

**MDEQ MEDICATION COLLECTION GRANT PROGRAM**  
**Ingham County Health Department**  
Project Final Report  
November 2012 – August 2014

**A. Project Overview**

**Project Name**

Community Pollution Prevention Project  
Ingham County Community P2 Grant for the Collection of Unwanted Medications

**Grantee Name**

Ingham County Health Department  
Bureau of Environmental Health  
5303 S. Cedar Street  
Lansing, Michigan 48911  
517.887.4312 office  
517.887.4560 fax

**Reporting period**

Final Report: November 2012 – August 2014

**MDEQ tracking code**

No. 430222-12

**B. Accomplishments Achieved**

The overall goal of the Ingham County Community P2 Grant for the Collection on Unwanted Medications is to establish a permanent, ongoing, county-wide program with a developed “brand” that promotes the program, safe disposal of unwanted medications and reduced access to frequently abused medications. Each major aspect of establishing these goals has been achieved as noted in this quarterly status report.

\*Take-Back Meds “Brand” was designed and promoted across Ingham County. The project has worked to recruit new communities to join in the website at [www.takebackmeds.org](http://www.takebackmeds.org) and the sustainability of the website has been secured as the Ingham Substance Abuse Prevention Coalition has agreed to support on-going maintenance of the website and pay associated fees.

\*There are 15 Pharmacies that have signed up to serve as collection sites in Ingham County for non-controlled household medications. The pharmacies signed a 1-year agreement which is renewable each year. All pharmacies have an interest in maintaining the program to achieve sustainability of the program long-term. The Sparrow Pharmacy Plus Pharmacies have created their own internal promotion for the program. Here is a link to their internal promotional materials: <http://www.sparrow.org/News/Article.aspx?id=1560&sid=1&nid=599&showBack=true>

\*There are 10 law enforcement agencies that have installed a drop box for controlled medications. This covers all law enforcement agencies in Ingham County. Law Enforcement agencies covering Eaton County, Clinton County, Jackson County and Lansing Township have also secured boxes and are actively participating on the project.

\*The Ingham County Sheriff Office has offered to continue collection and disposal of controlled medication after the grant period ends. The ICSO is utilizing the West Michigan incinerator for other disposal functions. The Ingham County Sheriff Office is serving as a leader in narcotic and medication disposal and setting an example for the region. This agreement creates Sustainability for the safe disposal of controlled medications for Ingham County.

\*A total of 3,000 tri-fold brochures and 4,000 quarter-page flyers have been distributed through recycling, community, law enforcement and pharmacy networks. Several calls each week come into the ICHD, Environmental Health Division requesting information about safe medication disposal sites. The City of Lansing recycling Cart program brochure has promoted [www.takebackmeds.org](http://www.takebackmeds.org) and we also provide promotion of the new service at HHW and RecycleRama and other community-based recycling events across Ingham County. More brochures and flyers will be distributed to increase safe medication disposal in our community.

\*Several forms of outreach were utilized to promote the new program and explain to the community why [www.takebackmeds.org](http://www.takebackmeds.org) is the best solution for household medication. Delhi/Holt Senior Center held a leadership session and collection event. Presentations were made to the Ingham Substance Abuse Prevention Coalition members and the Ingham County Triad: this is Law Enforcement, Community and Senior Citizens advocacy group. The "Chief's Meeting" highlighted the medication take-back process and project at three meetings over the grant period. All community recycling events held for Ingham County (RecycleRama), Meridian Township, City of East Lansing all featured new promotions for the Take Back Meds option. Ingham County HHW is promoting Take Back Meds to those that inquire about proper medication disposal. There have also been ads in the City Pulse and Lansing State Journal to provide outreach to members of the community. Several calls (5-8 per week) come into the ICHD, Environmental Health Department to clarify the medication disposal and preparation process.

\*The Mason-Capital Area Prescription Drug Task Force meets monthly and promotes the [www.takebackmeds.org](http://www.takebackmeds.org) website and supports research-based interventions that reduce opiate addiction.

\*The Ingham Substance Abuse Prevention Coalition meets monthly and supports drug disposal goals as part of a larger reduction in addiction and prevention in Ingham County. This Coalition sees its role as key in promoting proper medication disposal.

### C. Summary of staff charges and accomplishments

Amy Ann Moore serves on the Mason-Capital Area Prescription Drug Task Force, Ingham Substance Abuse Prevention Coalition and promotes Take-Back Meds resources to the community.

Amy Ann Moore has provided outreach about replication of Take-Back Meds to other communities through HHW Roundtable, MDARD staff, MDCH Substance Abuse Prevention Services, and Tri-County Metro Narcotic Squad.

### D. Narrative contractor costs

Costs reimbursement has been a time-consuming effort. The Accounting practices of Ingham County, use an electronic ledger system and copies of paid checks have been required for reimbursement. This request required additional administrative time at the Health Department as well as the Controllers Office.

### E. Successes

The Take-Back Meds project was able to secure a letter from the State of Michigan, Licensing and Regulatory Affairs which asserted that the Take-Back Meds procedures would not jeopardize the Pharmacy License or Pharmacist professional license if implanted as written.

The Capital Area Prescription Drug Task Force has voted to utilize fundraising money for awards for a youth media competition. The final product will discourage medication misuse and will also link to the Task Force program promotion – this includes [www.takebackmeds.org](http://www.takebackmeds.org) website.

The Mason-Capital Area Prescription Drug Task Force hosted a Youth Media Competition with winners announced at the annual meeting at Mason High School on March 24, 2014. The winning entry can be found here with two different lengths (1 minute and 2 minutes).

Please promote these links within your networks:

<https://www.youtube.com/watch?v=YUseCMYQTQ0&feature=youtu.be>

[https://www.youtube.com/watch?v=ZR\\_0-vmnSxA&feature=youtu.be](https://www.youtube.com/watch?v=ZR_0-vmnSxA&feature=youtu.be)

## F. Summary of products developed

Several products were developed.

