211	63.4	2,687	60.1	227	47.0	9	50.0	4,134	60.1
IMG	698	36.6	1,783	39.9	256	53.0	9	50.0	2,746	39.9

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Neonatal-Perinatal Medicine since certification was first awarded in 1975 (n=6,880).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.9% of Neonatal-Perinatal Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.11.2. All Neonatal-Perinatal Medicine Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=753)		Time-limited/ no end date (n=4,427)		Lapsed (n=411)		Revoked (n=10)		Total (n=5,601)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	921	20.8	8	1.9	0	0.0	929	16.6
41 to 50	0	0.0	1,519	34.3	18	4.4	0	0.0	1,537	27.4
51 to 60	2	0.3	1,221	27.6	123	29.9	3	30.0	1,349	24.1
61 to 70	751	99.7	766	17.3	262	63.7	7	70.0	1,786	31.9
Gender										
Female	280	37.2	2,400	54.2	210	51.1	0	0.0	2,890	51.6
Male	473	62.8	2,027	45.8	201	48.9	10	100.0	2,711	48.4
Medical school graduate type										
AMG	582	77.3	2,677	60.5	212	51.6	6	60.0	3,477	62.1
IMG	171	22.7	1,750	39.5	199	48.4	4	40.0	2,124	37.9

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Neonatal-Perinatal Medicine since certification was first awarded in 1975 (n=5,601).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.9% of Neonatal-Perinatal Medicine diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.11.3. US-Based Neonatal-Perinatal Medicine Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	47	23,307.4	4.3
Alaska	184,928	11	16,811.6	5.9
Arizona	1,633,486	65	25,130.6	4.0
Arkansas	705,540	37	19,068.6	5.2
California	9,059,950	648	13,981.4	7.2
Colorado	1,261,831	78	16,177.3	6.2
Connecticut	743,826	72	10,330.9	9.7
Delaware	204,484	24	8,520.2	11.7
District of Columbia	124,492	21	5,928.2	16.9
Florida	4,201,974	327	12,850.1	7.8
Georgia	2,514,381	126	19,955.4	5.0
Hawaii	305,744	25	12,229.8	8.2
Idaho	443,792	22	20,172.4	5.0
Illinois	2,897,059	270	10,729.8	9.3
Indiana	1,573,409	112	14,048.3	7.1
Iowa	731,947	42	17,427.3	5.7
Kansas	712,538	48	14,844.5	6.7
Kentucky	1,010,537	65	15,546.7	6.4
Louisiana	1,108,402	59	18,786.5	5.3
Maine	252,634	17	14,860.8	6.7
Maryland	1,347,506	140	9,625.0	10.4
Massachusetts	1,369,953	156	8,781.8	11.4
Michigan	2,176,649	120	18,138.7	5.5
Minnesota	1,298,657	70	18,552.2	5.4
Mississippi	713,563	38	18,778.0	5.3
Missouri	1,382,874	104	13,296.9	7.5
Montana	228,889	17	13,464.1	7.4
Nebraska	475,733	29	16,404.6	6.1
Nevada	685,463	43	15,941.0	6.3
New Hampshire	258,773	14	18,483.8	5.4
New Jersey	1,978,999	201	9,845.8	10.2
New Mexico	488,090	31	15,744.8	6.4
New York	4,154,497	347	11,972.6	8.4
North Carolina	2,302,313	148	15,556.2	6.4
North Dakota	175,771	10	17,577.1	5.7
Ohio	2,605,235	195	13,360.2	7.5
Oklahoma	959,226	39	24,595.5	4.1
Oregon	873,619	55	15,884.0	6.3
Pennsylvania	2,664,515	277	9,619.2	10.4
Rhode Island	207,332	13	15,948.6	6.3
South Carolina	1,104,265	60	18,404.4	5.4
South Dakota	214,856	14	15,346.9	6.5
Tennessee	1,507,500	108	13,958.3	7.2
Texas	7,365,951	485	15,187.5	6.6
Utah	926,699	58	15,977.6	6.3
Vermont	116,825	8	14,603.1	6.8
Virginia	1,869,162	172	10,867.2	9.2
Washington	1,645,811	96	17,143.9	5.8
West Virginia	369,718	14	26,408.4	3.8
Wisconsin	1,282,642	92	13,941.8	7.2
Wyoming	136,483	1	136,483.0	0.7
Total	73,653,971	5,271	13,973.4	7.2

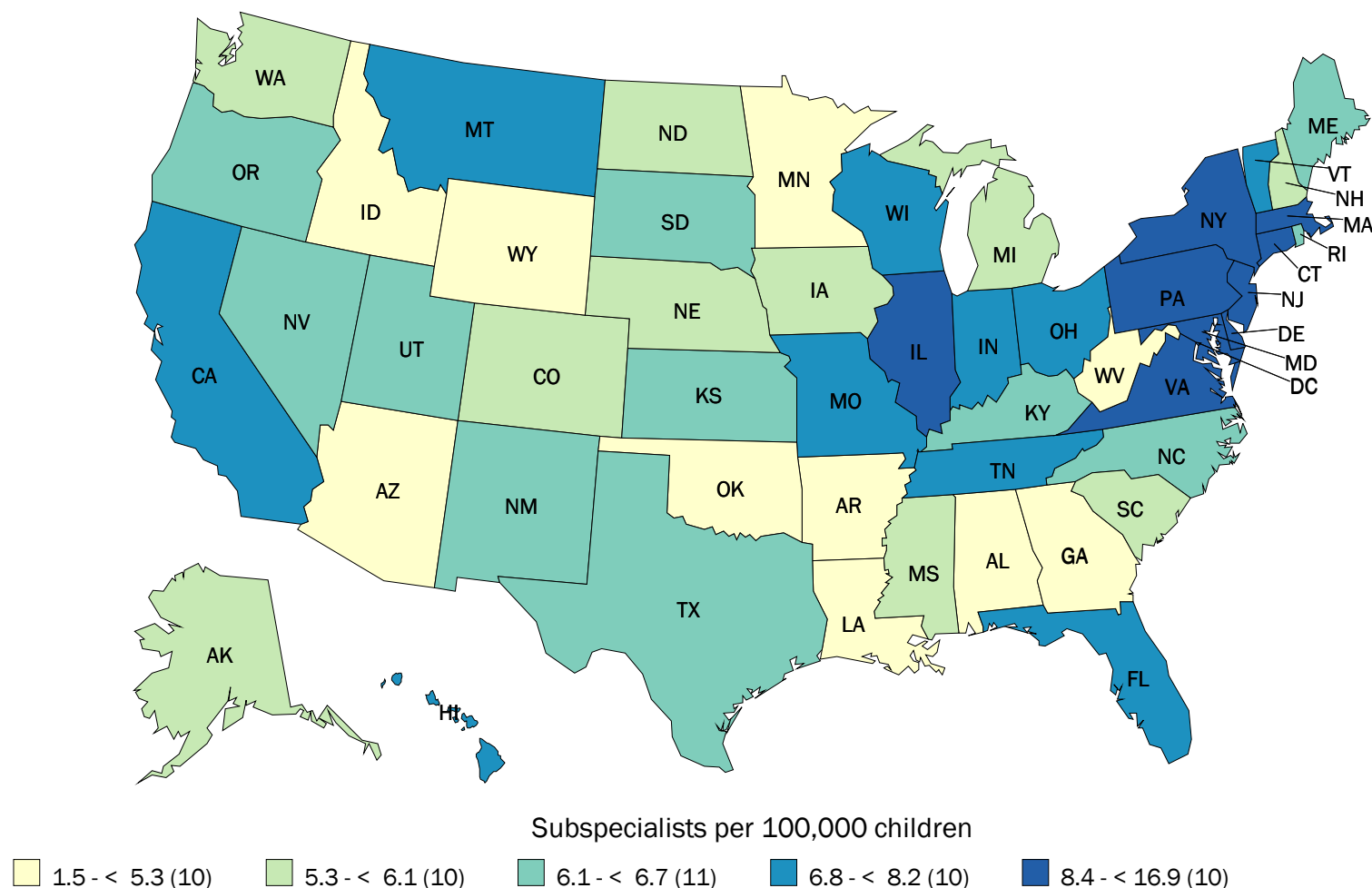
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Neonatal-Perinatal Medicine diplomates ever certified, age 70 and under (n=5,271), among all diplomates ever certified in Neonatal-Perinatal Medicine (n=6,880). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Neonatal-Perinatal Medicine subspecialist diplomates ever certified, 1,609 (23.4%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (1,218, 17.7%), diplomates for whom birth year data is unavailable (61, 0.9%), diplomates whose address data are unavailable (194, 2.8%) and diplomates with an address outside of the 50 US states (136, 2.0%). While included in this table, approximately 7.3% of US-based Neonatal-Perinatal Medicine diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.11.1. Distribution of US-Based Neonatal-Perinatal Medicine Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Neonatal-Perinatal Medicine diplomates ever certified, age 70 and under (n=5,271), among all diplomates ever certified in Neonatal-Perinatal Medicine (n=6,880). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Neonatal-Perinatal Medicine subspecialist diplomates ever certified, 1,609 (23.4%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (1,218, 17.7%), diplomates for whom birth year data is unavailable (61, 0.9%), diplomates whose address data are unavailable (194, 2.8%) and diplomates with an address outside of the 50 US states (136, 2.0%). While included in this map, approximately 7.4% of US-based Neonatal-Perinatal Medicine diplomates age 70 and under have lapsed certificates, and 0.2% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.11.4 Yearly Count of Neonatal-Perinatal Medicine Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	118	60.8	76	39.2	118	60.8	76	39.2	79	40.7	39	20.1	39	20.1	37	19.1	194
	Level 2	79	47.9	86	52.1	102	61.8	63	38.2	46	27.9	56	33.9	33	20.0	30	18.2	165
	Level 3	79	51.0	76	49.0	102	65.8	53	34.2	56	36.1	46	29.7	23	14.8	30	19.4	155
	Subtotal	276	53.7	238	46.3	322	62.6	192	37.4	181	35.2	141	27.4	95	18.5	97	18.9	514
2004	Level 1	105	54.7	87	45.3	122	63.5	70	36.5	71	37.0	51	26.6	34	17.7	36	18.8	192
	Level 2	107	60.5	70	39.5	110	62.1	67	37.9	72	40.7	38	21.5	35	19.8	32	18.1	177
	Level 3	79	48.8	83	51.2	100	61.7	62	38.3	45	27.8	55	34.0	34	21.0	28	17.3	162
	Subtotal	291	54.8	240	45.2	332	62.5	199	37.5	188	35.4	144	27.1	103	19.4	96	18.1	531
2005	Level 1	120	64.2	67	35.8	110	58.8	77	41.2	74	39.6	36	19.3	46	24.6	31	16.6	187
	Level 2	101	56.1	79	43.9	116	64.4	64	35.6	69	38.3	47	26.1	32	17.8	32	17.8	180
	Level 3	103	59.5	70	40.5	107	61.8	66	38.2	70	40.5	37	21.4	33	19.1	33	19.1	173
	Subtotal	324	60.0	216	40.0	333	61.7	207	38.3	213	39.4	120	22.2	111	20.6	96	17.8	540
2006	Level 1	127	61.4	80	38.6	128	61.8	79	38.2	88	42.5	40	19.3	39	18.8	40	19.3	207
	Level 2	117	63.9	66	36.1	107	58.5	76	41.5	71	38.8	36	19.7	46	25.1	30	16.4	183
	Level 3	98	57.3	73	42.7	113	66.1	58	33.9	67	39.2	46	26.9	31	18.1	27	15.8	171
	Subtotal	342	61.0	219	39.0	348	62.0	213	38.0	226	40.3	122	21.7	116	20.7	97	17.3	561
2007	Level 1	126	59.7	85	40.3	123	58.3	88	41.7	83	39.3	40	19.0	43	20.4	45	21.3	211
	Level 2	114	59.7	77	40.3	120	62.8	71	37.2	80	41.9	40	20.9	34	17.8	37	19.4	191
	Level 3	117	62.9	69	37.1	106	57.0	80	43.0	69	37.1	37	19.9	48	25.8	32	17.2	186
	Subtotal	357	60.7	231	39.3	349	59.4	239	40.6	232	39.5	117	19.9	125	21.3	114	19.4	588
2008	Level 1	154	65.0	83	35.0	144	60.8	93	39.2	104	43.9	40	16.9	50	21.1	43	18.1	237
	Level 2	123	59.7	83	40.3	124	60.2	82	39.8	82	39.8	42	20.4	41	19.9	41	19.9	206
	Level 3	110	58.8	77	41.2	119	63.6	68	36.4	79	42.2	40	21.4	31	16.6	37	19.8	187
	Subtotal	387	61.4	243	38.6	387	61.4	243	38.6	265	42.1	122	19.4	122	19.4	121	19.2	630
2009	Level 1	148	66.7	74	33.3	140	63.1	82	36.9	103	46.4	37	16.7	45	20.3	37	16.7	222
	Level 2	144	64.6	79	35.4	134	60.1	89	39.9	96	43.0	38	17.0	48	21.5	41	18.4	223
	Level 3	123	60.3	81	39.7	122	59.8	82	40.2	82	40.2	40	19.6	41	20.1	41	20.1	204
	Subtotal	415	63.9	234	36.1	396	61.0	253	39.0	281	43.3	115	17.7	134	20.6	119	18.3	649
2010	Level 1	144	66.1	74	33.9	141	64.7	77	35.3	105	48.2	36	16.5	39	17.9	38	17.4	218
	Level 2	140	65.1	75	34.9	138	64.2	77	35.8	99	46.0	39	18.1	41	19.1	36	16.7	215
	Level 3	143	65.0	77	35.0	133	60.5	87	39.5	96	43.6	37	16.8	47	21.4	40	18.2	220
	Subtotal	427	65.4	226	34.6	412	63.1	241	36.9	300	45.9	112	17.2	127	19.4	114	17.5	653
2011	Level 1	160	66.7	80	33.3	148	61.7	92	38.3	112	46.7	36	15.0	48	20.0	44	18.3	240
	Level 2	137	66.2	70	33.8	134	64.7	73	35.3	99	47.8	35	16.9	38	18.4	35	16.9	207
	Level 3	139	65.6	73	34.4	137	64.6	75	35.4	99	46.7	38	17.9	40	18.9	35	16.5	212
	Subtotal	436	66.2	223	33.8	419	63.6	240	36.4	310	47.0	109	16.5	126	19.1	114	17.3	659
2012	Level 1	147	62.6	88	37.4	152	64.7	83	35.3	110	46.8	42	17.9	37	15.7	46	19.6	235
	Level 2	151	66.2	77	33.8	145	63.6	83	36.4	110	48.2	35	15.4	41	18.0	42	18.4	228
	Level 3	137	65.6	72	34.4	134	64.1	75	35.9	100	47.8	34	16.3	37	17.7	38	18.2	209
	Subtotal	435	64.7	237	35.3	431	64.1	241	35.9	320	47.6	111	16.5	115	17.1	126	18.8	672
2013	Level 1	161	66.3	82	33.7	154	63.4	89	36.6	114	46.9	40	16.5	47	19.3	42	17.3	243
	Level 2	139	61.5	87	38.5	148	65.5	78	34.5	105	46.5	43	19.0	34	15.0	44	19.5	226
	Level 3	154	67.5	74	32.5	146	64.0	82	36.0	112	49.1	34	14.9	42	18.4	40	17.5	228
	Subtotal	454	65.1	243	34.9	448	64.3	249	35.7	331	47.5	117	16.8	123	17.6	126	18.1	697
2014	Level 1	185	72.0	72	28.0	164	63.8	93	36.2	135	52.5	29	11.3	50	19.5	43	16.7	257
	Level 2	154	65.5	81	34.5	150	63.8	85	36.2	111	47.2	39	16.6	43	18.3	42	17.9	235
	Level 3	138	61.6	86	38.4	147	65.6	77	34.4	105	46.9	42	18.8	33	14.7	44	19.6	224
	Subtotal	477	66.6	239	33.4	461	64.4	255	35.6	351	49.0	110	15.4	126	17.6	129	18.0	716
2015	Level 1	195	74.7	66	25.3	191	73.2	70	26.8	158	60.5	33	12.6	37	14.2	33	12.6	261
	Level 2	179	72.5	68	27.5	158	64.0	89	36.0	129	52.2	29	11.7	50	20.2	39	15.8	247
	Level 3	154	65.5	81	34.5	150	63.8	85	36.2	111	47.2	39	16.6	43	18.3	42	17.9	235
	Subtotal	528	71.1	215	28.9	499	67.2	244	32.8	398	53.6	101	13.6	130	17.5	114	15.3	743
2016	Level 1	183	70.1	78	29.9	178	68.2	83	31.8	142	54.4	36	13.8	41	15.7	42	16.1	261
	Level 2	193	74.5	66	25.5	188	72.6	71	27.4	156	60.2	32	12.4	37	14.3	34	13.1	259
	Level 3	176	72.7	66	27.3	158	65.3	84	34.7	129	53.3	29	12.0	47	19.4	37	15.3	242
	Subtotal	552	72.4	210	27.6	524	68.8	238	31.2	427	56.0	97	12.7	125	16.4	113	14.8	762
2017	Level 1	195	75.6	63	24.4	187	72.5	71	27.5	144	55.8	43	16.7	51	19.8	20	7.8	258
	Level 2	179	69.9	77	30.1	174	68.0	82	32.0	139	54.3	35	13.7	40	15.6	42	16.4	256
	Level 3	193	75.1	64	24.9	185	72.0	72	28.0	154	59.9	31	12.1	39	15.2	33	12.8	257
	Subtotal	567	73.5	204	26.5	546	70.8	225	29.2	437	56.7	109	14.1	130	16.9	95	12.3	771
2018	Level 1	201	75.0	67	25.0	185	69.0	83	31.0	146	54.5	39	14.6	55	20.5	28	10.4	268
	Level 2	191	75.5	62	24.5	183	72.3	70	27.7	141	55.7	42	16.6	50	19.8	20	7.9	253
	Level 3	180	70.6	75	29.4	175	68.6	80	31.4	142	55.7	33	12.9	38	14.9	42	16.5	255
	Subtotal	572	73.7	204	26.3	543	70.0	233	30.0	429	55.3	114	14.7	143	18.4	90	11.6	776

