



Evidence-Based Resources

Here are some resources cultivated by the team!

Program Showcase

↻ Next Gen Peds

Next Gen Pediatricians (NGP) is a mentorship program geared towards providing guidance, support, and networking to fourth-year medical students from backgrounds that are underrepresented in medicine (URiM) applying to Pediatric and Pediatric-Combined residency programs



Next Gen Pediatricians

↻ FuturePedsRes

FuturePedsRes is a grassroots, medical student-led organization that provides mentorship in the application process to residency.



Pediatric Residency Applicants | FuturePedsRes |
#PedsMatch2025

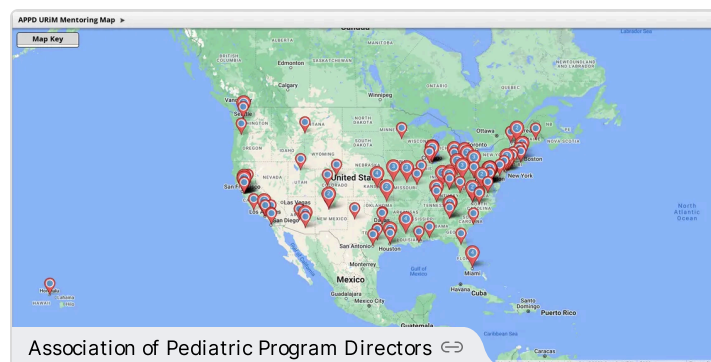
- ↩ **AAP PEEK: Creating a Pathway to Pediatrics through Exposure, Education, and Knowledge Program**
- Creating a Pathway to Pediatrics (PEEK) is a 2.5-day immersive experience designed to increase exposure to pediatrics for prospective and current Chicago-area medical students. The program is open to College Seniors, Post Baccalaureate Program Students, Students taking a Gap Year, MS1 Students, and MS2 Students. Sessions are held at Chicago-area medical schools and hospitals and offer a meaningful opportunity to explore pediatric career pathways and help shape a more diverse future pediatric workforce.



PEEK Project Flyer

↩ UiM Training Support

- ↩ **APPD Underrepresented in Medicine (URiM) Mentoring Map**
- The APPD Underrepresented in Medicine (URiM) Mentoring Map highlights experiential STEM programs nationwide for URiM students from kindergarten to undergraduate/pre-medical level. These programs are pathways to promote self-efficacy and increase the number of URiM STEM learners and future scientists.



URiM Mentoring Map - Association of Pediatric Program Directors

- ↩ **APPD Advancing Inclusiveness in Medical Education Scholars (AIMS)**
- The APPD AIMS Program provides mentorship in medical education leadership, scholarship, and careers to UIM PGY2 pediatric residents.



AIMS - Association of Pediatric Program Directors

↔ **New Century Scholars Program**

The APA New Century Scholars provides mentorship in academic medicine to UIM PGY2 pediatrics residents.



New Century Scholars Resident Mentoring Program - Academic Pediatric Association

↔ **Diversity and Inclusion Training in Pediatric Departments**



↔ **Mentorship of Underrepresented Physicians and Trainees in Academic Medicine: A systematic review**

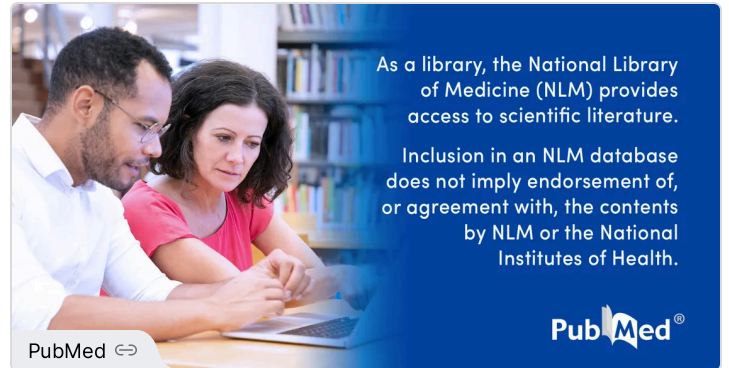


Mentorship of Underrepresented Physicians and Trainees in Academic Medicine: a Systematic Review

↩ **Physician-scientist training and programming in pediatric residency programs: a national survey**



↩ **Upholding Our PROMISE: Underrepresented in Medicine Pediatric Residents' Perspectives on Interventions to Promote Belonging**