- \*Collection Protocol for law enforcement.

- \*Collection Protocol for pharmacies.

- \*Letter of protocol approval from State of Michigan, Licensing And Regulatory Affairs (LARA) for the pharmacy as a business and the pharmacist professional.

- \*Take-Back Meds Promotional Image.

- \*Website: [www.takebackmeds.org](http://www.takebackmeds.org)

- \*Sign for use over the law enforcement drop-box.

- \*Sign identifying the Pharmacy as participating.

- \*A database to track the medication collection weights of non-controlled medications.

- \*The Tri-fold brochure.

- \*The Quarter-page flyer.

- \*Ads were developed for City Pulse and Lansing State Journal/Community Newspaper.

- \*ICHHD continues to build two portions of our website dedicated to the Take-Back Meds Project.

The first is related to Substance Abuse Prevention:

<http://hd.ingham.org/Home/EnvironmentalHealth/SubstanceAbusePreventionInformation.aspx>

The second is related to Waste Management:

<http://hd.ingham.org/Home/EnvironmentalHealth/WasteManagement.aspx>

## G. Planned activities for the future

- \*Ingham County Health Department will continue to maintain the pharmacy collection of non-controlled medications.

- \*Ingham County Health Department will continue to facilitate communication to the law enforcement agencies on transport dates and schedules.

- \*Ingham County Health Department will work with the Tri-County Metro Narcotics Squad to encourage take-back drop boxes for law enforcement agencies outside of Ingham County.

- \*Ingham County Substance Abuse Prevention Coalition will continue to promote the [www.takebackmeds.org](http://www.takebackmeds.org) project and has requested funding for a Take-Back Meds implementation guide to be developed by ICHHD as part of the funding plan in 2013-14.

- \*The Mason-Capital Area Prescription Drug Task Force will continue to meet and move towards goals that reduce opiate addiction in our region. This group has planned two community forums, held a RADEO training for human service providers and is planning a Pain Management Fall Series for Prescribers on model practices for patient pain management, monitoring and referral to treatment.

## H. Barriers and Deviations

One notable deviation was the lack of utilization of waste-water treatment plant staff to provide transportation of zip-tied bins from pharmacies to the Ingham County HHW shed. The waste water treatment plants that were willing to participate (City of East Lansing, Webberville & Delhi/Holt) ended up with no participating pharmacies in their jurisdiction. Other Waste Water Plant operators were not willing to return phone calls or arrange for trips (City of Lansing & Stockbridge). The use of waste water treatment operators may be useful in the future if we have more pharmacies and once the program is more commonly understood within the community.

A barrier of utilizing waste-water treatment plan staff to transportation pharmacy bins is access to the ICHD HHW shed. The utilization of Ingham County Health Department staff was helpful in ensuring compliance with pharmacy protocol as the program started. During initial drop-off and pick-up trips, pharmacy staff had several questions and protocol clarifications. This was a result of the Pharmacy Owner and Pharmacist agreeing to the program (signing the Letter of Understanding), but not properly training associated pharmacy staff.

One deviation was that Ingham County requested a shift in funding and a budget extension to acquire products that were identified as needed to support the project. More copies, bins, promotion, website support, insert boxes for law enforcement, sharps gloves for law enforcement, signs to promote the project, and advertising to raise community awareness of the project.

Pharmacy Name	Address	City	Total Weight (lbs)
MSU Clinical Center	804 Service Road	East Lansing	107.5
MSU Olin Health Center	East Circle Drive	East Lansing	0
PGPA Pharmacy	3544 Meridian Crossing Drive	Okemos	35.625
Sparrow Pharmacy Plus # 2	129 South Putnam Street	Williamston	122.68
Clinical Pharmacy Services of Mid-Michigan	6250 South Cedar Street, Suite # 2	Lansing	0
Knight Drugs # 21	1540 Lake Lansing Road	Lansing	36.5
McLaren Drug Shop	401 West Greenlawn Avenue	Lansing	39.5
Patient Careway Pharmacy	3955 Patient Care Way	Lansing	44.5
Sparrow Pharmacy Plus # 1	1100 West Saginaw Street	Lansing	133
Sparrow Pharmacy Plus # 10	915 East Michigan Avenue	Lansing	50
Sparrow Pharmacy Plus # 11	1200 East Michigan Avenue, Suite # 310	Lansing	75.79
Leslie Welcome Pharmacy	826 West Bellevue Street	Leslie	0
Stockbridge Pharmacy	110 Clinton Street	Stockbridge	27.5

**Total County Weight (lbs)**

**4606.314**

**Law Enforcement Total (lbs)**

**1660**

**Special Events Total (lbs)**

**1507.719**

**Pharmacy Total (lbs)**

**672.595**

**Household Hazardous Waste Total (lbs)**

**766**

Bin Weight (lbs):	8.5
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**MSU Clinical Center**

804 Service Road, 48823

[illegible]

## MSU Olin Health Center

East Circle Drive, 48823

[illegible]

Bin Weight (lbs):	8.5
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## Clinical Pharmacy Services of Mid-Michigan

6250 South Cedar Street, Suite # 2, 48910

[illegible]

### Knight Drugs # 21

1540 Lake Lansing Road, 48912

[illegible]

**McLaren Drug Shop**

401 West Greenlawn Avenue, 48910

[illegible]

**Patient Careway Pharmacy**

3955 Patient Care Way, 48911

[illegible]**Sparrow Pharmacy Plus # 1**

1100 West Saginaw Street, 48915

[illegible]**Sparrow Pharmacy Plus # 10**

915 East Michigan Avenue, 48912

[illegible]

**Sparrow Pharmacy Plus # 11**

1200 East Michigan Avenue, Suite # 310, 48912

[illegible]

Barrel Wt. (lbs):	21
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Bin Weight (lbs):	8.5
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## Special Events

Varies

[illegible]



<b>Bin Weight (lbs):</b>	<b>8.5</b>
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826 West Bellevue Street, 49251