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Infectious Diseases programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.11.2 Yearly Count of First-Year (Level 1) Fellows in Neonatal-Perinatal Medicine Programs Since 2003 by Gender

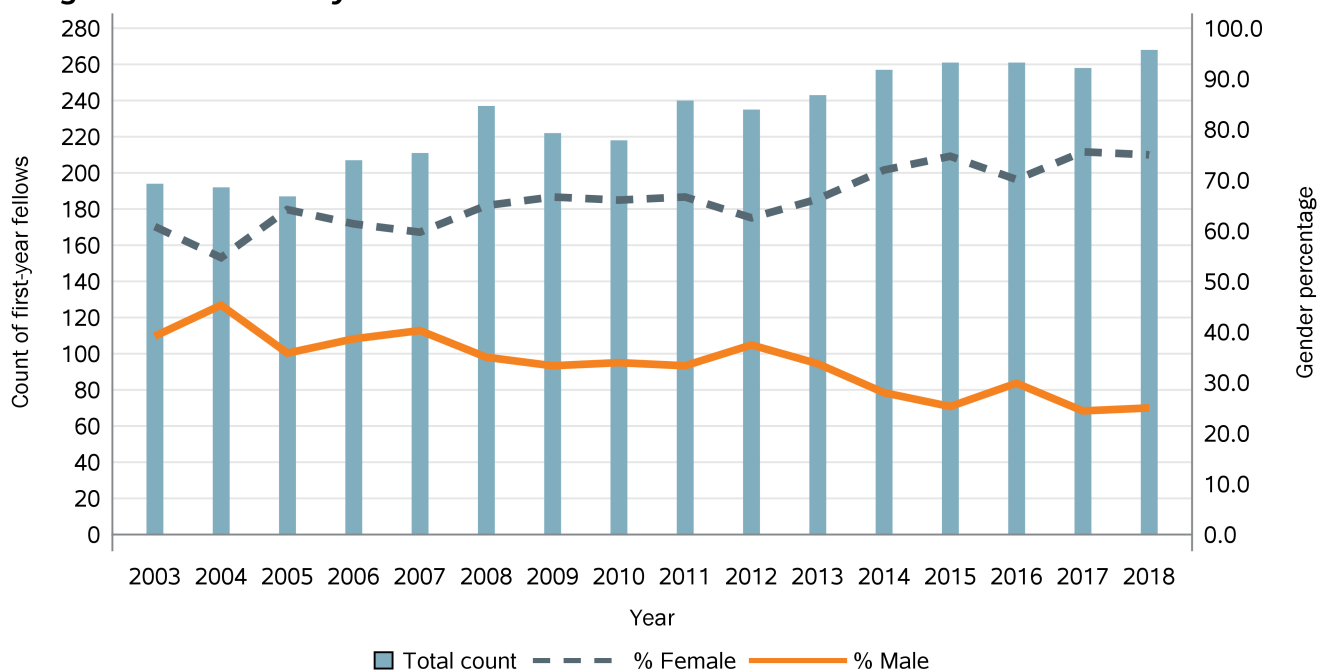
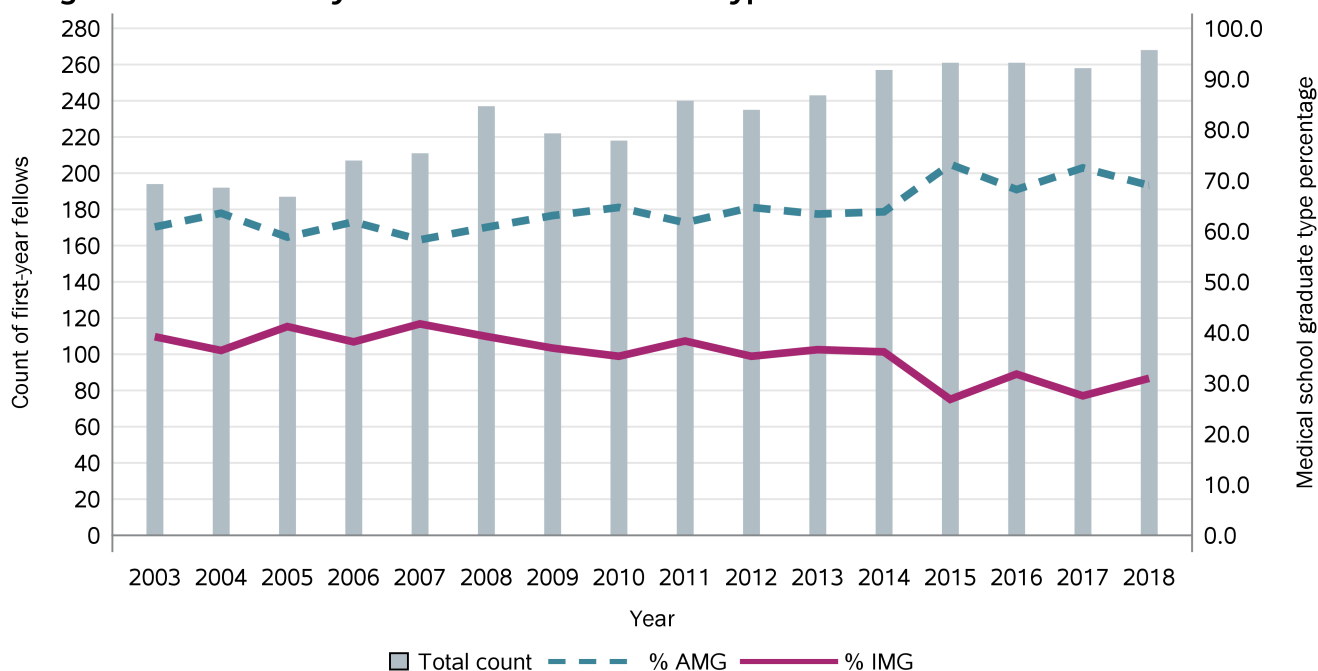


Figure 4.11.3 Yearly Count of First-Year (Level 1) Fellows in Neonatal-Perinatal Medicine Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.11.4.

