**EXPANDING MEDICATION REPOSITORY PROGRAM** -Minnesota



Public-Health Advocacy Student Alliance

### Medication repository programs have the ability to

- Lower the cost of medications for indigents for Minnesota.
- Improve health outcomes of Minnesota residents due to increased medication adherence due to higher medication availability and lower costs.
- Lower the overall healthcare cost to the state by reducing healthcare problems related to adherence (saves taxpayer
- Removes pollutants from environment.

# **Public** Health

## **Environment**



It's estimated the long term care (LTC) facilities waste two billion dollars of medications each year. Colorado alone estimated that their 220 LTC facilities throw away \$ 10 million (17.5 tons) worth of potentially reusable medications a year. There are 365 LTC facilities within Minnesota. In 2015 the United States had over 1 million Americans that could not receive the medications they needed due to costs. Non-adherence is said to cost the United States health care system \$100-290 billion every year. This proposal could improve patient health within Minnesota by expanding access of care to patients in economic need. Medication recycling programs allow for more patients to receive the medications they need but can't afford while also reducing medication waste. reducing medication waste.

Problem: The Environmental Protection Agency estimated in 2015 that about 740 tons of drugs are wasted by nursing homes each year through out America.

Many LTC facilities, in Minnesota specifically, are mixing unwanted non-scheduled medications with coffee grounds, this is an ineffective measure which ultimately still results in detrimental environmental effects through landfills and water supply

Solution/Success: In Wyoming Since July 2008, the program has processed over 88,000 pounds of donated medications and medical supplies for redistribution. Thus keeping 88,000 pounds of medications from polluting their streams and landfills.

- Is in unopened, tamper-evident packaging;
- Is not adulterated or misbranded;
- Is not a controlled substance;
- 4. Is not expired;5. Is a solid room temperature oral product (unless donated from manufacturer)

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### **Medication repository programs in other states:**

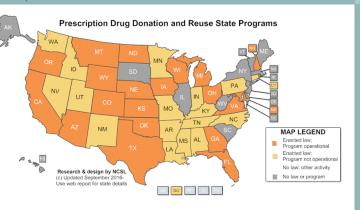
- Twenty states currently have enacted laws with operational repository programs.
- Nineteen additional states are categorized as having non-operational enacted laws.
- Cancer-Specific Programs: 13 states—Colorado, Florida, Kentucky, Michigan, Minnesota, Montana, Nebraska, Nevada, Ohio, Pennsylvania, Utah, Washington, and Wisconsin—none are functional.
- SIRUM runs 4 states medication repository programs: California, Colorado, Ohio, Oregon

### Iowa Medication Repository Program "SafetyNetRx":

- Since 2008 More than \$17.7 million in cost-savings and over 71,000 patients served
- Return in investment high with every \$1 used to administer the lowa Drug Donation Repository generates over \$7 in free medications and supplies.
- Works with 200 facilities that either donate or distribute the 5 million dollars' worth of drugs redistributed every year.

### Wyoming Medication Donation Program:

- Since 2007 more than \$12.5 million in cost saving and over 150,000 prescriptions filled
- Since July 2008, the program has processed over 88,000 pounds of medications
  - Keeping them from polluting their water and landfills.



### Oklahoma Medication Repository Program

- In 2017 Drug Recycling through September, 13,821 prescriptions filled-\$1,333,642 Average Wholesale Price value
- From November 2004 to September 2017, 218,313 prescriptions filled- \$21,559,065 Average Wholesale Price of medication

#### **SIRUM Medication Repository Programs**

- Sirum has provided for 150,000 patients to receive medications
- Serum has prevented at least 241,000 pounds of waste by eliminating the need to produce new medications

### Quotes

"There are millions of dollars of unused meds out there that have not been captured"

- Linda Johnston, Director of social services for Tulsa County Oklahoma

"These are medications that would've otherwise been destroyed"

-Roxanne Homar, Wyoming's state pharmacist

Drug recycling programs pay for themselves "by just working with one patient and saving them and keeping them out of the hospital over the long term"

-lowa's Fries, past CEO of Iowa Prescription Drug Corporation (now SafetyRx)