[illegible]

3544 Meridian Crossing Drive, 48864

[illegible]

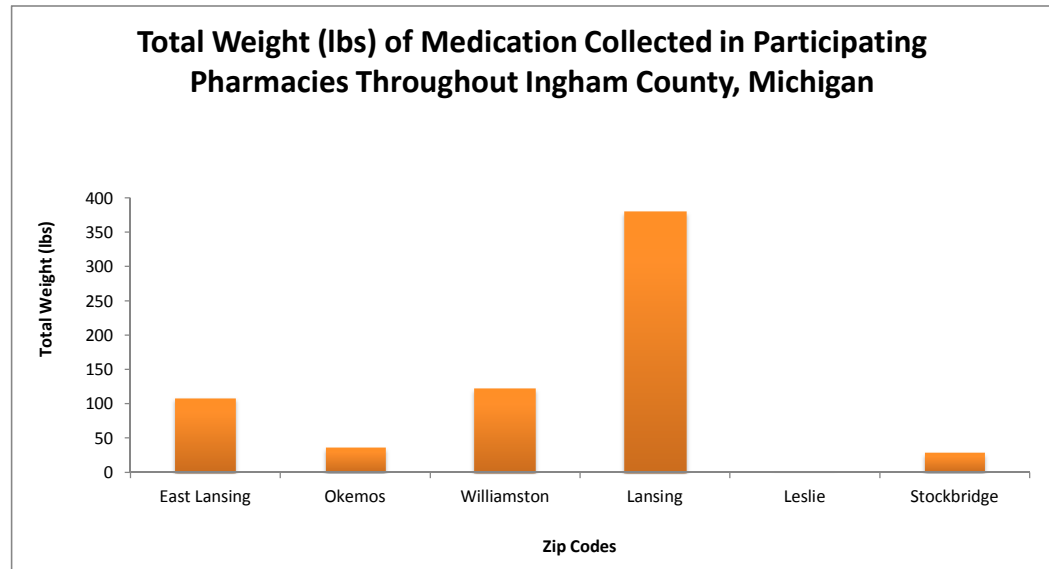
129 South Putnam Street, 48895

[illegible]

110 Clinton Street, 49285

[illegible]

Zip Code	Total Weight (lbs)
<b>48823</b> East Lansing	<b>107.5</b>
<b>48864</b> Okemos	<b>35.625</b>
<b>48895</b> Williamston	<b>122.68</b>
<b>48910</b> Lansing	<b>39.5</b>
<b>48911</b> Lansing	<b>44.5</b>
<b>48912</b> Lansing	<b>162.29</b>
<b>48915</b> Lansing	<b>133</b>
<b>Lansing Total</b>	<b>379.29</b>
<b>49251</b> Leslie	<b>0</b>
<b>49285</b> Stockbridge	<b>27.5</b>



East Lansing	107.5
Okemos	35.625
Williamston	122.68
Lansing	379.29
Leslie	0
Stockbridge	27.5

## Safe Disposal of Medical Sharps

To prevent injury, infection and pollution these items **must** be collected in rigid, sealed containers and disposed of in:

### Suitable Containers:

red medical waste containers, liquid laundry detergent bottles & plastic coffee containers

### Unsuitable Containers:

milk jugs, plastic juice containers, plastic bags & cardboard boxes



### Granger Recycling Center

16936 Wood Road, Lansing  
(517) 372.2800 [www.grangernet.com](http://www.grangernet.com)  
Year Round: Monday - Friday, 9am - 4pm

### Ingham County Health Department

Ingham County Residents ONLY  
Household Hazardous Waste Collection  
(517) 887.4312 [www.hd.ingham.org](http://www.hd.ingham.org)

**May - September**  
**Thursdays 2:00pm - 6:00pm**

## Safe Disposal of Unwanted Medications

The Take Back Meds Program is a joint effort between local pharmacies, law enforcement, health departments, wastewater treatment operators and MDEQ to provide residents with proper household medicine disposal.

### Drop at 15 Locations



### Handle Unwanted Medicine

#### Do NOT

- ❌ Throw in the trash
- ❌ Pour down the drain
- ❌ Flush down the toilet

[www.takebackmeds.org](http://www.takebackmeds.org)



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### Drop at 25 Locations



### Handle Unwanted Medicine Properly

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- ❌ Pour down the drain
- ❌ Flush down the toilet

[www.takebackmeds.org](http://www.takebackmeds.org)



## Household Hazardous Waste Collection

**Thursdays**  
**May - September**  
**2:00pm - 6:00pm**

Ingham County Health Department  
5303 South Cedar Street, Lansing

#### Asphalt Sealing or Roofing Tar

**Flammables:** aerosol products, gasoline, fuel oil (cans are not returned)

#### Fluorescent Lights and Ballasts

**Mercury:** all devices must be sealed in separate bags

#### Oil Based Paint & Paint Products

Pesticides, Herbicides and Fungicides

#### Do NOT Bring:

Antifreeze or Waste Oil

Batteries or Electronics

**Latex Paint:** Add an absorbent material to solidify and throw in regular garbage

For a full list of acceptable and unacceptable items scan the QR code or go to

[www.hd.ingham.org](http://www.hd.ingham.org)



Scan to go to the Ingham County Health Department, Environmental Health Division Main Webpage

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**On-going  
Drop at 15 Locations**



### Handle Unwanted Medicine

#### Do NOT

- ❌ Throw in the trash
- ❌ Pour down the drain
- ❌ Flush down the toilet

[www.takebackmeds.org](http://www.takebackmeds.org)



## Recycle Rama

**March 29, 2014  
9:00am-2:00pm**

Ingham County Health Department  
5303 South Cedar Street, Lansing

#### Appliances and / or Scrap Metal

**Electronics:** computers, any household electronics with cords

**Clothing or Shoes:** any condition

**Dehumidifiers and Room Air Conditioners**

**Household Batteries**

**Medication:** controlled and non-controlled

#### Plus Much More



Scan with smart phone  
Goes to the Ingham County  
Health Department, Bureau  
of Environmental Health  
Main Webpage

#### Volunteer Or For More Information

Contact: (517) 483.4400

or visit

[www.LansingRecycles.com](http://www.LansingRecycles.com)



Capital Area  
**TAKE BACK MEDS**  
Safe Disposal of Unwanted Medications



This program provided by Ingham County Health Department and made possible through a Pollution Prevention Grant from Michigan Department of Environmental Quality.