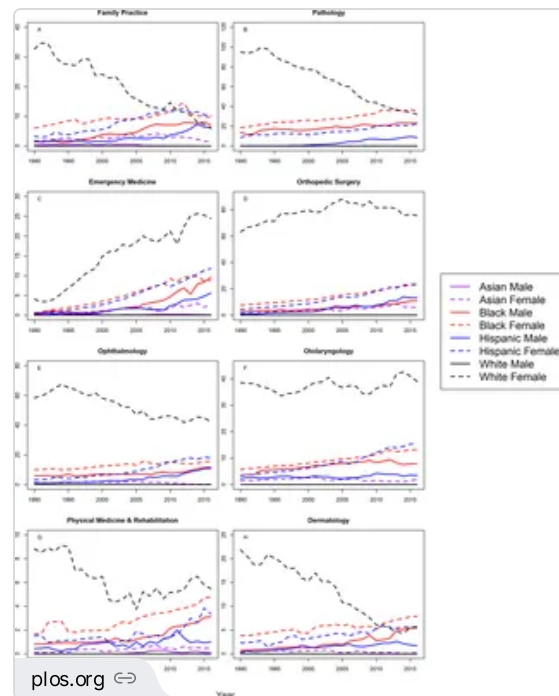
Upholding Our PROMISE: Underrepresented in Medicine Pediatric Residents' Perspectives on Interventions to Promote Belonging - PubMed

↩ **Confronting Racism Taskforce: Best practices toolkit for building pediatric workforce diversity**



Confronting Racism - Association of Pediatric Program Directors

➡ **Declining racial and ethnic representation in clinical academic medicine: A longitudinal study of 16 US medical specialties**



Declining racial and ethnic representation in clinical academic medicine: A longitudinal study of 16 US medical specialties

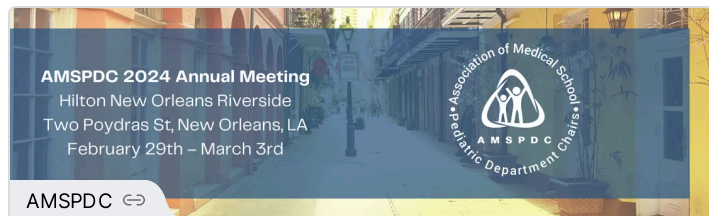
➡ **Racial and Ethnic Diversity in Academic Emergency Medicine: How Far Have We Come? Next Steps for the Future**



➡ **The Role of Sponsorship in Achieving Workforce Diversity in Academic Pediatrics**

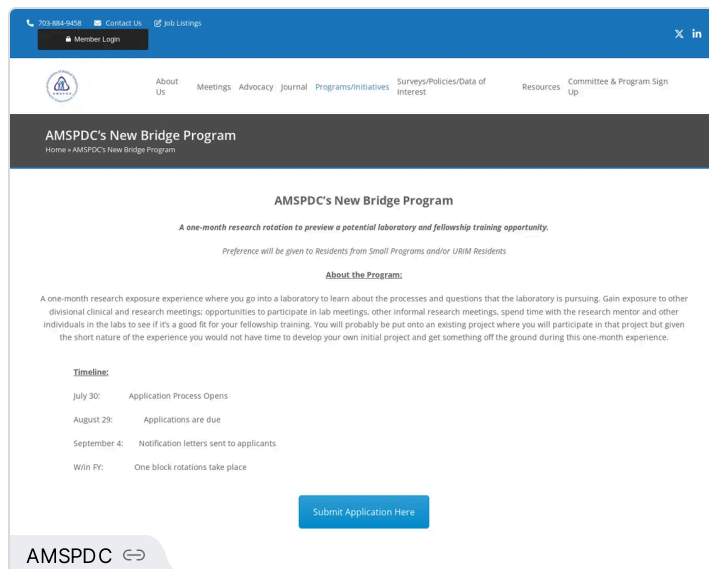


- ⇒ **AMSPDC Frontiers in Science (FIS)**
The AMSPDC Frontiers in Science Program mentors PGY1 and PGY2 residents in considering research careers.



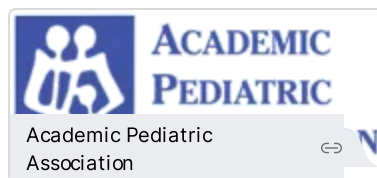
2024 AMSPDC Annual Meeting FIS Program - AMSPDC

- ⇒ **AMSPDC New Bridge Program**
The AMSPDC New Bridge Program provides residents with a one-month research experience to support their consideration of a research career.