4.12. Pediatric Nephrology

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Pediatric Nephrology Fellowship Tracking Information

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Table 4.12.1. All Pediatric Nephrology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=349)		Time-limited/ no end date (n=625)		Lapsed (n=97)		Revoked (n=3)		Total (n=1,074)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	143	22.9	2	2.1	0	0.0	145	13.5
41 to 50	0	0.0	251	40.2	11	11.3	0	0.0	262	24.4
51 to 60	0	0.0	148	23.7	40	41.2	0	0.0	188	17.5
61 to 70	59	16.9	76	12.2	39	40.2	3	100.0	177	16.5
71 to 80	184	52.7	7	1.1	5	5.2	0	0.0	196	18.2
81 to 90	56	16.0	0	0.0	0	0.0	0	0.0	56	5.2
> 90	13	3.7	0	0.0	0	0.0	0	0.0	13	1.2
No birth year available	37	10.6	0	0.0	0	0.0	0	0.0	37	3.4
Gender										
Female	70	20.1	359	57.4	47	48.5	0	0.0	476	44.3
Male	279	79.9	266	42.6	50	51.5	3	100.0	598	55.7
Medical school graduate type										
AMG	199	57.0	383	61.3	61	62.9	3	100.0	646	60.1
IMG	150	43.0	242	38.7	36	37.1	0	0.0	428	39.9

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Nephrology since certification was first awarded in 1974 (n=1,074).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 3.4% of Pediatric Nephrology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.12.2. All Pediatric Nephrology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=59)		Time-limited/ no end date (n=618)		Lapsed (n=92)		Revoked (n=3)		Total (n=772)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	143	23.1	2	2.2	0	0.0	145	18.8
41 to 50	0	0.0	251	40.6	11	12.0	0	0.0	262	33.9
51 to 60	0	0.0	148	23.9	40	43.5	0	0.0	188	24.4
61 to 70	59	100.0	76	12.3	39	42.4	3	100.0	177	22.9
Gender										
Female	24	40.7	358	57.9	46	50.0	0	0.0	428	55.4
Male	35	59.3	260	42.1	46	50.0	3	100.0	344	44.6
Medical school graduate type										
AMG	48	81.4	379	61.3	60	65.2	3	100.0	490	63.5
IMG	11	18.6	239	38.7	32	34.8	0	0.0	282	36.5

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Nephrology since certification was first awarded in 1974 (n=772).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 3.4% of Pediatric Nephrology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.12.3. US-Based Pediatric Nephrology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	9	121,716.4	0.8
Alaska	184,928	1	184,928.0	0.5
Arizona	1,633,486	16	102,092.9	1.0
Arkansas	705,540	6	117,590.0	0.9
California	9,059,950	74	122,431.8	0.8
Colorado	1,261,831	10	126,183.1	0.8
Connecticut	743,826	12	61,985.5	1.6
Delaware	204,484	2	102,242.0	1.0
District of Columbia	124,492	5	24,898.4	4.0
Florida	4,201,974	37	113,566.9	0.9
Georgia	2,514,381	12	209,531.8	0.5
Hawaii	305,744	2	152,872.0	0.7
Idaho	443,792	1	443,792.0	0.2
Illinois	2,897,059	30	96,568.6	1.0
Indiana	1,573,409	11	143,037.2	0.7
Iowa	731,947	6	121,991.2	0.8
Kansas	712,538	6	118,756.3	0.8
Kentucky	1,010,537	6	168,422.8	0.6
Louisiana	1,108,402	5	221,680.4	0.5
Maine	252,634	3	84,211.3	1.2
Maryland	1,347,506	27	49,907.6	2.0
Massachusetts	1,369,953	20	68,497.7	1.5
Michigan	2,176,649	27	80,616.6	1.2
Minnesota	1,298,657	14	92,761.2	1.1
Mississippi	713,563	3	237,854.3	0.4
Missouri	1,382,874	17	81,345.5	1.2
Montana	228,889	0	-	-
Nebraska	475,733	5	95,146.6	1.1
Nevada	685,463	2	342,731.5	0.3
New Hampshire	258,773	2	129,386.5	0.8
New Jersey	1,978,999	17	116,411.7	0.9
New Mexico	488,090	4	122,022.5	0.8
New York	4,154,497	50	83,089.9	1.2
North Carolina	2,302,313	22	104,650.6	1.0
North Dakota	175,771	0	-	-
Ohio	2,605,235	35	74,435.3	1.3
Oklahoma	959,226	4	239,806.5	0.4
Oregon	873,619	11	79,419.9	1.3
Pennsylvania	2,664,515	37	72,013.9	1.4
Rhode Island	207,332	4	51,833.0	1.9
South Carolina	1,104,265	12	92,022.1	1.1
South Dakota	214,856	2	107,428.0	0.9
Tennessee	1,507,500	15	100,500.0	1.0
Texas	7,365,951	63	116,919.9	0.9
Utah	926,699	4	231,674.8	0.4
Vermont	116,825	4	29,206.3	3.4
Virginia	1,869,162	19	98,376.9	1.0
Washington	1,645,811	23	71,557.0	1.4
West Virginia	369,718	6	61,619.7	1.6
Wisconsin	1,282,642	12	106,886.8	0.9
Wyoming	136,483	0	-	-
Total	73,653,971	715	103,012.5	1.0

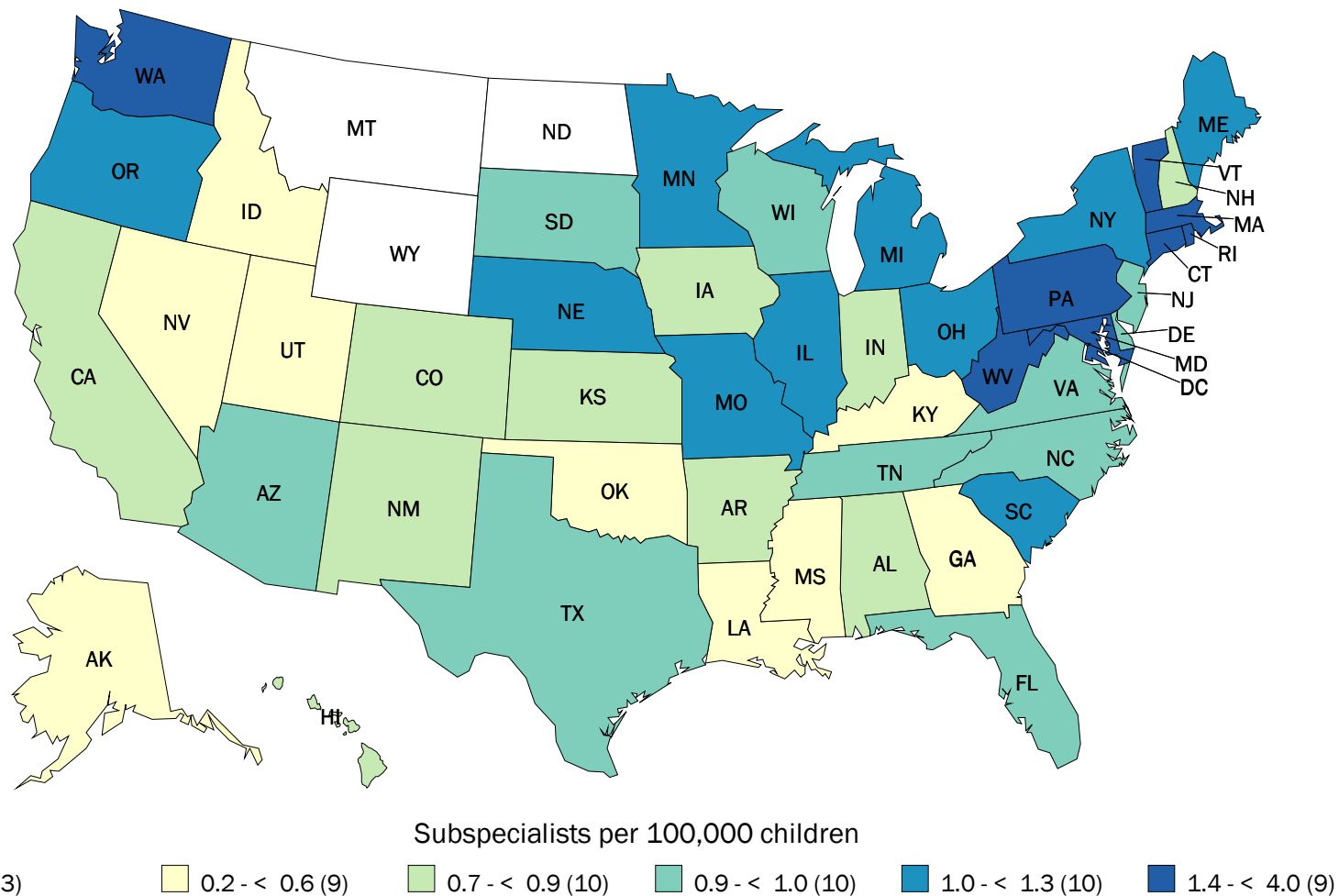
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Nephrology diplomates ever certified, age 70 and under (n=715), among all diplomates ever certified in Pediatric Nephrology (n=1,074). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Nephrology subspecialist diplomates ever certified, 359 (33.4%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (265, 24.7%), diplomates for whom birth year data is unavailable (37, 3.4%), diplomates whose address data are unavailable (32, 3.0%) and diplomates with an address outside of the 50 US states (25, 2.3%). While included in this table, approximately 11.9% of US-based Pediatric Nephrology diplomates age 70 and under have lapsed certificates, and 0.4% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.12.1. Distribution of US-Based Pediatric Nephrology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Nephrology diplomates ever certified, age 70 and under (n=715), among all diplomates ever certified in Pediatric Nephrology (n=1,074). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Nephrology subspecialist diplomates ever certified, 359 (33.4%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (265, 24.7%), diplomates for whom birth year data is unavailable (37, 3.4%), diplomates whose address data are unavailable (32, 3.0%) and diplomates with an address outside of the 50 US states (25, 2.3%). While included in this map, approximately 11.9% of US-based Pediatric Nephrology diplomates age 70 and under have lapsed certificates, and 0.4% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.12.4 Yearly Count of Pediatric Nephrology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	22	56.4	17	43.6	26	66.7	13	33.3	15	38.5	11	28.2	7	17.9	6	15.4	39
	Level 2	15	65.2	8	34.8	15	65.2	8	34.8	9	39.1	6	26.1	6	26.1	2	8.7	23
	Level 3	9	60.0	6	40.0	9	60.0	6	40.0	5	33.3	4	26.7	4	26.7	2	13.3	15
	Subtotal	46	59.7	31	40.3	50	64.9	27	35.1	29	37.7	21	27.3	17	22.1	10	13.0	77
2004	Level 1	23	63.9	13	36.1	24	66.7	12	33.3	19	52.8	5	13.9	4	11.1	8	22.2	36
	Level 2	19	54.3	16	45.7	24	68.6	11	31.4	14	40.0	10	28.6	5	14.3	6	17.1	35
	Level 3	16	64.0	9	36.0	16	64.0	9	36.0	10	40.0	6	24.0	6	24.0	3	12.0	25
	Subtotal	58	60.4	38	39.6	64	66.7	32	33.3	43	44.8	21	21.9	15	15.6	17	17.7	96
2005	Level 1	26	72.2	10	27.8	26	72.2	10	27.8	17	47.2	9	25.0	9	25.0	1	2.8	36
	Level 2	22	64.7	12	35.3	22	64.7	12	35.3	17	50.0	5	14.7	5	14.7	7	20.6	34
	Level 3	15	55.6	12	44.4	19	70.4	8	29.6	11	40.7	8	29.6	4	14.8	4	14.8	27
	Subtotal	63	64.9	34	35.1	67	69.1	30	30.9	45	46.4	22	22.7	18	18.6	12	12.4	97
2006	Level 1	14	45.2	17	54.8	19	61.3	12	38.7	7	22.6	12	38.7	7	22.6	5	16.1	31
	Level 2	28	71.8	11	28.2	27	69.2	12	30.8	18	46.2	9	23.1	10	25.6	2	5.1	39
	Level 3	21	65.6	11	34.4	21	65.6	11	34.4	17	53.1	4	12.5	4	12.5	7	21.9	32
	Subtotal	63	61.8	39	38.2	67	65.7	35	34.3	42	41.2	25	24.5	21	20.6	14	13.7	102
2007	Level 1	34	77.3	10	22.7	28	63.6	16	36.4	22	50.0	6	13.6	12	27.3	4	9.1	44
	Level 2	10	43.5	13	56.5	13	56.5	10	43.5	4	17.4	9	39.1	6	26.1	4	17.4	23
	Level 3	26	72.2	10	27.8	27	75.0	9	25.0	18	50.0	9	25.0	8	22.2	1	2.8	36
	Subtotal	70	68.0	33	32.0	68	66.0	35	34.0	44	42.7	24	23.3	26	25.2	9	8.7	103
2008	Level 1	27	69.2	12	30.8	21	53.8	18	46.2	17	43.6	4	10.3	10	25.6	8	20.5	39
	Level 2	34	79.1	9	20.9	27	62.8	16	37.2	22	51.2	5	11.6	12	27.9	4	9.3	43
	Level 3	9	45.0	11	55.0	11	55.0	9	45.0	3	15.0	8	40.0	6	30.0	3	15.0	20
	Subtotal	70	68.6	32	31.4	59	57.8	43	42.2	42	41.2	17	16.7	28	27.5	15	14.7	102
2009	Level 1	30	65.2	16	34.8	30	65.2	16	34.8	20	43.5	10	21.7	10	21.7	6	13.0	46
	Level 2	25	67.6	12	32.4	20	54.1	17	45.9	15	40.5	5	13.5	10	27.0	7	18.9	37
	Level 3	30	75.0	10	25.0	26	65.0	14	35.0	20	50.0	6	15.0	10	25.0	4	10.0	40
	Subtotal	85	69.1	38	30.9	76	61.8	47	38.2	55	44.7	21	17.1	30	24.4	17	13.8	123
2010	Level 1	31	66.0	16	34.0	22	46.8	25	53.2	18	38.3	4	8.5	13	27.7	12	25.5	47
	Level 2	29	67.4	14	32.6	29	67.4	14	32.6	20	46.5	9	20.9	9	20.9	5	11.6	43
	Level 3	21	67.7	10	32.3	17	54.8	14	45.2	12	38.7	5	16.1	9	29.0	5	16.1	31
	Subtotal	81	66.9	40	33.1	68	56.2	53	43.8	50	41.3	18	14.9	31	25.6	22	18.2	121
2011	Level 1	24	58.5	17	41.5	18	43.9	23	56.1	9	22.0	9	22.0	15	36.6	8	19.5	41
	Level 2	31	66.0	16	34.0	22	46.8	25	53.2	18	38.3	4	8.5	13	27.7	12	25.5	47
	Level 3	28	71.8	11	28.2	27	69.2	12	30.8	19	48.7	8	20.5	9	23.1	3	7.7	39
	Subtotal	83	65.4	44	34.6	67	52.8	60	47.2	46	36.2	21	16.5	37	29.1	23	18.1	127
2012	Level 1	28	66.7	14	33.3	27	64.3	15	35.7	19	45.2	8	19.0	9	21.4	6	14.3	42
	Level 2	21	60.0	14	40.0	15	42.9	20	57.1	8	22.9	7	20.0	13	37.1	7	20.0	35
	Level 3	30	69.8	13	30.2	20	46.5	23	53.5	17	39.5	3	7.0	13	30.2	10	23.3	43
	Subtotal	79	65.8	41	34.2	62	51.7	58	48.3	44	36.7	18	15.0	35	29.2	23	19.2	120
2013	Level 1	25	71.4	10	28.6	19	54.3	16	45.7	16	45.7	3	8.6	9	25.7	7	20.0	35
	Level 2	27	64.3	15	35.7	26	61.9	16	38.1	18	42.9	8	19.0	9	21.4	7	16.7	42
	Level 3	19	57.6	14	42.4	14	42.4	19	57.6	8	24.2	6	18.2	11	33.3	8	24.2	33
	Subtotal	71	64.5	39	35.5	59	53.6	51	46.4	42	38.2	17	15.5	29	26.4	22	20.0	110
2014	Level 1	30	73.2	11	26.8	25	61.0	16	39.0	17	41.5	8	19.5	13	31.7	3	7.3	41
	Level 2	23	71.9	9	28.1	18	56.3	14	43.8	15	46.9	3	9.4	8	25.0	6	18.8	32
	Level 3	27	64.3	15	35.7	26	61.9	16	38.1	18	42.9	8	19.0	9	21.4	7	16.7	42
	Subtotal	80	69.6	35	30.4	69	60.0	46	40.0	50	43.5	19	16.5	30	26.1	16	13.9	115
2015	Level 1	23	69.7	10	30.3	14	42.4	19	57.6	12	36.4	2	6.1	11	33.3	8	24.2	33
	Level 2	29	76.3	9	23.7	23	60.5	15	39.5	17	44.7	6	15.8	12	31.6	3	7.9	38
	Level 3	22	71.0	9	29.0	17	54.8	14	45.2	14	45.2	3	9.7	8	25.8	6	19.4	31
	Subtotal	74	72.5	28	27.5	54	52.9	48	47.1	43	42.2	11	10.8	31	30.4	17	16.7	102
2016	Level 1	28	77.8	8	22.2	23	63.9	13	36.1	18	50.0	5	13.9	10	27.8	3	8.3	36
	Level 2	22	68.8	10	31.3	13	40.6	19	59.4	11	34.4	2	6.3	11	34.4	8	25.0	32
	Level 3	27	73.0	10	27.0	23	62.2	14	37.8	16	43.2	7	18.9	11	29.7	3	8.1	37
	Subtotal	77	73.3	28	26.7	59	56.2	46	43.8	45	42.9	14	13.3	32	30.5	14	13.3	105
2017	Level 1	24	66.7	12	33.3	21	58.3	15	41.7	15	41.7	6	16.7	9	25.0	6	16.7	36
	Level 2	26	76.5	8	23.5	23	67.6	11	32.4	18	52.9	5	14.7	8	23.5	3	8.8	34
	Level 3	22	68.8	10	31.3	14	43.8	18	56.3	11	34.4	3	9.4	11	34.4	7	21.9	32
	Subtotal	72	70.6	30	29.4	58	56.9	44	43.1	44	43.1	14	13.7	28	27.5	16	15.7	102
2018	Level 1	37	80.4	9	19.6	34	73.9	12	26.1	27	58.7	7	15.2	10	21.7	2	4.3	46
	Level 2	23	67.6	11	32.4	20	58.8	14	41.2	14	41.2	6	17.6	9	26.5	5	14.7	34
	Level 3	26	76.5	8	23.5	23	67.6	11	32.4	18	52.9	5	14.7	8	23.5	3	8.8	34
	Subtotal	86	75.4	28	24.6	77	67.5	37	32.5	59	51.8	18	15.8	27	23.7	10	8.8	114

