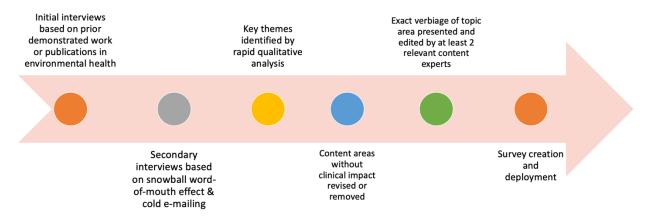
Chambers JY, Rippon J, Ahle D, Le X, Miller B, Moreno A. Is the future green? Assessing environmental health confidence in internal medicine residents. *J Grad Med Educ*. 2024;16(suppl 1):99-103. DOI: http://dx.doi.org/10.4300/JGME-D-24-00081.1

Supplementary Data

Supplement 1. Individuals and groups interviewed to define core content areas.

Community and Public Non-Clinical Researchers **GME Faculty** UME Health Own institution's · Faculty who currently or Academic toxicologists • Academic public health environmental health & previously implemented and biochemists faculty research center curricula at own and Local public health Doctorate-level Own institution's Pediatrics outside institutions clinicians researchers in water and Family Medicine · Graduating medical quality and water systems Community residencies students who had taken Outside GME programs Doctorate-level environmental justice environmental health researchers in organizations Infectious disease, electives or courses Rheumatology, Cardiology, xenoestrogens and Veterans with exposures · Veterinary faculty environmental Gastroenterology, to chemicals of war regarding "One Health" Endocrinology, carcinogens Migrant worker programs Pulmonology, Allergy and concepts • Political advocates for air Immunology, and and water quality Hematology/Oncology protections Fellowship faculty

Supplement 2. Process for outlining core topics.



Supplement 3. Survey instrument.

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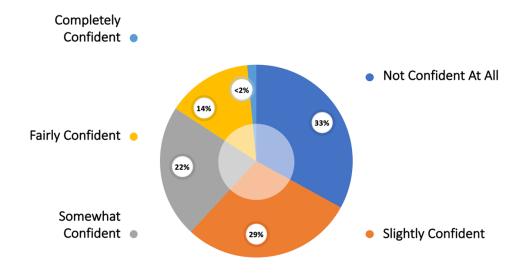
How confident would you feel explaining the following environmental health topics to a friend or peer?

	Not Confident At All	Slightly Confident	Somewhat Confident	Fairly Confident	Completely Confident
Air pollution/Air quality	0	0	0	0	0
Endocrine disruptors	0	0	0	\circ	\circ
Environmental justice	0	0	\circ	\circ	0
Extreme weather impacts	0	0	0	0	0
Food security & sustainability	0	0	0	0	0
Global health impacts	0	0	\circ	\circ	\circ
Hazardous waste disposal	0	\circ	\circ	\circ	\circ
Heat stress and kidney disease	0	0	0	0	0
Occupational disease	0	0	\circ	\circ	\circ
Spread of infectious disease	0	0	0	0	0
Toxicology	0	0	0	0	0
Water quality	0	\circ	0	0	\circ

Supplement 4. Results of Bonferroni correction for multiple comparisons.

Topic	Topic	p-value
Endocrine disruptors	Food security and	$p = 7.97 \times 10^{-6}$
	sustainability	
Endocrine disruptors	Spread of infectious disease	$p = 1.45 \times 10^{-7}$
Environmental justice	Spread of infectious disease	$p = 1.28 \times 10^{-4}$
Food security and sustainability	Hazardous waste disposal	$p = 3.70 \times 10^{-6}$
Food security and sustainability	Water quality	$p = 1.12 \times 10^{-4}$
Hazardous waste disposal	Spread of infectious disease	$p = 5.88 \times 10^{-8}$
Spread of infectious disease	Toxicology	$p = 2.98 \times 10^{-5}$
Spread of infectious disease	Water quality	$p = 2.64 \times 10^{-6}$

Supplement 5. Mean resident response across all content areas.



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Supplement 5. Breakdown of response frequency by category for Environmental Justice.

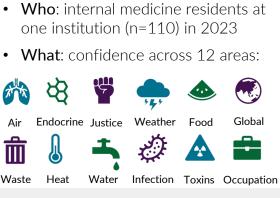


Environmental Health Confidence in Internal Medicine

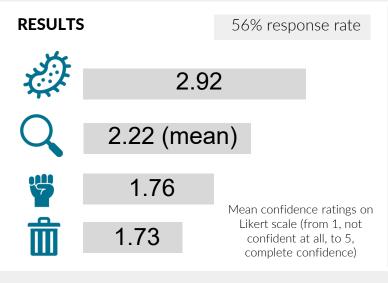
INTRODUCTION Medical societies are increasingly calling for climate change education in medical training. This study assesses how internal medicine residents assess their own confidence explaining environmental health topics to a peer.

METHODS

- **Design**: electronic survey with topic areas defined by content experts
- one institution (n=110) in 2023



DOI:http://dx.doi.org/10.4300/JGME-D-24-00081.1



LIMITATIONS



Measurement of confidence may not represent actual skills



Single site with one program may not be representative



Ambiguous survey terminology may have introduced variation

CONCLUSIONS Internal medicine residents report low confidence levels regarding their ability to explain multiple environmental health topics to their peers.