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**PARTICIPATING PHARMACY**

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[www.takebackmeds.org](http://www.takebackmeds.org)

## Assessment and Resources

Every day 2,500 kids in communities, such as ours, abuse Prescription Drugs just to get high. Please take the following precautions to reduce your household contribution to the addiction and prescription drug abuse. Programs are available to those who need help.

### In the Home

- ◆ Secure all current prescription medications
- ◆ Keep a list of all medications
- ◆ Count pills weekly. One Adderall sells for \$10
- ◆ Properly dispose of unwanted medication, unused or expired at [www.takebackmeds.org](http://www.takebackmeds.org)

### In the Community

- ◆ Report suspected prescribers to the State of Michigan Licensing and Regulatory Affairs at (517) 373.9196
- ◆ Become a partner with the Mason-Capital Prescription Drug Task Force
- ◆ Request materials or speakers
- ◆ Share this information with others
- ◆ 80% of prescription medications come from family members or friends through stealing, borrowing or purchasing
- ◆ Since pills are prescribed, youth mistakenly believe that pills are less risky than alcohol, marijuana or street drugs

### Signs and Risks

- ◆ Males and females ages 16-26
- ◆ Access to loans, credit cards or valuables that can be sold for cash
- ◆ Change in behavior, sleep or physical appearance
- ◆ Change in school attendance and grades
- ◆ History of accident, injury, trauma or alcohol use

### Realities

## Assessment and Resources

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### Realities

## Mason-Capital Area Prescription Drug Task Force

Keeping our community safe



Monthly Meetings Hosted at  
Mason City Hall, Mason MI

Phone: (517) 887.4312  
Email: [amoore@ingham.org](mailto:amoore@ingham.org)

### reaching out is the first step



- ◆ **Friends and Family Support Group**  
Thursdays from 6-8pm at NCA/LRA (3400 South Cedar Street, Lansing: Suite 200)  
(517) 887.0226 or [info@ncalra.com](mailto:info@ncalra.com)
- ◆ **Families Against Narcotics (FAN)**  
4th Tuesday of each Month from 7-8:30pm at University Lutheran Church (1020 South Harrison Road, East Lansing)  
(517) 898.3236 or [Okemos@familiesagainstnarcotics.org](mailto:Okemos@familiesagainstnarcotics.org)



Mason-Capital Area  
Prescription Drug Task  
Force

### reaching out is the first step



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Mason-Capital Area  
Prescription Drug Task  
Force

## Mason-Capital Area Prescription Drug Task Force

Keeping our community safe



Monthly Meetings Hosted at  
Mason City Hall, Mason MI

Phone: (517) 887.4312  
Email: [amoore@ingham.org](mailto:amoore@ingham.org)

## Stereotypes in Society

- Every day 2,500 kids in communities, such as ours, abuse Prescription Drugs just to get high
- 80% of prescription medication come from Family Members or Friends through stealing, borrowing or buying
- Being on pills is difficult to detect
- Pills are reported to be the easiest mood-altering drug of youth age 12 and up
- Since pills are prescription medications, youth mistakenly believe that pills are less risky than alcohol, marihuana and street-drugs

## Why Prescription Drugs?

- Taking Prescription Drugs that are not prescribed to you is considered Prescription Drug Abuse
- In the last 10 years, prescription drug abuse has become more common among youth across the country
- In the Capital Area, our youth are accessing and abusing prescription drugs
- Teens in the Capital Area report that they know youth that buy Adderall to take during finals week
- Youth report that opioid pills/pain killers, are easier to attain than alcohol
- Taking pills with alcohol has caused unintended death of several teens across the Capital Area
- Taking pain pills, snorting pain pills, injecting crushed pain pills is known to lead to heroin addiction

## Program Resources

If you know anyone that has a drug or addiction problem, reaching out is the first step

- **Friends and Family Support Group**

Facilitated by a therapist; Thursdays from 6-8pm at  
NCA/LRA: National Council on Alcoholism/Lansing  
Regional Area  
3400 S. Cedar Street, Lansing; Suite 200  
info@ncalra.com or 517.887.0226

- **Families Against Narcotics (FAN)**

All Welcome; 4th Tuesday of each Month from  
7-8:30pm at University Lutheran Church  
1020 S. Harrison Road, East Lansing, MI  
Okemos@familiesagainstnarcotics.org or 517.898.3236  
<http://www.familiesagainstnarcotics.org/Okemos-Ingham-County>



MASON CAPITAL AREA  
PRESCRIPTION DRUG TASK  
FORCE

## Mason Capital Area Prescription Drug Task Force

Keeping our community safe



MONTHLY MEETINGS  
HOSTED AT  
MASON CITY HALL  
MASON, MICHIGAN

Phone: 517.887.4312  
Email: [amoores@ingham.org](mailto:amoores@ingham.org)



# Assessment & Resources

## Signs & Risks

- Most users are Male or Female, age 16-26
- Access to loans, credit cards, valuables that can be sold for cash
- Change in behavior, sleep, appearance
- History of accident, injury or other trauma
- History of alcohol use
- Lethargic
- Lost Time
- Wearing only long shirts and long pants



## In Your Home

Please take the following precautions to reduce your household contribution to theft, addiction, prescription drug abuse. To avoid theft and pollution:

- Secure all current prescription medications in a lock-box or locked, private room
- Keep a list of all medications
- Properly dispose of all unwanted, unused or expired medications [www.takebackmeds.org](http://www.takebackmeds.org)
- Properly destroy unneeded personal medical information: shred outdated medical records and black-out personal information on prescription bottles
- If you have children in your home- count pills weekly. One Adderall sells for \$10 per pill
- If you know or suspect that medications are missing: Contact non-emergency police and report the crime



## Community

Support your community through awareness and advocacy.