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Infectious Diseases programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.12.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Nephrology Programs Since 2003 by Gender

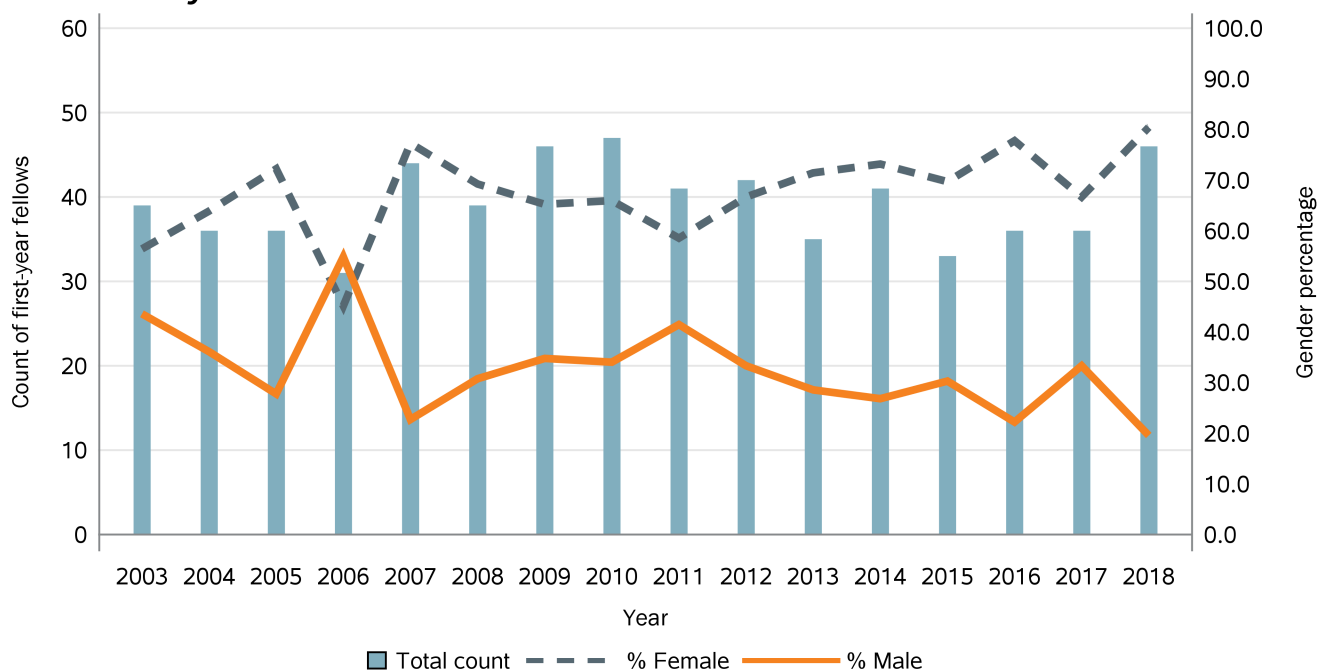
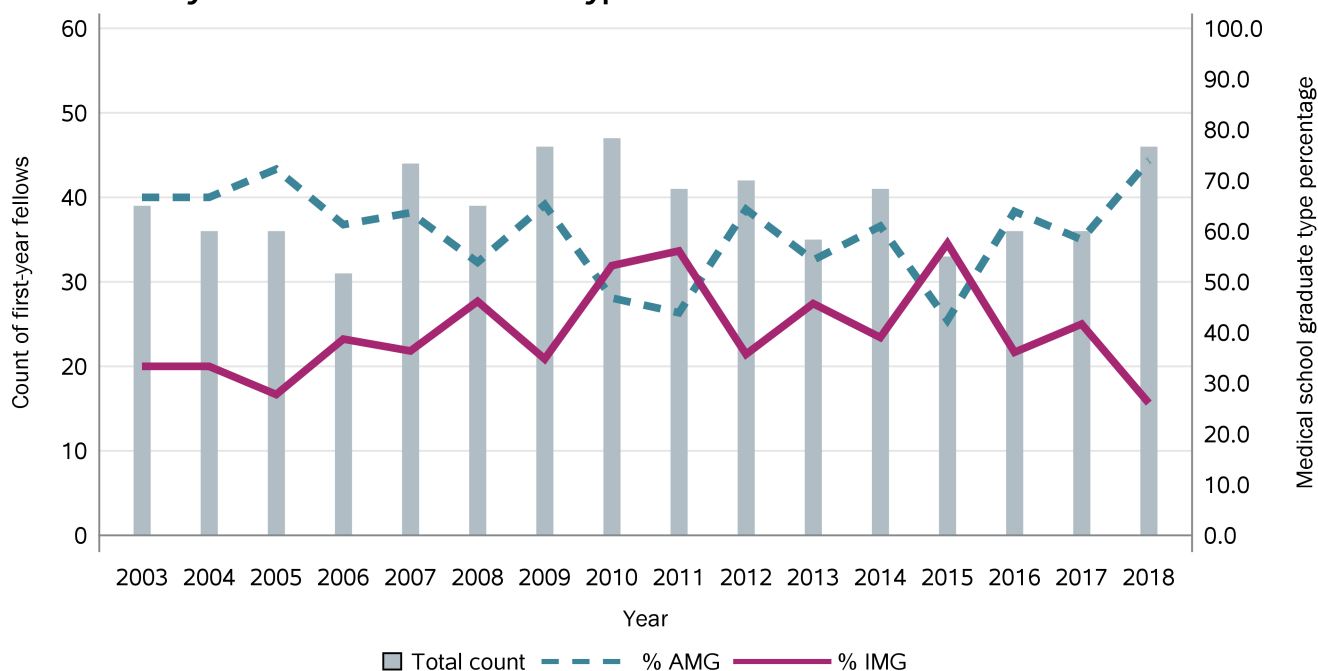


Figure 4.12.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Nephrology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.12.4.