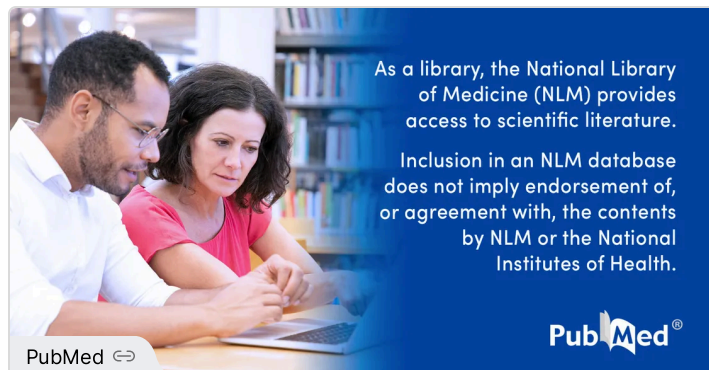
AMSPDC's New Bridge Program - AMSPDC

- ⇒ **APA Research in Academic Pediatric Investigator Development (RAPID) Program**
The APA Research in Academic Pediatric Investigator Development (RAPID) Program supports UIM fellows and faculty in developing research studies and careers.

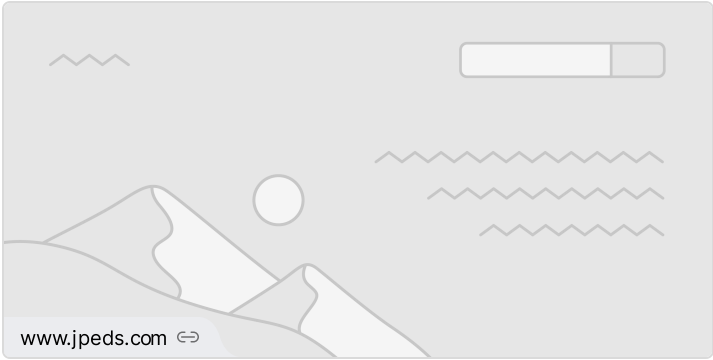


Research in Academic Pediatrics Investigator Development (RAPID) - Academic Pediatric Association

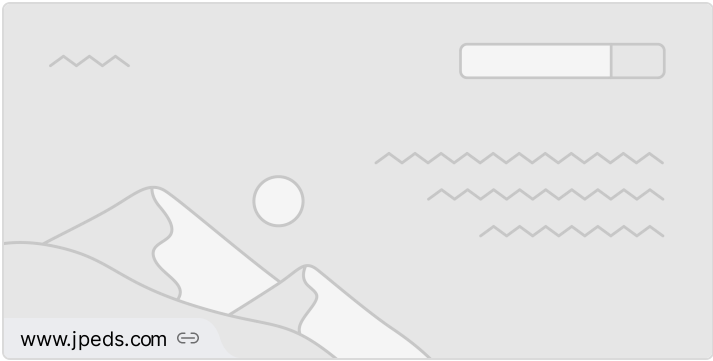
- ⇒ **Cultivating Research Skills During Clinical Training to Promote Pediatric-Scientist Development**



Implementation of a novel curriculum and fostering professional identity formation of pediatrician-scientists



Physician-scientist training and programming in pediatric residency programs: a national survey



Expanding the Pipeline for Pediatric Physician-Scientists

NOTES FROM THE ASSOCIATION OF
MEDICAL SCHOOL PEDIATRIC DEPARTMENT CHAIRS, INC.

Expanding the Pipeline for Pediatric Physician-Scientists

Terence S. Dermody, MD¹, Raphael Hirsch, MD², Margaret K. Hostetter, MD³, Jordan S. Orange, MD, PhD⁴, and Joseph W. St. Geme, III, MD⁵

Academic departments of pediatrics strive to improve care for children and recognize that sustained progress requires creating new knowledge about childhood diseases and translating this knowledge into new care paradigms. Pediatric physician-scientists are central to this process, reflecting that they are uniquely equipped to pose clinically relevant questions that link biomedical research to clinical care for children.

