

Re-X your Rx

WHAT IS THE IMPACT OF

194 BILLION PRESCRIPTION BOTTLES

PRODUCED EACH YEAR?

Single-use plastic prescription pill bottles are a significant source of waste, whether they are tossed in the trash or collected for recycling.



4 BILLION

prescriptions filled every year



90%

prescription bottles end up in landfills



20-30 YRS

to degrade in a landfill

Re-X YOUR Rx

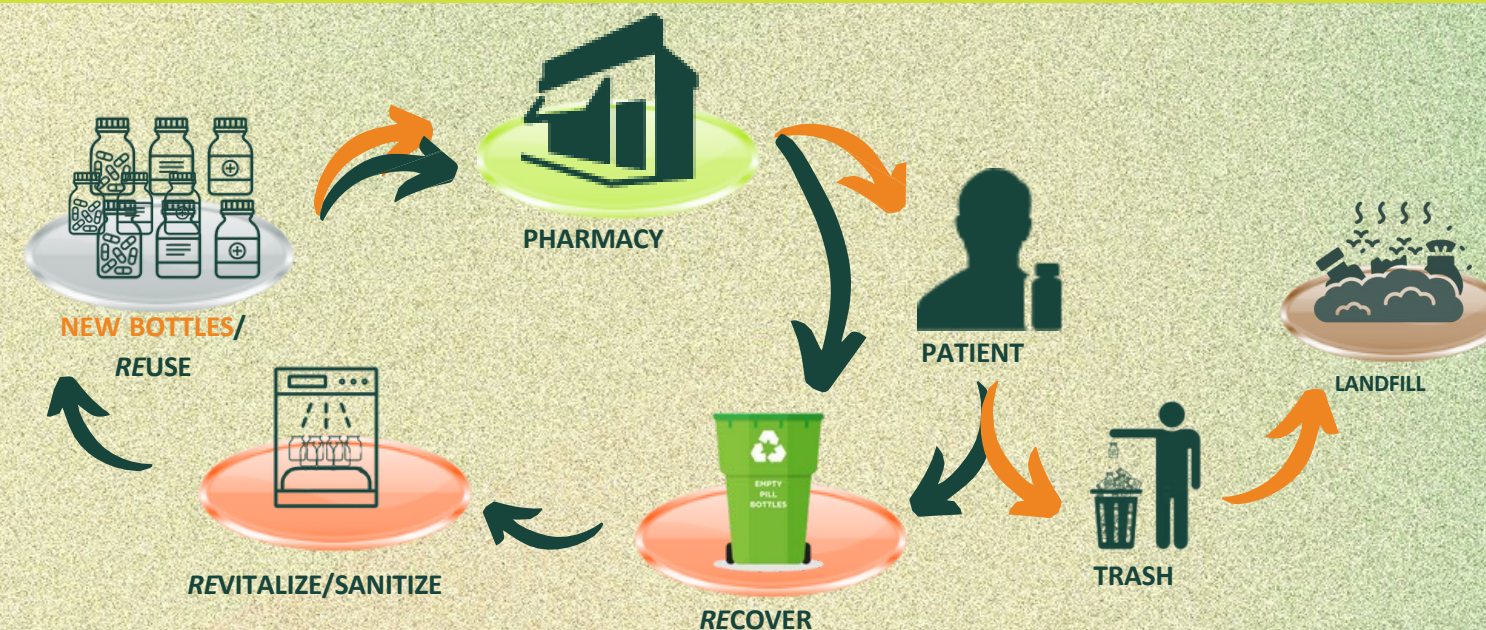
1) RECOVER.

2) REVITALIZE/SANITIZE.

3) REUSE.

CURRENT LINEAR VALUE CHAIN

INNOVATION: LAUNCH a CIRCULAR RECOVERY PROCESS



IMPACT

Environmental: Reduce nearly eleven tons (24,250 lbs) of plastics from landfills in this pilot alone.

Economic: Reduce operational costs for pharmacies and customers. Create jobs.

Community: Educate and motivate users to recycle and reduce plastic wastes.

Dr. Bahar Aliakbarian

Bahara@msu.edu

John Hatfield

JHatfiel@msu.edu



The Axia Institute:
Delivering Value Chain Solutions®
MICHIGAN STATE UNIVERSITY

Holly Roenicke

Roenick3@msu.edu

Dr. Swaminathan "Swami"
Subramanian Sswami@msu.edu