4.13. Pediatric Pulmonology

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Table 4.13.1. All Pediatric Pulmonology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,151)		Lapsed (n=266)		Revoked (n=1)		Total (n=1,418)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	245	21.3	5	1.9	0	0.0	250	17.6
41 to 50	0	0.0	373	32.4	10	3.8	0	0.0	383	27.0
51 to 60	0	0.0	268	23.3	38	14.3	1	100.0	307	21.7
61 to 70	0	0.0	213	18.5	113	42.5	0	0.0	326	23.0
71 to 80	0	0.0	52	4.5	76	28.6	0	0.0	128	9.0
81 to 90	0	0.0	0	0.0	19	7.1	0	0.0	19	1.3
> 90	0	0.0	0	0.0	5	1.9	0	0.0	5	0.4
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	507	44.0	85	32.0	0	0.0	592	41.7
Male	0	0.0	644	56.0	181	68.0	1	100.0	826	58.3
Medical school graduate type										
AMG	0	0.0	790	68.6	199	74.8	1	100.0	990	69.8
IMG	0	0.0	361	31.4	67	25.2	0	0.0	428	30.2

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Pulmonology since certification was first awarded in 1986 (n=1,418).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Pulmonology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.13.2. All Pediatric Pulmonology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=1,099)		Lapsed (n=166)		Revoked (n=1)		Total (n=1,266)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	245	22.3	5	3.0	0	0.0	250	19.7
41 to 50	0	0.0	373	33.9	10	6.0	0	0.0	383	30.3
51 to 60	0	0.0	268	24.4	38	22.9	1	100.0	307	24.2
61 to 70	0	0.0	213	19.4	113	68.1	0	0.0	326	25.8
Gender										
Female	0	0.0	495	45.0	59	35.5	0	0.0	554	43.8
Male	0	0.0	604	55.0	107	64.5	1	100.0	712	56.2
Medical school graduate type										
AMG	0	0.0	751	68.3	120	72.3	1	100.0	872	68.9
IMG	0	0.0	348	31.7	46	27.7	0	0.0	394	31.1

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Pulmonology since certification was first awarded in 1986 (n=1,266).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Pulmonology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.13.3. US-Based Pediatric Pulmonology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	12	91,287.3	1.1
Alaska	184,928	0	-	-
Arizona	1,633,486	19	85,972.9	1.2
Arkansas	705,540	8	88,192.5	1.1
California	9,059,950	120	75,499.6	1.3
Colorado	1,261,831	38	33,206.1	3.0
Connecticut	743,826	21	35,420.3	2.8
Delaware	204,484	5	40,896.8	2.4
District of Columbia	124,492	6	20,748.7	4.8
Florida	4,201,974	63	66,698.0	1.5
Georgia	2,514,381	26	96,707.0	1.0
Hawaii	305,744	4	76,436.0	1.3
Idaho	443,792	1	443,792.0	0.2
Illinois	2,897,059	36	80,473.9	1.2
Indiana	1,573,409	30	52,447.0	1.9
Iowa	731,947	11	66,540.6	1.5
Kansas	712,538	4	178,134.5	0.6
Kentucky	1,010,537	10	101,053.7	1.0
Louisiana	1,108,402	17	65,200.1	1.5
Maine	252,634	4	63,158.5	1.6
Maryland	1,347,506	31	43,467.9	2.3
Massachusetts	1,369,953	56	24,463.4	4.1
Michigan	2,176,649	28	77,737.5	1.3
Minnesota	1,298,657	21	61,840.8	1.6
Mississippi	713,563	4	178,390.8	0.6
Missouri	1,382,874	32	43,214.8	2.3
Montana	228,889	1	228,889.0	0.4
Nebraska	475,733	11	43,248.5	2.3
Nevada	685,463	7	97,923.3	1.0
New Hampshire	258,773	2	129,386.5	0.8
New Jersey	1,978,999	33	59,969.7	1.7
New Mexico	488,090	4	122,022.5	0.8
New York	4,154,497	99	41,964.6	2.4
North Carolina	2,302,313	40	57,557.8	1.7
North Dakota	175,771	1	175,771.0	0.6
Ohio	2,605,235	86	30,293.4	3.3
Oklahoma	959,226	5	191,845.2	0.5
Oregon	873,619	7	124,802.7	0.8
Pennsylvania	2,664,515	57	46,745.9	2.1
Rhode Island	207,332	1	207,332.0	0.5
South Carolina	1,104,265	11	100,387.7	1.0
South Dakota	214,856	4	53,714.0	1.9
Tennessee	1,507,500	23	65,543.5	1.5
Texas	7,365,951	95	77,536.3	1.3
Utah	926,699	10	92,669.9	1.1
Vermont	116,825	4	29,206.3	3.4
Virginia	1,869,162	32	58,411.3	1.7
Washington	1,645,811	30	54,860.4	1.8
West Virginia	369,718	3	123,239.3	0.8
Wisconsin	1,282,642	14	91,617.3	1.1
Wyoming	136,483	0	-	-
Total	73,653,971	1,187	62,050.5	1.6

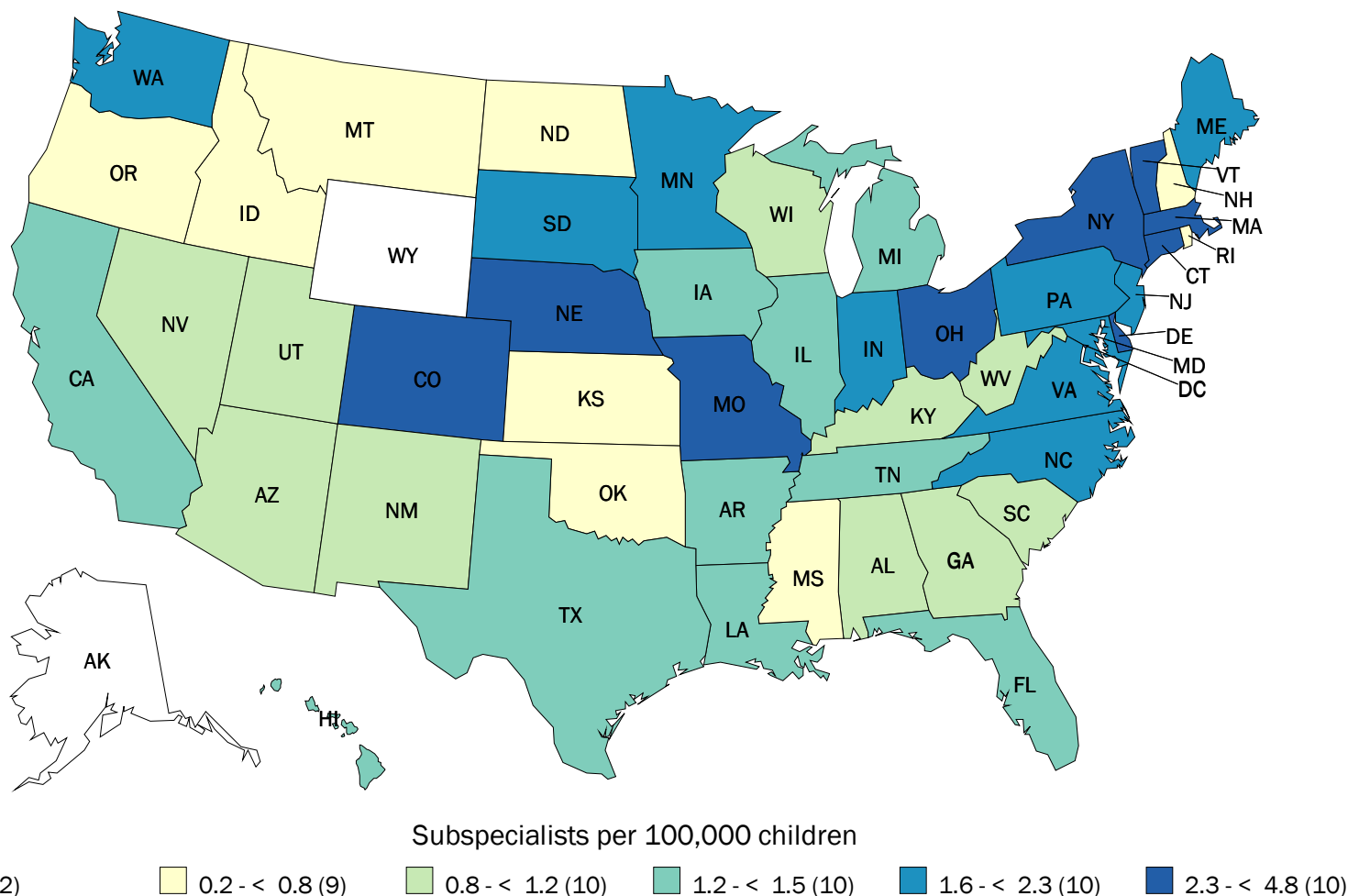
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Pulmonology diplomates ever certified, age 70 and under (n=1,187), among all diplomates ever certified in Pediatric Pulmonology (n=1,418). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Pulmonology subspecialist diplomates ever certified, 231 (16.3%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (152, 10.7%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (34, 2.4%) and diplomates with an address outside of the 50 US states (45, 3.2%). While included in this table, approximately 13.1% of US-based Pediatric Pulmonology diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.13.1. Distribution of US-Based Pediatric Pulmonology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Pulmonology diplomates ever certified, age 70 and under (n=1,187), among all diplomates ever certified in Pediatric Pulmonology (n=1,418). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Pulmonology subspecialist diplomates ever certified, 231 (16.3%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (152, 10.7%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (34, 2.4%) and diplomates with an address outside of the 50 US states (45, 3.2%). While included in this map, approximately 13.1% of US-based Pediatric Pulmonology diplomates age 70 and under have lapsed certificates, and 0.1% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.13.4 Yearly Count of Pediatric Pulmonology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type				Medical school graduate type by gender								Total fellows n
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male		
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
2003	Level 1	17	36.2	30	63.8	30	63.8	17	36.2	8	17.0	22	46.8	9	19.1	8	17.0	47
	Level 2	12	48.0	13	52.0	17	68.0	8	32.0	6	24.0	11	44.0	6	24.0	2	8.0	25
	Level 3	12	35.3	22	64.7	21	61.8	13	38.2	7	20.6	14	41.2	5	14.7	8	23.5	34
	Subtotal	41	38.7	65	61.3	68	64.2	38	35.8	21	19.8	47	44.3	20	18.9	18	17.0	106
2004	Level 1	21	50.0	21	50.0	29	69.0	13	31.0	12	28.6	17	40.5	9	21.4	4	9.5	42
	Level 2	16	34.8	30	65.2	31	67.4	15	32.6	9	19.6	22	47.8	7	15.2	8	17.4	46
	Level 3	13	50.0	13	50.0	17	65.4	9	34.6	6	23.1	11	42.3	7	26.9	2	7.7	26
	Subtotal	50	43.9	64	56.1	77	67.5	37	32.5	27	23.7	50	43.9	23	20.2	14	12.3	114
2005	Level 1	16	42.1	22	57.9	22	57.9	16	42.1	8	21.1	14	36.8	8	21.1	8	21.1	38
	Level 2	21	51.2	20	48.8	28	68.3	13	31.7	12	29.3	16	39.0	9	22.0	4	9.8	41
	Level 3	16	39.0	25	61.0	28	68.3	13	31.7	8	19.5	20	48.8	8	19.5	5	12.2	41
	Subtotal	53	44.2	67	55.8	78	65.0	42	35.0	28	23.3	50	41.7	25	20.8	17	14.2	120
2006	Level 1	18	42.9	24	57.1	21	50.0	21	50.0	11	26.2	10	23.8	7	16.7	14	33.3	42
	Level 2	14	40.0	21	60.0	19	54.3	16	45.7	7	20.0	12	34.3	7	20.0	9	25.7	35
	Level 3	18	47.4	20	52.6	27	71.1	11	28.9	11	28.9	16	42.1	7	18.4	4	10.5	38
	Subtotal	50	43.5	65	56.5	67	58.3	48	41.7	29	25.2	38	33.0	21	18.3	27	23.5	115
2007	Level 1	23	44.2	29	55.8	34	65.4	18	34.6	18	34.6	16	30.8	5	9.6	13	25.0	52
	Level 2	19	45.2	23	54.8	23	54.8	19	45.2	11	26.2	12	28.6	8	19.0	11	26.2	42
	Level 3	14	41.2	20	58.8	20	58.8	14	41.2	7	20.6	13	38.2	7	20.6	7	20.6	34
	Subtotal	56	43.8	72	56.3	77	60.2	51	39.8	36	28.1	41	32.0	20	15.6	31	24.2	128
2008	Level 1	25	53.2	22	46.8	30	63.8	17	36.2	13	27.7	17	36.2	12	25.5	5	10.6	47
	Level 2	25	47.2	28	52.8	34	64.2	19	35.8	19	35.8	15	28.3	6	11.3	13	24.5	53
	Level 3	18	47.4	20	52.6	20	52.6	18	47.4	10	26.3	10	26.3	8	21.1	10	26.3	38
	Subtotal	68	49.3	70	50.7	84	60.9	54	39.1	42	30.4	42	30.4	26	18.8	28	20.3	138
2009	Level 1	32	64.0	18	36.0	30	60.0	20	40.0	19	38.0	11	22.0	13	26.0	7	14.0	50
	Level 2	22	52.4	20	47.6	26	61.9	16	38.1	10	23.8	16	38.1	12	28.6	4	9.5	42
	Level 3	26	52.0	24	48.0	36	72.0	14	28.0	20	40.0	16	32.0	6	12.0	8	16.0	50
	Subtotal	80	56.3	62	43.7	92	64.8	50	35.2	49	34.5	43	30.3	31	21.8	19	13.4	142
2010	Level 1	40	69.0	18	31.0	38	65.5	20	34.5	28	48.3	10	17.2	12	20.7	8	13.8	58
	Level 2	30	65.2	16	34.8	28	60.9	18	39.1	18	39.1	10	21.7	12	26.1	6	13.0	46
	Level 3	22	53.7	19	46.3	25	61.0	16	39.0	10	24.4	15	36.6	12	29.3	4	9.8	41
	Subtotal	92	63.4	53	36.6	91	62.8	54	37.2	56	38.6	35	24.1	36	24.8	18	12.4	145
2011	Level 1	34	65.4	18	34.6	34	65.4	18	34.6	20	38.5	14	26.9	14	26.9	4	7.7	52
	Level 2	37	68.5	17	31.5	37	68.5	17	31.5	28	51.9	9	16.7	9	16.7	8	14.8	54
	Level 3	30	63.8	17	36.2	29	61.7	18	38.3	18	38.3	11	23.4	12	25.5	6	12.8	47
	Subtotal	101	66.0	52	34.0	100	65.4	53	34.6	66	43.1	34	22.2	35	22.9	18	11.8	153
2012	Level 1	40	69.0	18	31.0	32	55.2	26	44.8	25	43.1	7	12.1	15	25.9	11	19.0	58
	Level 2	32	64.0	18	36.0	31	62.0	19	38.0	18	36.0	13	26.0	14	28.0	5	10.0	50
	Level 3	38	70.4	16	29.6	37	68.5	17	31.5	28	51.9	9	16.7	10	18.5	7	13.0	54
	Subtotal	110	67.9	52	32.1	100	61.7	62	38.3	71	43.8	29	17.9	39	24.1	23	14.2	162
2013	Level 1	29	51.8	27	48.2	36	64.3	20	35.7	19	33.9	17	30.4	10	17.9	10	17.9	56
	Level 2	40	71.4	16	28.6	30	53.6	26	46.4	25	44.6	5	8.9	15	26.8	11	19.6	56
	Level 3	30	65.2	16	34.8	29	63.0	17	37.0	17	37.0	12	26.1	13	28.3	4	8.7	46
	Subtotal	99	62.7	59	37.3	95	60.1	63	39.9	61	38.6	34	21.5	38	24.1	25	15.8	158
2014	Level 1	34	58.6	24	41.4	38	65.5	20	34.5	24	41.4	14	24.1	10	17.2	10	17.2	58
	Level 2	27	51.9	25	48.1	35	67.3	17	32.7	18	34.6	17	32.7	9	17.3	8	15.4	52
	Level 3	41	71.9	16	28.1	31	54.4	26	45.6	26	45.6	5	8.8	15	26.3	11	19.3	57
	Subtotal	102	61.1	65	38.9	104	62.3	63	37.7	68	40.7	36	21.6	34	20.4	29	17.4	167
2015	Level 1	30	55.6	24	44.4	32	59.3	22	40.7	17	31.5	15	27.8	13	24.1	9	16.7	54
	Level 2	34	59.6	23	40.4	38	66.7	19	33.3	25	43.9	13	22.8	9	15.8	10	17.5	57
	Level 3	27	54.0	23	46.0	34	68.0	16	32.0	19	38.0	15	30.0	8	16.0	8	16.0	50
	Subtotal	91	56.5	70	43.5	104	64.6	57	35.4	61	37.9	43	26.7	30	18.6	27	16.8	161
2016	Level 1	41	68.3	19	31.7	40	66.7	20	33.3	28	46.7	12	20.0	13	21.7	7	11.7	60
	Level 2	28	53.8	24	46.2	30	57.7	22	42.3	15	28.8	15	28.8	13	25.0	9	17.3	52
	Level 3	34	61.8	21	38.2	37	67.3	18	32.7	24	43.6	13	23.6	10	18.2	8	14.5	55
	Subtotal	103	61.7	64	38.3	107	64.1	60	35.9	67	40.1	40	24.0	36	21.6	24	14.4	167
2017	Level 1	35	67.3	17	32.7	32	61.5	20	38.5	23	44.2	9	17.3	12	23.1	8	15.4	52
	Level 2	39	66.1	20	33.9	40	67.8	19	32.2	27	45.8	13	22.0	12	20.3	7	11.9	59
	Level 3	25	52.1	23	47.9	28	58.3	20	41.7	14	29.2	14	29.2	11	22.9	9	18.8	48
	Subtotal	99	62.3	60	37.7	100	62.9	59	37.1	64	40.3	36	22.6	35	22.0	24	15.1	159
2018	Level 1	35	59.3	24	40.7	32	54.2	27	45.8	21	35.6	11	18.6	14	23.7	13	22.0	59
	Level 2	33	68.8	15	31.3	29	60.4	19	39.6	21	43.8	8	16.7	12	25.0	7	14.6	48
	Level 3	38	66.7	19	33.3	40	70.2	17	29.8	27	47.4	13	22.8	11	19.3	6	10.5	57
	Subtotal	106	64.6	58	35.4	101	61.6	63	38.4	69	42.1	32	19.5	37	22.6	26	15.9	164