- Report suspected prescribers to the State of Michigan Licensing And Regulatory Affairs. Call and request an "Allegation Form" by calling: (517) 373.9196
- Become a partner with the Mason Capital Area Prescription Drug Task Force
- Contact the Task Force to request materials, speakers and information for your Professional Group, Worksite, Community or School
- Talk about it—Prescription Drug Abuse is new and there is a lot for us all to learn about addressing this new problem

## Model Prevention

The Capital Area approaches risks and protections through research-based proven programs. These programs guide the systems to take positive action.

- Ingham County Drug Court
- Teen Court
- Ingham Substance Abuse Prevention Coalition
- Drug Treatment
- Trained Law Enforcement
- Ingham County Community Plan of Care Committee

## MASON CAPITAL AREA PRESCRIPTION DRUG TASK FORCE

The Mason Capital Area Prescription Drug Task Force mission is to raise awareness of our country's fastest growing narcotic problem – prescription drug abuse. Through networking with medical professionals, legislators, public safety, courts, civic groups, schools, families and friends we advocate prescription medication practices that enhance family and community wellness.

## ? FAQ Frequently Asked Questions

### What happens to the drugs collected through this program?

Currently, the safest method for destruction of unwanted household medication is incineration; not flushing or disposal with trash.

All medications collected will be incinerated at 4000° through a supervised disposal process.

### Why can't I drop off my controlled drugs at a pharmacy?

Controlled substances are strictly regulated by the U.S. Drug Enforcement Agency. The rules for disposal on controlled substances require them to be disposed of by law enforcement agencies only.

All law enforcement agencies in Ingham County and some law enforcement agencies in other counties have a drop box for controlled substances.

### Does Take Back Meds Take syringes, needles, lancets and Epi-pens?

The proper method for disposing of these medical waste "sharps" is through the disposal programs offered by your local health department or community waste hauler.

To prevent injury, infection and pollution, these items must be collected and stored in rigid, sealed containers such as coffee cans or plastic detergent bottles. Red medical waste containers are available for purchase at most pharmacies.

#### Drop off sharps containers in the Capital Area at:

##### Granger Recycling Center

16936 Wood Rd, Lansing

517-372-2800 [www.grangernet.com](http://www.grangernet.com)

Year Round: Monday-Friday, 9 am – 4 pm

##### Ingham County Health Department

##### Ingham County Residents Only

Bureau of Environmental Health

Household Hazardous Waste Drop-off

517-887-4312 [www.hd.ingham.org](http://www.hd.ingham.org)

## Capital Area Take Back Meds [www.takebackmeds.org](http://www.takebackmeds.org)

### Things to Remember

#### Non-controlled medications go to:

My pharmacy: \_\_\_\_\_

Phone: \_\_\_\_\_

#### Controlled medications go to: My Law Enforcement Office

Location: \_\_\_\_\_

Phone: \_\_\_\_\_

Vitamins and supplements are safe to dispose of in household trash.

### When Dropping Off:

- Bring medications in original container/packaging.
- Do **NOT** remove the name of the medication from container
- Block out all identifying personal information on the label

### Never:

- Flush medications down the toilet
- Pour medications in the sink or down the drain
- Throw medications in the trash

For more information visit us online at  
[www.takebackmeds.org](http://www.takebackmeds.org)



## Safe Disposal of Unwanted Medications



[www.takebackmeds.org](http://www.takebackmeds.org)



## Take Back Meds - A drop off program for unused non-controlled prescription drugs and over-the-counter medications.

The Take Back Meds Program is a joint effort between local pharmacies, law enforcement, health department, wastewater treatment and MDEQ to provide residents with safe, convenient access to proper medicine disposal.

Take Back Meds includes many local pharmacies and law enforcement agencies accepting your unwanted medications.

Disposing of your medicines at one of these locations will ensure that your medicines will not be stolen from the garbage, will not enter our environment and eliminates the potential for abuse and overdoses at home.



Department of  
**Environmental Quality**  
PURE MICHIGAN

This program is coordinated by the Ingham County Health Department and made possible through a Pollution Prevention Grant from Michigan Department of Environmental Quality.

## Handle your unwanted medications properly.

### Do NOT

- ❌ *Throw in the trash*
- ❌ *Pour down the drain*
- ❌ *Flush down the toilet*

visit [www.takebackmeds.org](http://www.takebackmeds.org) for more info.

## Non-Controlled Medications

### What is a non-controlled medication?

Non-controlled substances include over-the-counter medications and medications that are prescribed to treat medical conditions such as high blood pressure, diabetes, and bacterial infections.

Prescriptions for non-controlled substances are not subject to all of the limitations that controlled substance prescriptions are.

#### Accepted at Participating Pharmacies:

- ✔ **Non-controlled drugs**
- ✔ **Antibiotics, steroids**
- ✔ **Prescription medications**
- ✔ **Over-the-Counter medications**
- ✔ **Cold and flu medications**
- ✔ **Pet medication**

### Where can I take my non-controlled medication for safe disposal?

Drop off unwanted non-controlled medications to a participating pharmacy. Look for the Take Back Meds logo in the window or ask your local pharmacy if they are partners with the program.

A complete list of participating pharmacies can be found at [www.takebackmeds.org](http://www.takebackmeds.org).

## Controlled Medications

### What is a controlled medication?

A controlled substance is a drug or chemical whose manufacture, possession, or use is regulated by the government because of the potential for abuse or addiction. Such drugs include those classified as narcotics, stimulants, depressants, hallucinogens, and cannabis.

