VHEC 2022 SCCA at UVA Updates

Lena Bichell, MS4





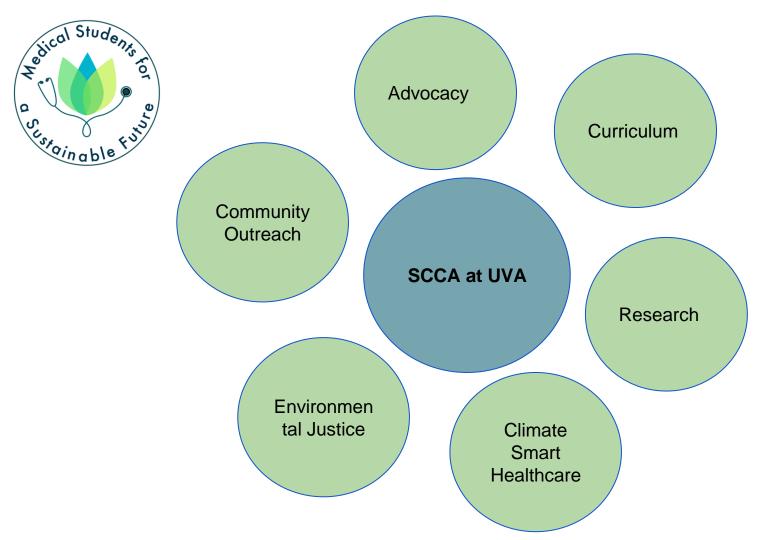


Who are we?

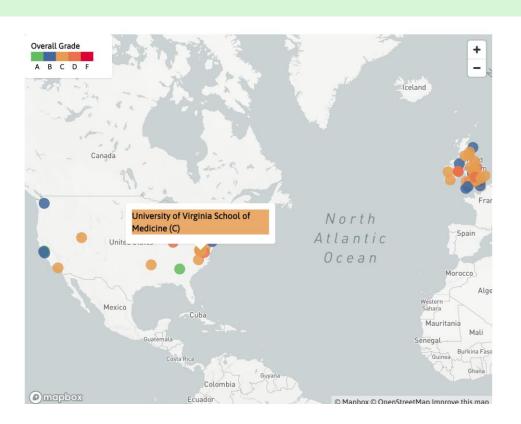
SCCA at UVA was founded in the Fall of 2020 when then-second-year medical student Lena Bichell worked on a climate-health summer project. Through this project, we recognized the dearth of climate representation in our curriculum and overall medical experiences and decided to do something about it. Concurrently, the recently founded, national network of MS4SF was recruiting new schools to join their network. Officially an MS4SF-affiliate, we have now recruited a listserv of over fifty medical, nursing, and other health students from across the University.

Our Mission Statement

SCCA at UVA is a group of health professional students who recognize the impact of the changing climate on human health and the inequitable distribution of the resulting health burden. As clinicians-in-training, we aim to learn, educate, advocate, and practice medicine with planetary health in mind. In doing so, we will better care for our future patients, communities, and selves.



2021 UVA Planetary Health Report Card Results



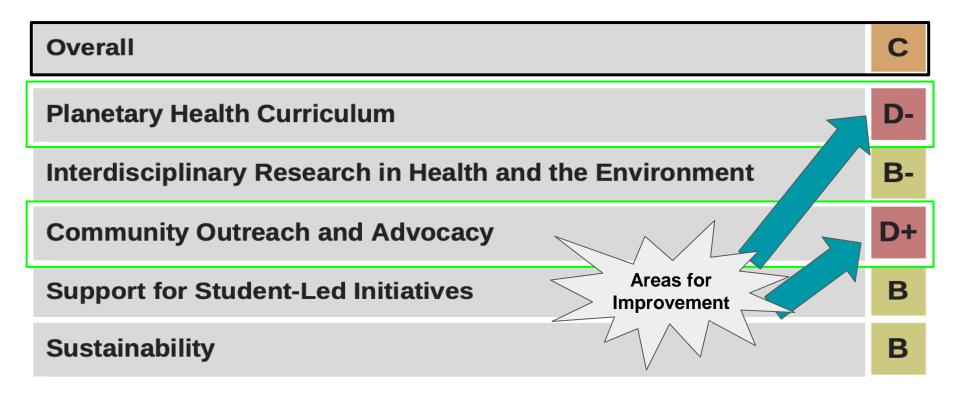


Planetary Health Report Card:

University of Virginia School of Medicine



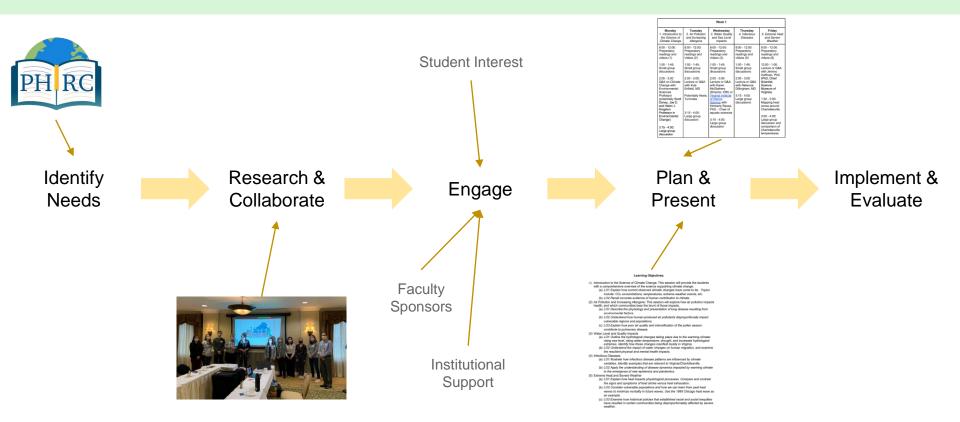
2021 UVA Report Card Results By Section



2021-2022 Education Updates

- Virtual meeting between SON students, SOM students, and original creators of PHRC
- Continued pledges from pre-clinical system leaders to include PH in systems
- 2021-2022 PHRC
- Required lecture for M3 class during B2C course
- 4th-year Elective HUGE success
- Started developing Climate health LO's → now contributing to CRHE
- 2021 AAP Climate Change and Pediatric Health Equity Town Hall Hub
- 2021 PHRC Kylie Fultineer and Venkat Kothandaraman won presentation award!

4th Year Elective



Climate Health Learning Objectives (LO's)

Input

Dean of Curriculum
Curriculum Committee
Faculty Sponsors
System Leaders
Individual Lecturers
Students



Output

Learning objectives

Location in curriculum

Presentation slides

Presentation talking points

References and resources

Test questions

LO: Understand how zoonotic infectious disease risks are impacted by the changing climate and evaluate how marginalized populations can be disproportionately affected by these hazards.

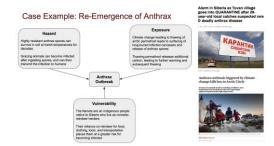
Specifically consider ebola virus, zoonotic malaria, rickettsiosis, lyme borreliosis, leptospirosis, and anthrax.

CLIMATE CHANGE AND COMMUNICABLE DISEASES

Ecosystem perspectives are needed to manage zoonotic risks in a changing climate

Better understanding of how environmental changes affect pathogens, hosts, and disease vectors can help prevent and respond to zoonoses, write **Rory Gibb and colleagues**

Rory Gibb, ¹ Lydia H V Franklinos, ^{1,2} David W Redding, ^{1,3} Kate E Jones^{1,3}



What's coming?

- Earth Day reveal of 2021-2022 PHRC results
- KidVention community-facing event
- Continued hounding of curriculum leaders
- M4 elective offered again for class of 2023!

Acknowledgements

- UVA Student Clinicians for Climate Action
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 - Marcia Childress, PhD, UVA Center for Biomedical Ethics and Humanities
- UVA SOM Curriculum Committee
 - Megan Bray, MD, University of Virginia

References

- 1. Anderson, L.W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing, Abridged Edition. Boston, MA: Allyn and Bacon.
- 2. Gibb R., Franklinos L.H.V., Redding D.W., Jones K.E. (2020). Ecosystem perspectives are needed to manage zoonotic risks in a changing climate. *BMJ*, 371:m3389. doi:10.1136/bmj.m3389
- 3. Stella, E., Mari, L., Gabrieli, J., Barbante, C., & Bertuzzo, E. (2020). Permafrost dynamics and the risk of anthrax transmission: a modelling study. *Scientific reports*, *10*(1), 1-12.
- 4. Kelman, I., & Næss, M. W. (2019). Climate change and migration for Scandinavian Saami: a review of possible impacts. *Climate*, *7*(4), 47.

Thank you for your time!