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Infectious Diseases programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.13.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Pulmonology Programs Since 2003 by Gender

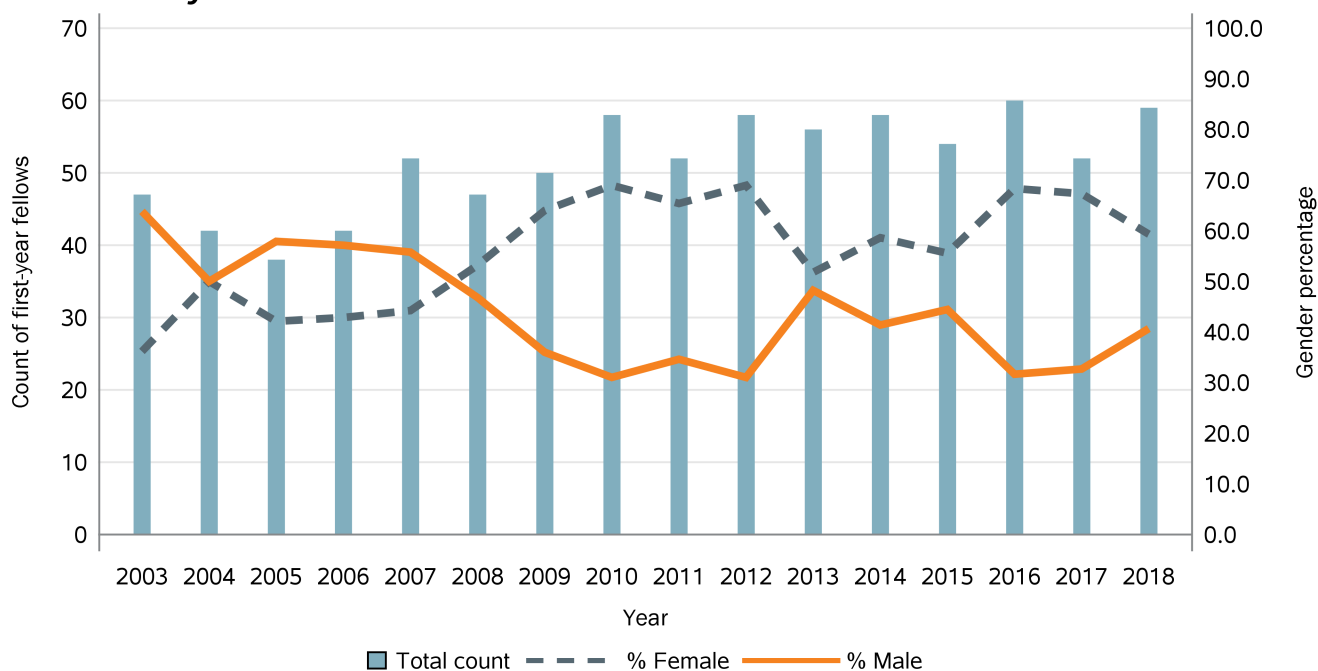
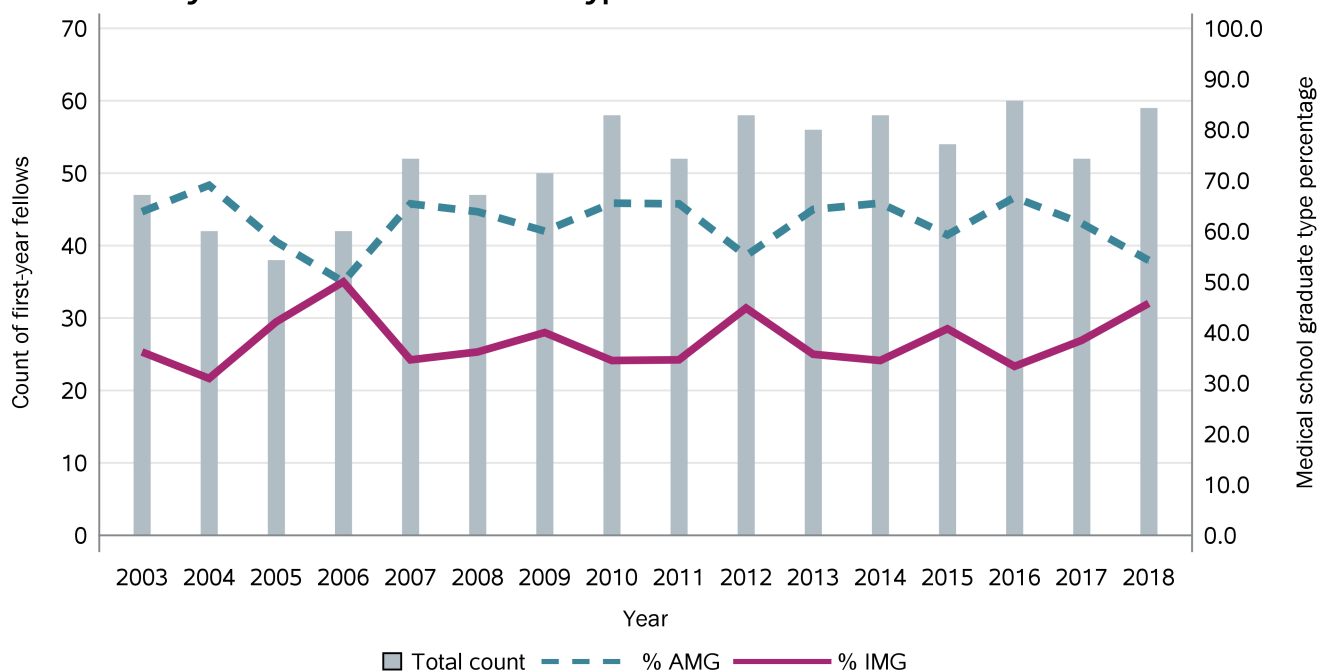


Figure 4.13.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Pulmonology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.13.4.

4.14. Pediatric Rheumatology

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Pediatric Rheumatology Fellowship Tracking Information

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Table 4.14.1. All Pediatric Rheumatology Subspecialists Ever Certified: Distribution of Certificate Status by Demographics
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=348)		Lapsed (n=107)		Revoked (n=2)		Total (n=457)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	78	22.4	4	3.7	0	0.0	82	17.9
41 to 50	0	0.0	146	42.0	11	10.3	1	50.0	158	34.6
51 to 60	0	0.0	65	18.7	18	16.8	0	0.0	83	18.2
61 to 70	0	0.0	54	15.5	39	36.4	1	50.0	94	20.6
71 to 80	0	0.0	5	1.4	25	23.4	0	0.0	30	6.6
81 to 90	0	0.0	0	0.0	9	8.4	0	0.0	9	2.0
> 90	0	0.0	0	0.0	1	0.9	0	0.0	1	0.2
No birth year available	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	0	0.0	230	66.1	51	47.7	0	0.0	281	61.5
Male	0	0.0	118	33.9	56	52.3	2	100.0	176	38.5
Medical school graduate type										
AMG	0	0.0	285	81.9	82	76.6	2	100.0	369	80.7
IMG	0	0.0	63	18.1	25	23.4	0	0.0	88	19.3

Source: ABP Certification Management System.

Sample: All diplomates ever certified in Pediatric Rheumatology since certification was first awarded in 1992 (n=457).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Rheumatology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

**Table 4.14.2. All Pediatric Rheumatology Subspecialists Ever Certified, Age 70 and Under:
Distribution of Certificate Status by Demographics**
(as of December 31, 2018)

Variables	Certificate status									
	Permanent (n=0)		Time-limited/ no end date (n=343)		Lapsed (n=72)		Revoked (n=2)		Total (n=417)	
	n	%	n	%	n	%	n	%	n	%
Age										
≤ 30	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31 to 40	0	0.0	78	22.7	4	5.6	0	0.0	82	19.7
41 to 50	0	0.0	146	42.6	11	15.3	1	50.0	158	37.9
51 to 60	0	0.0	65	19.0	18	25.0	0	0.0	83	19.9
61 to 70	0	0.0	54	15.7	39	54.2	1	50.0	94	22.5
Gender										
Female	0	0.0	230	67.1	40	55.6	0	0.0	270	64.7
Male	0	0.0	113	32.9	32	44.4	2	100.0	147	35.3
Medical school graduate type										
AMG	0	0.0	280	81.6	56	77.8	2	100.0	338	81.1
IMG	0	0.0	63	18.4	16	22.2	0	0.0	79	18.9

Source: ABP Certification Management System.