Controlled substances don't include many prescription items such as antibiotics. Based on rules made by the United States Drug Enforcement Agency (DEA) medications that are controlled may only be disposed of by law enforcement agencies.

### Where can I take my controlled medication for safe disposal?

Every law enforcement agency in Ingham County has a no questions asked drop-box for proper disposal of controlled drugs.

#### Accepted At Law Enforcement Agencies:

- ✔ **Controlled and illegal drugs**
- ✔ **Pain relievers**
- ✔ **Anti-depressants**
- ✔ **Sleep aids**
- ✔ **Behavior modification medication**
- ✔ **Cough medication**

## How to Prepare All Medications for Disposal.

- Bring medications in original container/packaging.
- **Do NOT** remove the name of the medication from container.
- Block out all identifying personal information on the label.

*Please stay in the pharmacy area until the pharmacy staff have reviewed and accepted your medication for disposal.*





[www.takebackmeds.org](http://www.takebackmeds.org)

Thank you for properly disposing of unwanted household medications. Your time today will protect our environment and prevent medication abuse. Please carefully review the information below.

**Items disposed of through this pharmacy site must be:**

- Non-Controlled Drugs
- Prescription Medications
- Over-the-Counter Medications
- Vitamins, herbal remedies and supplements
- Antibiotics, steroids
- Cold and Flu Medication
- Pet Medication

**Preparing Medication for Proper Disposal:**

- Bring Medications in the original container.
- Do NOT remove the name of the MEDICATION.
- Block-out all identifying PERSONAL information on the prescription label.
- Stay in the pharmacy area until the pharmacy staff have reviewed and accepted your medication for disposal.

**Based on rules made by the Drug Enforcement Agency (DEA), medications that are “Controlled Drugs” may only be disposed of by law enforcement agencies. Every law enforcement agency in Ingham County has a drop-box for proper disposal of the following:**

- Narcotics
- Medicine used to treat Attention Deficit Disorder (ADD)
- DEA Controlled Substances
- Illegal Drugs
- 

Currently, the safest method for destruction of unwanted household medication is incineration, not throwing in the trash or flushing. This pharmacy will provide collection and sorting of non-controlled household medications that will then be incinerated through the Ingham County Health Department, Bureau of Environmental Health.

**Do you have other medical items? See reverse for more disposal options.**



## **Disposal Options for OTHER Household Medical Waste**

### **Household Sharps**

Residents who use syringes, needles and lancets to administer medications at home and produce “sharps” medical waste can prevent injury, infection and pollution by utilizing the Ingham County, Medical Sharps Disposal Program. Items must be collected in rigid and enclosed containers such as red medical waste containers, coffee cans or plastic detergent bottles.

### **Granger Recycling Center**

[www.grangernet.com/517.372.2800](http://www.grangernet.com/517.372.2800)

16936 Wood Road, Lansing Charter Township, Michigan 48906

All Year: Monday – Friday from 9 am – 4 pm

### **Ingham County Health Department Household Hazardous Waste Collection**

Ingham County Human Services Building

5303 S. Cedar, Lansing

Follow the signs to: Household Hazardous Waste Collection

May through September

Thursday 2-6 pm

Other Household Hazardous Waste Products collected May through September:

- Hydrogen peroxide, rubbing alcohol
- Aerosol Cans
- Mercury containing products such as thermometers (in plastic bags)
- Nail polish, nail polish remover, perfumes
- Acids and bases (pool chemicals, toilet bowl cleaners)
- Pesticides: lice shampoo, flea bath and powder, insecticides

This program is made possible by donated hours from participating pharmacies, law enforcement, municipal public works, local public health departments and you. To maintain this program we rely on your help and commitment. To offer suggestions or to become a volunteer, please contact the Ingham County Health Department, Recycling Hotline: 517.887.4521 or visit: [www.ingham.org](http://www.ingham.org), Health Department, Bureau of Environmental Health, Recycling.



# **Collection of Unwanted Household Medication**

## **Ingham County Planning Meeting**

Ingham County Health Department has been awarded a 2-year grant to establish a year-round pharmaceutical take-back program. The program expands citizen options to dispose of unwanted medication across Ingham County. The program will be for both controlled (law enforcement drop boxes), and non-controlled (community pharmacy) with disposal through the Ingham County Health Department. Non-controlled transportation is being provided by local municipalities.

**Please join us for a Team Meeting to discuss  
program design & establish standard operating  
procedures for you community**

**Tuesday, February 18**  
**10:00 am - 11:30 am**

**Ingham County Sheriff's Office**  
**630 North Cedar Street, Mason**  
**(Take Sidewalk to "Training Room Entrance")**



# Explained

## The New Capital Area Take-Back Meds Program

Thursday, March 6

10:00–11:30am

Sam Corey Senior Club, Holt

There is a new process in our community to properly dispose of medications. Medications are collected at Pharmacies and Law Enforcement Agencies and are subsequently incinerated to prevent medical pollution of groundwater and surface water. The intention of this presentation is to explain the process and how this new system protects our community. To dispose of medication, see the Luncheon announcement below. **NO MEDICATIONS WILL BE ACCEPTED AT THIS EVENT.** Please bring your questions and interest in the improved system for medication collection. You will learn about the laws and policies that help out community to be more safe and responsible.

---

# Disposal

## Safe Medication Disposal Luncheon

Wednesday, March 19

12:00–2:00pm

Sam Corey Senior Club, Holt

Medications will be collected and properly disposed of on-site.

**MEDICATIONS MUST BE IN THEIR ORIGINAL CONTAINER WITH THE LABEL ON EACH BOTTLE**

Law Enforcement from the Ingham County Sheriff Office—Delhi Post will collect and dispose of controlled medications while Pharmacies and Ingham County Health Department will collect and dispose of non-controlled medications.