The percentage of physicians devoting a significant portion of their professional time to research has decreased from 5% in 1980 to 1.5% in 2007¹ (and is likely lower now), and the absolute number of physician-scientists has been steadily declining.² Moreover, current physician-scientists are aging, as highlighted by the fact that the percentage of National Institutes of Health (NIH) R01 grants awarded to MD investigators over 50 years old increased from 25% in 1980 to over 50% in 2007.³ Among the R01 equivalents awarded by the NIH to MD or MD/PhD pediatric investigators during the period between 2012 and 2017, approximately 60% were awarded to individuals at the rank of professor.⁴

With these demographic shifts in mind, it is imperative that we strengthen the pipeline for pediatric physician-scientists.

Recruiting Research-Oriented Medical Students into Pediatric Careers

Recruitment of research-oriented medical students into pediatric residencies is a key priority for increasing the pediatric physician-scientist workforce. Many medical schools incorporate significant research experiences into undergraduate medical curricula, including year-long programs such as those at Duke University and Vanderbilt University. Other medical schools offer an opportunity for an additional 1 or 2 years of scientific training, sometimes concluding with a Master's degree. Combined MD/PhD training programs account for a substantial segment of research-oriented medical trainees and now enroll roughly 5400 trainees in at least 90 programs nationally, including 45 programs that receive support from the National Institute of General Medical Sciences in the form of a Medical Scientist Training Program grant.⁵ MD/PhD programs graduate approximately 600 students each year⁶ (of approximately 20,000 annual MD graduates⁷). According to the Association of American Medical Colleges MD/PhD Program Outcomes Study, 12.6% of MD/PhD program graduates choose residency training in pediatrics.⁸ How can we increase this percentage, and how can we recruit more research-oriented medical students into pediatric residencies?

There are 3 important strategies to enhance recruitment of medical students interested in discovery-based careers into pediatrics. The first comes through seeking opportunities to serve as research mentors for these students. Faculty should participate in research training programs appropriate to their field of research and should keep research websites current and populated with images that highlight exciting science. Participation in recruiting functions (presentations and poster sessions) provides a chance for mentors to meet students interested in research training. Engagement in the admissions process for MD/PhD candidates often influences future decisions by students about laboratory rotations, the first step in selection of a thesis laboratory. The key goal of these efforts is to attract research-oriented students for research training, including MD/PhD students, MD students who are pursuing a Master's degree, and MD students who are not pursuing an additional degree but are interested in a significant research experience. Because students are often the most effective recruiters of students, a research team that includes students is likely to continue to attract students.

A second strategy to enhance recruitment of research-oriented students into pediatrics is for pediatric faculty to teach in the preclinical medical curriculum and the graduate curriculum. These efforts will be directed at junior students before professional identity has been formed. The most

ASP
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ASP
NIH
PGY
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PSCP

American Board of Pediatrics
Accelerated research pathway
Integrated research pathway
National Institutes of Health
Post-graduate year
Principal investigator
Pediatric Scientist Development Program

From the ¹Departments of Pediatrics and Molecular Genetics, University of Pittsburgh School of Medicine, Children's Hospital of Pittsburgh of University Medical Center, Pittsburgh, PA; ²Department of Pediatrics, University of Colorado College of Medicine, Children's Hospital Medical Center, Aurora, CO; ³Department of Pediatrics, University of Colorado College of Medicine, Children's Hospital Medical Center, Aurora, CO; ⁴Department of Pediatrics, University of Pennsylvania, Philadelphia, PA; ⁵Department of Pediatrics, University of Pennsylvania, Philadelphia, PA.

The authors declare no conflicts of interest.

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med.stanford.edu

↩ COVID-19 Research Delays Disproportionately Affected Pediatrician-Scientists from Backgrounds Under-Represented in Medicine



↩ Addressing Gaps in Pediatric Scientist Development: The Department Chair View of 2 AMSPDC-Sponsored Programs