Sample: All diplomates age 70 and under ever certified in Pediatric Rheumatology since certification was first awarded in 1992 (n=417).

Response Rate: Not applicable.

Missing Data: Birth year data is unavailable for approximately 0.0% of Pediatric Rheumatology diplomates ever certified.

Considerations for Interpretation: Percentages in this table are column percentages. Please exercise caution when interpreting the estimates provided. Information on the number of diplomates who are clinically active/inactive, employed full-time, or deceased is unavailable.

Table 4.14.3. US-Based Pediatric Rheumatology Diplomates Ever Certified, Age 70 and Under, and Estimated Number of Children by State, Including Ratios
(as of December 31, 2018)

State	Child population (n)	Subspecialists (n)	Child population per subspecialist	Subspecialists per 100,000 children
Alabama	1,095,448	6	182,574.7	0.5
Alaska	184,928	0	-	-
Arizona	1,633,486	3	544,495.3	0.2
Arkansas	705,540	2	352,770.0	0.3
California	9,059,950	46	196,955.4	0.5
Colorado	1,261,831	4	315,457.8	0.3
Connecticut	743,826	7	106,260.9	0.9
Delaware	204,484	3	68,161.3	1.5
District of Columbia	124,492	2	62,246.0	1.6
Florida	4,201,974	18	233,443.0	0.4
Georgia	2,514,381	5	502,876.2	0.2
Hawaii	305,744	3	101,914.7	1.0
Idaho	443,792	0	-	-
Illinois	2,897,059	11	263,369.0	0.4
Indiana	1,573,409	4	393,352.3	0.3
Iowa	731,947	4	182,986.8	0.5
Kansas	712,538	3	237,512.7	0.4
Kentucky	1,010,537	2	505,268.5	0.2
Louisiana	1,108,402	1	1,108,402.0	0.1
Maine	252,634	2	126,317.0	0.8
Maryland	1,347,506	18	74,861.4	1.3
Massachusetts	1,369,953	25	54,798.1	1.8
Michigan	2,176,649	9	241,849.9	0.4
Minnesota	1,298,657	7	185,522.4	0.5
Mississippi	713,563	1	713,563.0	0.1
Missouri	1,382,874	15	92,191.6	1.1
Montana	228,889	0	-	-
Nebraska	475,733	1	475,733.0	0.2
Nevada	685,463	1	685,463.0	0.1
New Hampshire	258,773	0	-	-
New Jersey	1,978,999	13	152,230.7	0.7
New Mexico	488,090	0	-	-
New York	4,154,497	38	109,328.9	0.9
North Carolina	2,302,313	13	177,101.0	0.6
North Dakota	175,771	1	175,771.0	0.6
Ohio	2,605,235	23	113,271.1	0.9
Oklahoma	959,226	0	-	-
Oregon	873,619	3	291,206.3	0.3
Pennsylvania	2,664,515	20	133,225.8	0.8
Rhode Island	207,332	1	207,332.0	0.5
South Carolina	1,104,265	5	220,853.0	0.5
South Dakota	214,856	0	-	-
Tennessee	1,507,500	5	301,500.0	0.3
Texas	7,365,951	22	334,816.0	0.3
Utah	926,699	6	154,449.8	0.6
Vermont	116,825	2	58,412.5	1.7
Virginia	1,869,162	9	207,684.7	0.5
Washington	1,645,811	18	91,433.9	1.1
West Virginia	369,718	0	-	-
Wisconsin	1,282,642	9	142,515.8	0.7
Wyoming	136,483	0	-	-
Total	73,653,971	391	188,373.3	0.5

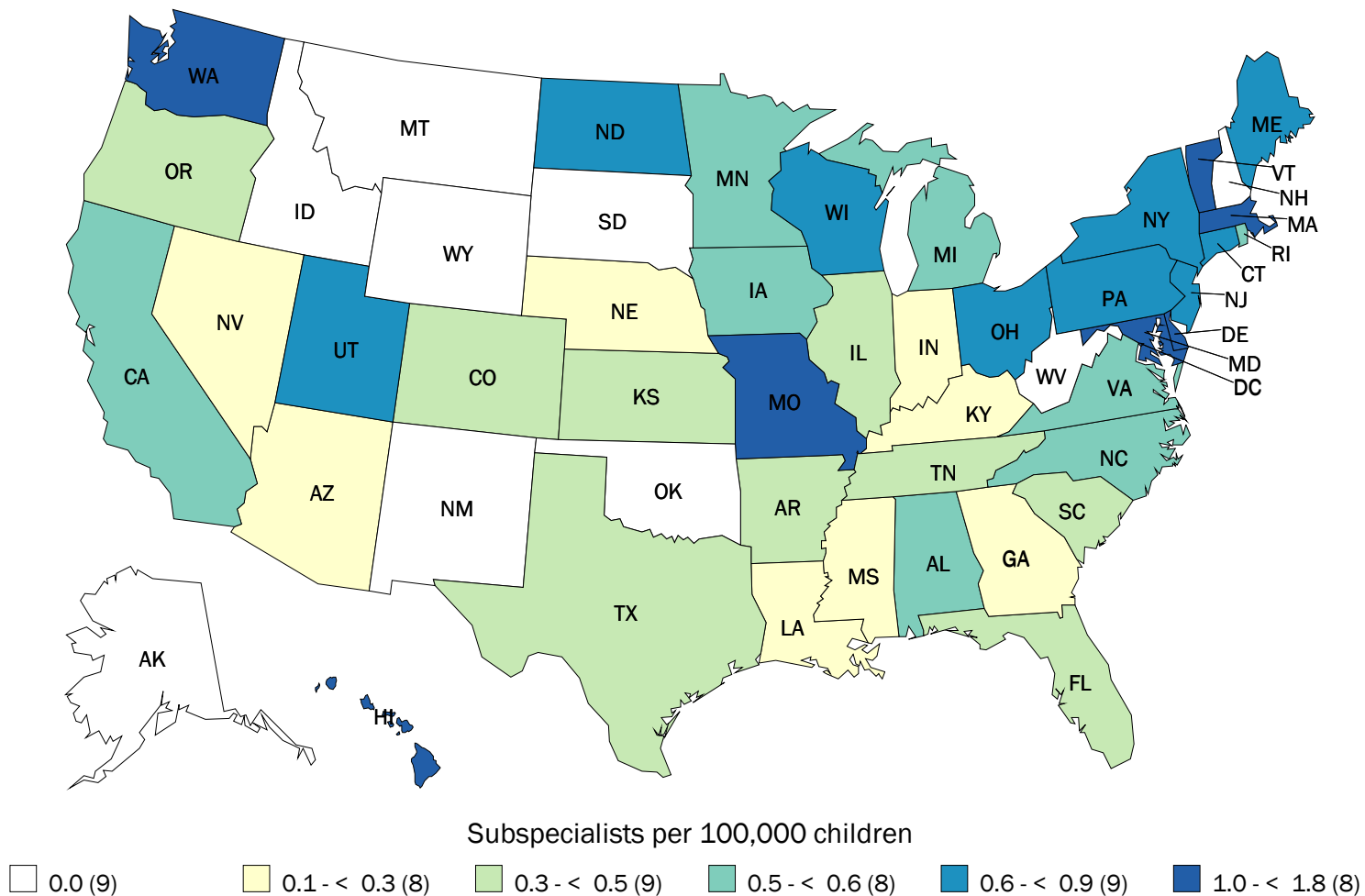
Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Rheumatology diplomates ever certified, age 70 and under (n=391), among all diplomates ever certified in Pediatric Rheumatology (n=457). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Rheumatology subspecialist diplomates ever certified, 66 (14.4%) were not included in this table. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (40, 8.8%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (16, 3.5%) and diplomates with an address outside of the 50 US states (10, 2.2%). While included in this table, approximately 17.3% of US-based Pediatric Rheumatology diplomates age 70 and under have lapsed certificates, and 0.5% have had their certifications revoked. When '-' are found in the table for the number of subspecialists per 100K children, the value could not be calculated as there were no subspecialists of this type in the state. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Figure 4.14.1. Distribution of US-Based Pediatric Rheumatology Diplomates Ever Certified, Age 70 and Under, per 100,000 Children by State
(as of December 31, 2018)



Source: ABP Certification Management System and the US Census Bureau Population Estimates as of July 1, 2017.

Sample: All US-based Pediatric Rheumatology diplomates ever certified, age 70 and under (n=391), among all diplomates ever certified in Pediatric Rheumatology (n=457). Child population estimates include children age 17 and under.

Response Rate: Not applicable.

Missing Data/Considerations for Interpretation: Caution should be used when interpreting the estimates provided. Of all Pediatric Rheumatology subspecialist diplomates ever certified, 66 (14.4%) were not included in this map. These include the following unduplicated diplomates: diplomates who are older than 70 years of age (40, 8.8%), diplomates for whom birth year data is unavailable (0, 0.0%), diplomates whose address data are unavailable (16, 3.5%) and diplomates with an address outside of the 50 US states (10, 2.2%). While included in this map, approximately 17.3% of US-based Pediatric Rheumatology diplomates age 70 and under have lapsed certificates, and 0.5% have had their certifications revoked. State location is determined using the latest mailing address on file. Information on the number of diplomates who are clinically active/inactive, employed part-time/full-time, or deceased is unavailable.

Table 4.14.4 Yearly Count of Pediatric Rheumatology Fellows by Training Levels 1-3 Since 2003 by Demographics

