

Planting the Seed for Climate and Health Education Efforts at VCU

Sustainable Pharmacy Project

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Targeting Student Involvement

- Connecting with larger student organizations
 - Advocacy meeting with SPPAA
- Direct student outreach with monthly General Body Meetings and guest speakers
 - “What questions do you have?”
- Hosting SPP’s first in-person event
 - *Less Litter, More Health*
- Instagram and Newsletter outreach
 - *Sustainable Spotlight Newsletter*

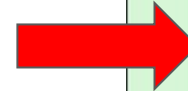


Currently

VCU Planetary Report Card: D

Met with Dr. Alice Gahbauer from University of Charleston WV School of Pharmacy and mentioned working with **Accreditation Council for Pharmacy Education (ACPE)** to integrate topics related pharmaceutical waste into curriculum

Previously had a sustainability elective that was discontinued once the faculty member left the university



2020-2021 Summary Report
North America: United States & Canada (Continued)

Planetary Health Report Card

	Overall	Curriculum	Research	Community Outreach & Advocacy	Support for Student-led Initiatives	Campus Sustainability
McGill University	C	C	C	C-	C-	B-
University of Hawai'i	C	C-	C	C-	C	C
University of North Carolina	C	C-	B+	D	B-	D
Columbia University	C	D	A-	D-	B-	B-
University of Utah	C-	C-	C-	D+	B-	C
University of Minnesota	C-	C-	C-	F	B	C+
University of Rochester	C-	C-	D+	D+	B-	C-
Creighton University	C-	C	D	D+	B	D
Indiana University	D+	C-	D	F	C	C
Geisel School of Medicine at Dartmouth	D	D-	D+	F	A-	D
Loyola Stritch School of Medicine	D	D	D+	D	D-	C+
Virginia Commonwealth University	D	F	D	D	C	D+

80-100% = A, 60-79% = B, 40-59% = C, 20-39% = D, 0-19% = F
Scores within top or bottom 5% awarded + or -, respectively
 = School that participated in the 2019-2020 PHRC

Proposal Method

Using a method that's previously been successful by Georgetown med students, we are aiming to work with a similar method:

- **By providing initial framework, it decreases workload for the faculty**
- **Not changing the current material, only an addition**

We also have materials from MS4SF as a starting point ([Climate Change and Health Web Documents](#))

Identify relevant climate and health topics that impact patient health



Prepare proposals and lecture materials



Present proposals to module coordinators and gather dean support for curriculum integration

Room in Curriculum

- **Infectious Diseases Clinical Therapeutics Module:**
 - Vector ecology, parasitic diseases, antimicrobial resistance as result of mismanaged pharma waste/manufacturing
- **Respiratory Clinical Therapeutics Module:**
 - Air pollution, allergens, inhaler propellants and the environment
- **Foundations Lab:**
 - Medication disposal counseling, advertising disposal services, accepted items, reducing PRN medications, asking about patient home meds
- **Biopharmaceutics:**
 - Inhaler component disposal (MDIs vs. DPIs/SMIs), medication containers and their disposal (#5 plastic, PP), FDA Environmental Risk Assessment as part of NDA process
- **Medicinal chemistry:**
 - Green chemistry, degradation by design (ACS Green Chemistry Institute)
- **IPEC:** interprofessional responsibility



Photo from “Hyderabad’s pharmaceutical pollution crisis: Heavy metal and solvent contamination at factories in a major Indian drug manufacturing hub”



Questions?

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