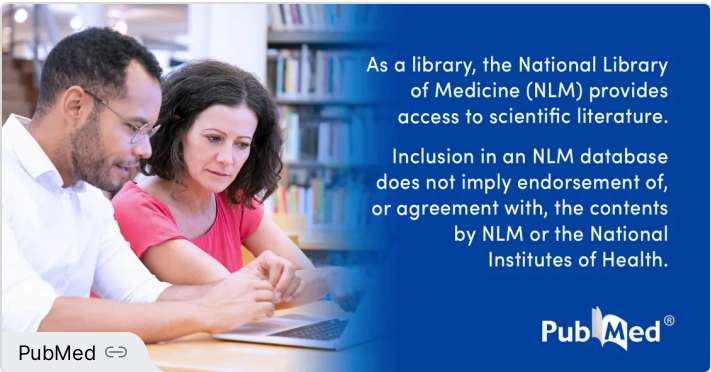


Global Health Training Support

↩ A 4-Year Residency Program in Pediatrics/Global Child Health

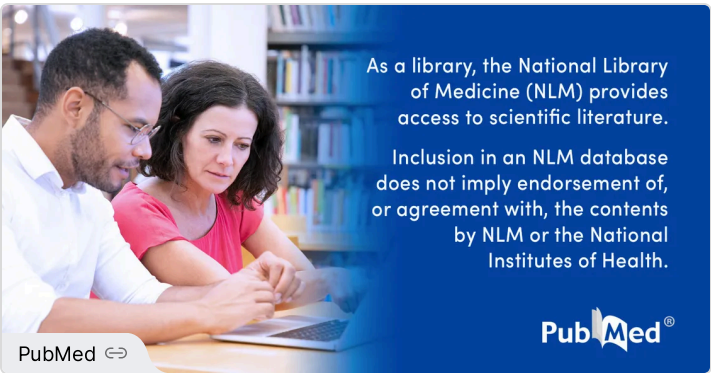


↔ **Global Health Education in US
Pediatric Residency Programs**



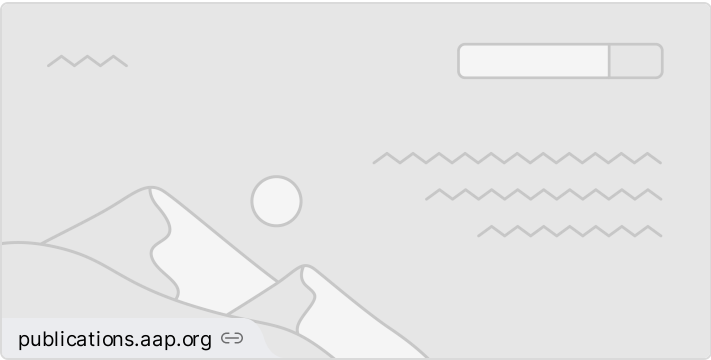
Global Health Education in US Pediatric Residency Programs - PubMed

↔ **Global Health Education for Pediatric Residents:
Trends, Training Experiences, and Career Choices**

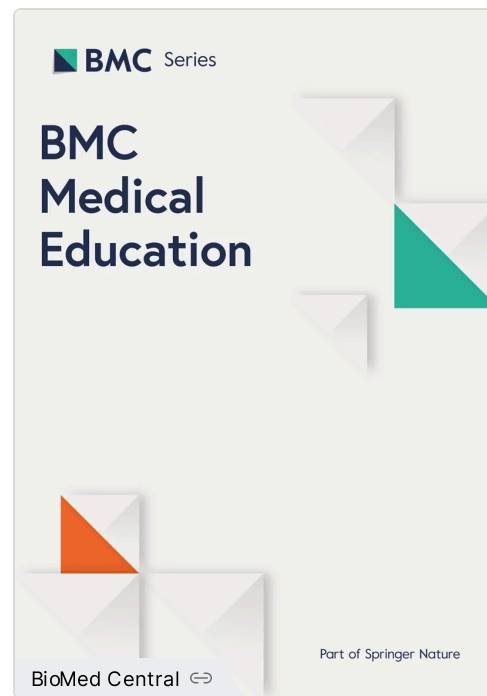


Global Health Education for Pediatric Residents: Trends, Training Experiences, and Career Choices - PubMed

↔ **Global Health Education for Pediatric
Residents: A National Survey**

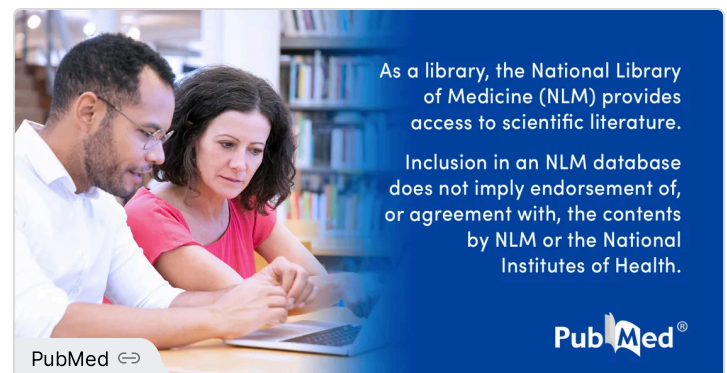


↔ **Global health opportunities within pediatric subspecialty fellowship training programs: survey the virtual landscape**