Year	Training level	Gender				Medical school graduate type						Medical school graduate type by gender								Total fellows
		Female		Male		AMG		IMG		AMG/Female		AMG/Male		IMG/Female		IMG/Male				
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%			
2003	Level 1	10	66.7	5	33.3	10	66.7	5	33.3	8	53.3	2	13.3	2	13.3	3	20.0	15		
	Level 2	7	58.3	5	41.7	9	75.0	3	25.0	5	41.7	4	33.3	2	16.7	1	8.3	12		
	Level 3	8	80.0	2	20.0	6	60.0	4	40.0	4	40.0	2	20.0	4	40.0	0	0.0	10		
	Subtotal	25	67.6	12	32.4	25	67.6	12	32.4	17	45.9	8	21.6	8	21.6	4	10.8	37		
2004	Level 1	9	47.4	10	52.6	17	89.5	2	10.5	8	42.1	9	47.4	1	5.3	1	5.3	19		
	Level 2	11	68.8	5	31.3	11	68.8	5	31.3	9	56.3	2	12.5	2	12.5	3	18.8	16		
	Level 3	6	54.5	5	45.5	8	72.7	3	27.3	4	36.4	4	36.4	2	18.2	1	9.1	11		
	Subtotal	26	56.5	20	43.5	36	78.3	10	21.7	21	45.7	15	32.6	5	10.9	5	10.9	46		
2005	Level 1	19	73.1	7	26.9	21	80.8	5	19.2	14	53.8	7	26.9	5	19.2	0	0.0	26		
	Level 2	8	50.0	8	50.0	15	93.8	1	6.3	7	43.8	8	50.0	1	6.3	0	0.0	16		
	Level 3	11	78.6	3	21.4	10	71.4	4	28.6	9	64.3	1	7.1	2	14.3	2	14.3	14		
	Subtotal	38	67.9	18	32.1	46	82.1	10	17.9	30	53.6	16	28.6	8	14.3	2	3.6	56		
2006	Level 1	21	77.8	6	22.2	20	74.1	7	25.9	18	66.7	2	7.4	3	11.1	4	14.8	27		
	Level 2	18	72.0	7	28.0	21	84.0	4	16.0	14	56.0	7	28.0	4	16.0	0	0.0	25		
	Level 3	5	41.7	7	58.3	11	91.7	1	8.3	4	33.3	7	58.3	1	8.3	0	0.0	12		
	Subtotal	44	68.8	20	31.3	52	81.3	12	18.8	36	56.3	16	25.0	8	12.5	4	6.3	64		
2007	Level 1	14	66.7	7	33.3	16	76.2	5	23.8	10	47.6	6	28.6	4	19.0	1	4.8	21		
	Level 2	20	80.0	5	20.0	18	72.0	7	28.0	16	64.0	2	8.0	4	16.0	3	12.0	25		
	Level 3	15	68.2	7	31.8	18	81.8	4	18.2	11	50.0	7	31.8	4	18.2	0	0.0	22		
	Subtotal	49	72.1	19	27.9	52	76.5	16	23.5	37	54.4	15	22.1	12	17.6	4	5.9	68		
2008	Level 1	21	67.7	10	32.3	23	74.2	8	25.8	16	51.6	7	22.6	5	16.1	3	9.7	31		
	Level 2	12	63.2	7	36.8	14	73.7	5	26.3	8	42.1	6	31.6	4	21.1	1	5.3	19		
	Level 3	20	83.3	4	16.7	18	75.0	6	25.0	16	66.7	2	8.3	4	16.7	2	8.3	24		
	Subtotal	53	71.6	21	28.4	55	74.3	19	25.7	40	54.1	15	20.3	13	17.6	6	8.1	74		
2009	Level 1	18	66.7	9	33.3	20	74.1	7	25.9	14	51.9	6	22.2	4	14.8	3	11.1	27		
	Level 2	19	76.0	6	24.0	20	80.0	5	20.0	15	60.0	5	20.0	4	16.0	1	4.0	25		
	Level 3	12	63.2	7	36.8	14	73.7	5	26.3	8	42.1	6	31.6	4	21.1	1	5.3	19		
	Subtotal	49	69.0	22	31.0	54	76.1	17	23.9	37	52.1	17	23.9	12	16.9	5	7.0	71		
2010	Level 1	20	87.0	3	13.0	14	60.9	9	39.1	12	52.2	2	8.7	8	34.8	1	4.3	23		
	Level 2	17	65.4	9	34.6	20	76.9	6	23.1	14	53.8	6	23.1	3	11.5	3	11.5	26		
	Level 3	20	74.1	7	25.9	22	81.5	5	18.5	16	59.3	6	22.2	4	14.8	1	3.7	27		
	Subtotal	57	75.0	19	25.0	56	73.7	20	26.3	42	55.3	14	18.4	15	19.7	5	6.6	76		
2011	Level 1	22	81.5	5	18.5	21	77.8	6	22.2	17	63.0	4	14.8	5	18.5	1	3.7	27		
	Level 2	18	85.7	3	14.3	14	66.7	7	33.3	12	57.1	2	9.5	6	28.6	1	4.8	21		
	Level 3	17	65.4	9	34.6	20	76.9	6	23.1	14	53.8	6	23.1	3	11.5	3	11.5	26		
	Subtotal	57	77.0	17	23.0	55	74.3	19	25.7	43	58.1	12	16.2	14	18.9	5	6.8	74		
2012	Level 1	18	72.0	7	28.0	18	72.0	7	28.0	13	52.0	5	20.0	5	20.0	2	8.0	25		
	Level 2	22	81.5	5	18.5	21	77.8	6	22.2	17	63.0	4	14.8	5	18.5	1	3.7	27		
	Level 3	19	86.4	3	13.6	14	63.6	8	36.4	12	54.5	2	9.1	7	31.8	1	4.5	22		
	Subtotal	59	79.7	15	20.3	53	71.6	21	28.4	42	56.8	11	14.9	17	23.0	4	5.4	74		
2013	Level 1	15	65.2	8	34.8	18	78.3	5	21.7	11	47.8	7	30.4	4	17.4	1	4.3	23		
	Level 2	16	69.6	7	30.4	16	69.6	7	30.4	11	47.8	5	21.7	5	21.7	2	8.7	23		
	Level 3	20	83.3	4	16.7	20	83.3	4	16.7	16	66.7	4	16.7	4	16.7	0	0.0	24		
	Subtotal	51	72.9	19	27.1	54	77.1	16	22.9	38	54.3	16	22.9	13	18.6	3	4.3	70		
2014	Level 1	25	78.1	7	21.9	21	65.6	11	34.4	18	56.3	3	9.4	7	21.9	4	12.5	32		
	Level 2	14	63.6	8	36.4	17	77.3	5	22.7	10	45.5	7	31.8	4	18.2	1	4.5	22		
	Level 3	14	66.7	7	33.3	15	71.4	6	28.6	10	47.6	5	23.8	4	19.0	2	9.5	21		
	Subtotal	53	70.7	22	29.3	53	70.7	22	29.3	38	50.7	15	20.0	15	20.0	7	9.3	75		
2015	Level 1	20	80.0	5	20.0	15	60.0	10	40.0	13	52.0	2	8.0	7	28.0	3	12.0	25		
	Level 2	22	78.6	6	21.4	18	64.3	10	35.7	15	53.6	3	10.7	7	25.0	3	10.7	28		
	Level 3	13	61.9	8	38.1	16	76.2	5	23.8	9	42.9	7	33.3	4	19.0	1	4.8	21		
	Subtotal	55	74.3	19	25.7	49	66.2	25	33.8	37	50.0	12	16.2	18	24.3	7	9.5	74		
2016	Level 1	22	75.9	7	24.1	21	72.4	8	27.6	17	58.6	4	13.8	5	17.2	3	10.3	29		
	Level 2	17	77.3	5	22.7	13	59.1	9	40.9	11	50.0	2	9.1	6	27.3	3	13.6	22		
	Level 3	22	78.6	6	21.4	18	64.3	10	35.7	15	53.6	3	10.7	7	25.0	3	10.7	28		
	Subtotal	61	77.2	18	22.8	52	65.8	27	34.2	43	54.4	9	11.4	18	22.8	9	11.4	79		
2017	Level 1	28	71.8	11	28.2	32	82.1	7	17.9	23	59.0	9	23.1	5	12.8	2	5.1	39		
	Level 2	22	75.9	7	24.1	21	72.4	8	27.6	17	58.6	4	13.8	5	17.2	3	10.3	29		
	Level 3	16	80.0	4	20.0	12	60.0	8	40.0	11	55.0	1	5.0	5	25.0	3	15.0	20		
	Subtotal	66	75.0	22	25.0	65	73.9	23	26.1	51	58.0	14	15.9	15	17.0	8	9.1	88		
2018	Level 1	19	65.5	10	34.5	23	79.3	6	20.7	17	58.6	6	20.7	2	6.9	4	13.8	29		
	Level 2	25	71.4	10	28.6	28	80.0	7	20.0	20	57.1	8	22.9	5	14.3	2	5.7	35		
	Level 3	22	75.9	7	24.1	21	72.4	8	27.6	17	58.6	4	13.8	5	17.2	3	10.3	29		
	Subtotal	66	71.0	27	29.0	72	77.4	21	22.6	54	58.1	18	19.4	12	12.9	9	9.7	99		

Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Levels 1-3 fellows in ACGME-accredited Pediatric Infectious Diseases programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Levels 1-3 are shown here, as most fellowships are three years in length. However, a few individuals undertake combined fellowship programs that may extend into 4 or 5 years (levels 4 and 5). If applicable these can be viewed in Table 3.1.

Figure 4.14.2 Yearly Count of First-Year (Level 1) Fellows in Pediatric Rheumatology Programs Since 2003 by Gender

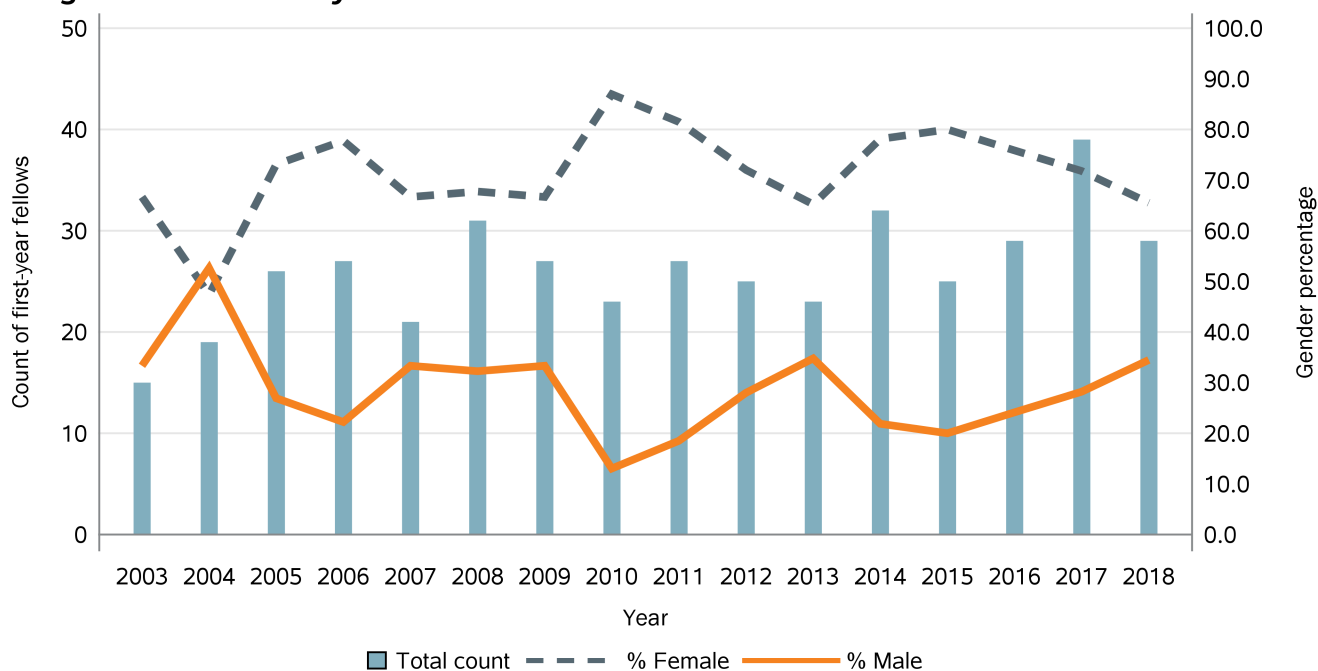
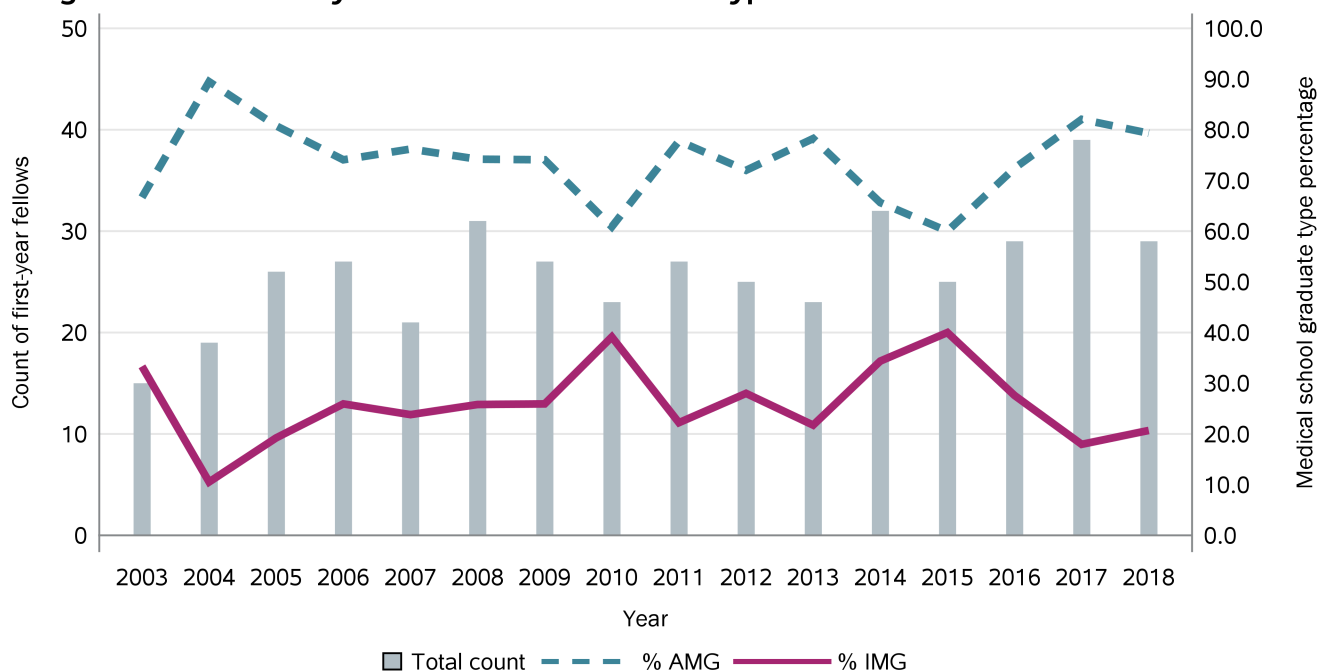


Figure 4.14.3 Yearly Count of First-Year (Level 1) Fellows in Pediatric Rheumatology Programs Since 2003 by Medical School Graduate Type



Source: ABP Certification Management System. Tracking data submitted annually by program directors.

Sample: Level 1 fellows in ACGME-accredited training programs in the US and Puerto Rico since 2003.

Response Rate: Not applicable.

Missing Data: None.

Considerations for Interpretation: Only level 1 fellows are shown for ease of comparison across fellowship program types. Detailed information can be found in Table 4.14.4.



Published By:

The American Board of Pediatrics, Inc.

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Chapel Hill, NC 27514

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