[www.takebackmeds.org](http://www.takebackmeds.org)



State of Michigan

SHERIFF'S OFFICE

---

Gene L. Wriggelsworth  
Sheriff

630 North Cedar Street  
Mason, Mi 48854  
(517) 676-2431  
FAX (517) 676-8299

Allan C. Spyke  
Undersheriff

Greg S. Harless  
Chief Deputy

Joel Maatman  
Major

## **MED DROP OFF PROGRAM**

1. HAVE ALL AREA DEPARTMENTS BRING THEIR MEDS TO THE ICSO.
  - a. ICSO QUARTERMASTER WILL SEND OUT NOTIFICATION OF THE DAY AND TIMES FOR THE MEDS TO BE DROPPED OFF.
  - b. THE MEDS WILL BE DILEVERED BY A CERTIFIED OFFICER FROM EACH DEPARTMENT PARCIPATING IN THE MED DROP OFF PROGRAM.
  - c. WEIGH AND SIGN OFF FOR EVERY BOX.
  - d. ICSO QUARTERMASTER AND THE OFFICERS DELIVERING THE MEDS WILL SIGN THE FORM AND INITIAL WITH A DATE ON THE LABELS OF EACH BOX DELIVERED.
  - e. ALL MEDS MUST BE IN A BOX AND SEALED WITH EVIDENCE TAPE.
  - f. ALL BOXES MUST BE SECURED AND NOT DAMAGED AND/OR LEAKING.

**NOTE:** IF A BOX DOES NOT MEET THE STANDARDS LISTED ABOVE WE WILL NOT ACCEPT IT.

2. THE MEDS WILL BE HOUSED IN THE EVIDENCE ROOM AT THE ICSO. OVERNIGHT. WE DO NOT HAVE THE SPACE TO HOUSE ALL THE MEDS FOR A PERIOD OF TIME LONGER THEN OVERNIGHT.
  - a. THE OFFICER IN CHARGE OF TAKING THE MEDS TO KENT CO. WILL CALL AHEAD OF TIME TO INSURE THE PLANT WILL TAKE THE MEDS.
  - b. LISTED BELOW IS THE CONTACT @ KENT CO. WASTE TO ENERGY.

BILL ALLEN @ (616)336-4355

3. ICSO QUARTERMASTER AND THE 2<sup>ND</sup> CERITIFIED POLICE OFFICER WILL LOAD THE TRUCK.



- a. INSPECT THE BOXES AND MAKE SURE THE SEALS ARE IN TACT AND THE BOXES ARE NOT LEAKING OR DAMAGED.

KENT CO. WASTE TO ENERGY PLANT  
950 MARKET AVE. SW  
GRAND RAPIDS MI 49503

**NOTE:** IF A BOX DOES GET DAMAGED DURING THE LOADING AND/OR TRANSPORT PHASE. MAKE SURE YOU CLEARLY NOTE ON THE SHEET WHICH BOX WAS DAMAGED AND PREPARE A SUPPLEMENTAL REPORT ON THE INCIDENT AND HOW YOU FIXED AND/OR RE-PACKAGED THE MEDS. MAKE SURE TO INCLUDE THE 2<sup>ND</sup> OFFICER IN THE REPORT AND ALSO HAVE THEM SIGN AND DATE THE REPORT.

- b. BOTH OFFICERS WILL DRIVE TO KENT CO. WASTE TO ENERGY FACILITY.
  - a. GO TO THE ROLL UP DOOR ON THE NORTH SIDE OF THE BUILDING.
  - b. YOU WILL BE UNLOADING ALL THE MEDS THERE.
  - c. REMEMBER THIS IS AN INDUSTRIAL ZONE SO YOU WILL NEED THE FOLLOWING.

**EQUIPMENT:** HARD HAT, EYE AND EAR PROTECTION. LONG SLEEVE SHIRT OR COAT.

- d. YOU WILL THEN GO TO THE 3<sup>RD</sup> FLOOR TO SIGN IN.
- e. YOU WILL THEN GO TO THE 5<sup>TH</sup> FLOOR AND THROW THE MEDS INTO THE HOPPER BIN.
- f. IF YOU THROW THEM INTO THE FRONT OF THE BIN YOU WILL NOT HAVE TO WAIT AS LONG FOR THEM TO ENTER THE INCINERATOR.
- g. COMPLETE THE INCINERATOR FORMS.
- h. MAKE 3 COPIES. ONE COPY FOR HEALTH DEPARTMENT, ONE COPY FOR THE DEPT. THAT DROPPED OFF THE MEDS AND ONE COPY FOR YOUR RECORDS.
- i. IF THE DEPARTMENT DROPPING OF THE MEDS WOULD LIKE A FAXED COPY OF THE SIGNED FORMS THEN THEY WILL HAVE TO PROVIDE THEIR FAX NUMBER ON THE MED DROP OFF FORM.

# Safe Disposal of Unwanted Medications

The Take Back Meds Program is a joint effort between local pharmacies, law enforcement, health departments, wastewater treatment and MDEQ to provide residents with proper household medicine disposal.

[www.takebackmeds.org](http://www.takebackmeds.org)



## Handle Unwanted Medicine Properly

### Do NOT

- ❌ Throw in the trash
- ❌ Pour down the drain
- ❌ Flush down the toilet



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## Safe Disposal of Unwanted Medications

To view a list of participating Pharmacies and Law Enforcement Agencies visit

[www.takebackmeds.org](http://www.takebackmeds.org)

### Prepare you Mediation for Disposal

- ✔ Bring medications in original container or packaging
- ✔ Block out all identifying personal information on label
- ✔ Do NOT remove the name of the medication from the container or package

### Safe Disposal of Sharps

To prevent injury, infection and pollution these items must be collected and stored in rigid, sealed containers

#### Granger Recycling Center

16936 Wood Road, Lansing  
(517) 373.2800  
[www.grangernet.com](http://www.grangernet.com)  
Monday-Friday 9am-4pm

#### Ingham County Health Department

Household Hazardous Waste Collection  
(517) 887.4312  
May-September  
Thursdays 2-6pm



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1. COPY



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
BUREAU OF HEALTH CARE SERVICES

STEVE ARWOOD  
DIRECTOR

July 29, 2013

James R. Wilson, R.S., M.S., Director  
Bureau of Environmental Health  
Ingham County Health Department  
5305 S. Cedar Street  
Lansing, Michigan 48911-7661

Dear Mr. Wilson:

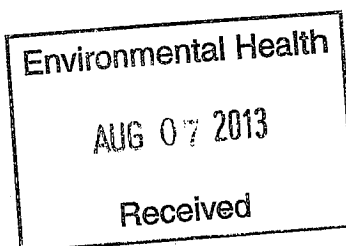
We have reviewed your proposed collection protocol for unused or unwanted household medication and their disposal here in Ingham County and we support your efforts to protect the public and environmental health of our community.