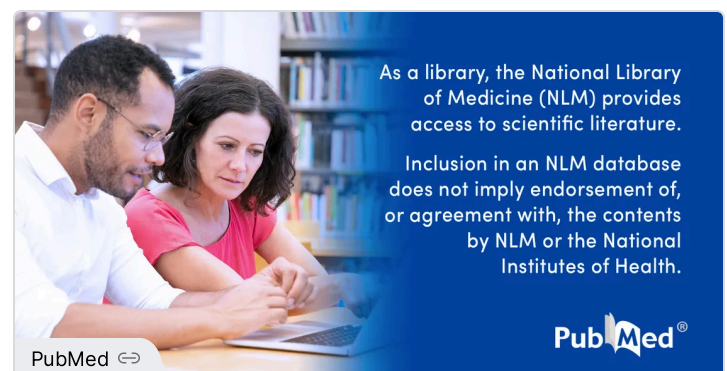
Global health opportunities within pediatric subspecialty fellowship training programs: surveying the virtual landscape - BMC Medical Education

↔ **Defining Global Health Tracks for Pediatric Residencies**



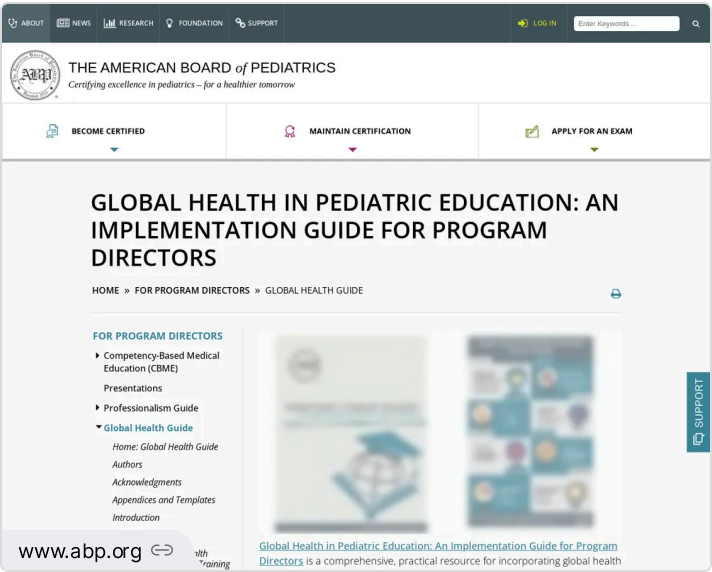
Defining Global Health Tracks for Pediatric Residencies - PubMed

↔ **Education and preparation of physicians entering an international pediatric AIDS program: the Pediatric AIDS Corps**



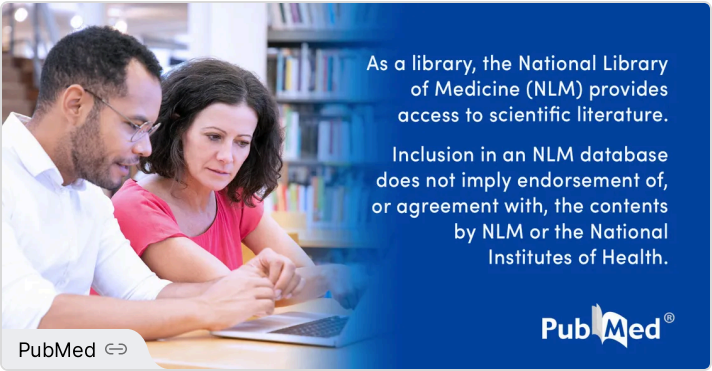
Education and preparation of physicians entering an international pediatric AIDS program: the Pediatric AIDS Corps - PubMed

↩ Global Health in Pediatric Education: An Implementation Guide for Program Directors



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↩ The Pediatric AIDS Corps: a 5-year evaluation



The Pediatric AIDS Corps: a 5-year evaluation - PubMed

