



Report to the National Academies Consensus Study on
The Pediatric Subspecialty Workforce and Its Impact on
Child Health and Well-Being
November 2, 2022

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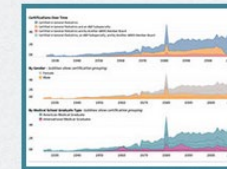
ABP Workforce Efforts

- Since 1992, ABP has published its workforce data
 - Certification data
 - Trainee tracking data
 - Census survey data (7 touchpoints)
- Recommendations in 2016
 - Transition data from pdfs to data dashboards for more interactivity
 - Partner with the pediatric community to prioritize and synergize workforce efforts
 - Contract with outside investigators for more rigorous studies

Manpower Data

Interactive ABP Workforce Data

The ABP collects data on trends in the pediatric workforce and is pleased to offer many interactive dashboards. Click on any image to view and explore the data.



Certification Statistics and Demographics Since 1934



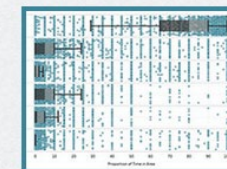
U.S. State and County Distributions of General Pediatricians and Subspecialists



Subspecialty Fellowship Statistics



General Pediatrics Residency Statistics



Survey Data about the Pediatric Workforce



Recent Publications, Annual Workforce Data Book, and Archived Data



American Board of Pediatrics data

- Subspecialty demographic information
 - Fellowship trends
 - Gender
 - Race/ethnicity
 - Degree type
- Subspecialty geographic data
 - State- and county-level data available
- Available on ABP website
 - <https://www.abp.org/content/data-and-workforce>



Papers

JAMA Pediatrics | [Original Investigation](#)

Comparison of Number and Geographic Distribution of Pediatric Subspecialists and Patient Proximity to Specialized Care in the US Between 2002 and 2010

Adam Turner, MPH; Thomas Rick

Pursuing a Career in Pediatrics: Intersection of Educational Debt and Race/Ethnicity

Colin J Orr ¹, Adam L Turner ², Victor S Ritter ³, Jennifer Gutierrez-Wu ⁴, Laurel K Leslie ⁵

Affiliations + expand

PMID: 35973445 DOI: [10.1016/j.jpeds.2022.08.014](https://doi.org/10.1016/j.jpeds.2022.08.014)

Why a
modeling
project was
(and
continues
to be)
important

Data availability and limitations of other models

Shifting and/or increasing pediatric patient needs in mental health, autism, eating disorders, gender-affirming care, infectious diseases

Anecdotal evidence of shortages and maldistribution of pediatric subspecialists in rural and urban areas

Pediatric and rural hospitals closing limiting access

National Academy Consensus Study on “The Pediatric Subspecialty Workforce and Its Impact on Child Health and Well-Being”

Subspecialty Modeling Project Deliverables

Rigorous model

Interactive data visualization

**Dissemination through manuscripts,
policy briefs, and other products**



Creating a Rigorous Model

- **Baseline model**
 - Employs ABP and other data to forecast future supply based on historical trends
- **8 “what if” scenarios**
- **Model outputs** display the forecasts for each specialty by:
 - *Headcount and PCT* (self-reported proportion of time spent in direct/consultative inpatient/outpatient clinical care)
 - *Three levels of geography*
 - National
 - 4 Census Regions
 - 9 Census Divisions



Preparing and Launching the Visualization



Soft launch

Nov 1, 2022

Release website, methods brief, other support documents to writing groups

Can share with consensus study members if keep confidential to study

Hoping to incorporate some approach to risk adjustment



Official launch

Late Spring/Summer 2023

Prepare manuscripts and briefs to amplify messages and highlight findings



Dissemination: A Supplement to *Pediatrics*

- **One summary** of current subspecialty-specific workforce information
- **Discuss model** within the context of
 - Other ABP data
 - Subspecialty-specific data (e.g., models, surveys)
 - Subspecialty-demand
 - Geography: rural/urban, state, county
 - “Wild cards”
- **Implications** for specific subspecialties: educational, practice, policy, future workforce research



Supplement Plan



Identified workforce experts for
14 subs + hospital medicine

Writing groups of 3-6 people for over 40
writers total



Groups work close with a leadership team of 5 and Dr. Alex
Kemper of *Pediatrics* to ensure supplement quality



Monthly meetings to discuss model's findings and implication for
each subspecialty, office hours w/ABP team and Sheps team



Supplement Timeline

Table. Proposed timeline for supplement writing and initial submission

September 2022	October 2022	November 2022	December 2022	January 2023	February 2023	March 2023	April 2023	May 2023
Kick off meeting	Monthly Meeting	Monthly meeting	Monthly meeting	Monthly meeting	Monthly meeting	Monthly meeting		
		Model released to writers	Model office hours					
	Review and editing by guest editors							
	Webinar: Demographics and current state of supply	Webinar: Patient demand and access	Webinar: Model reaction and scenarios	Webinar: Implications, Limitations, and Conclusions	Webinar: Final editing and review	Webinar: Finalize for submission	Response to reviewers; COI and other administrative items	



Questions? Please don't hesitate to reach out

ABP Data

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Supplement to *Pediatrics*

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