Please assure any participating pharmacy or pharmacists that their involvement with this project should not impact their license to practice as long as they comply with the protocol established by your office and comply also with the conditions outlined in the *Letter of Understanding* drafted by the Ingham County Legal Council. Further, we appreciate their willingness to assist in protecting the public's health, safety and welfare.

We wish you success with this medication disposal initiative.

Sincerely,

Carole H. Engle, Director  
Bureau of Health Care Services



LARA is an equal opportunity employer/program.

Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

HEALTH PROFESSIONS DIVISION

611 W. OTTAWA ST. 1<sup>ST</sup> FL • P.O. BOX 30670 • LANSING, MICHIGAN 48909

[www.michigan.gov/healthlicense](http://www.michigan.gov/healthlicense) • (517) 335-0918

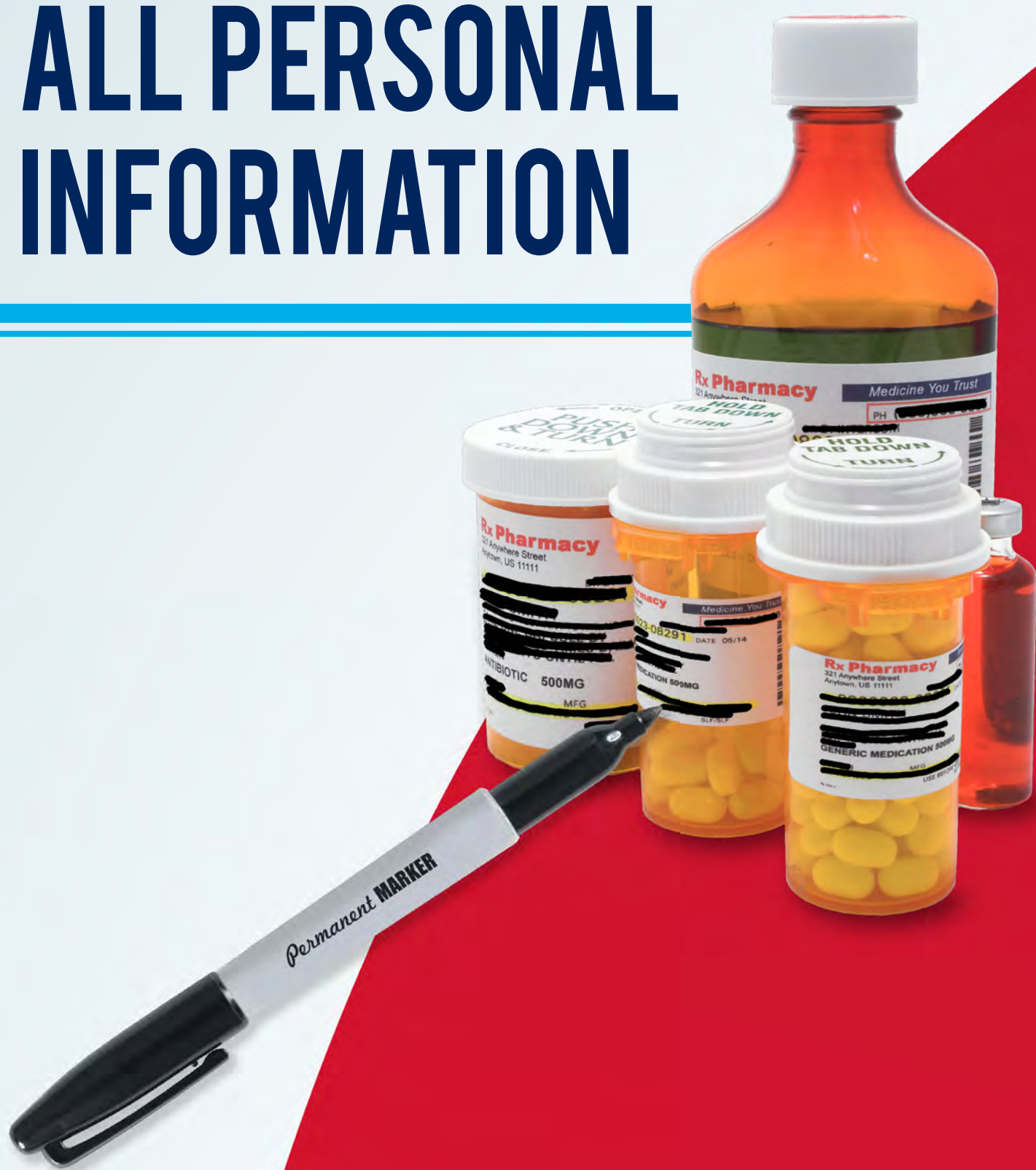


# CAPITAL AREA TAKE BACK MEDS

# DRUGS DROP OFF

*Please*

**BLACK OUT OR REMOVE  
ALL PERSONAL  
INFORMATION**



## ACCEPTED HERE

**Controlled substances such as:**

- ✓ **Pain Relievers**  
- Vicodin, Hydrocodone, Demerol, Oxycodone, Fentanyl
- ✓ **Anti-Depressants**  
- Valium, Xanax, Zoloft, Prozac
- ✓ **Sleep Aids**  
- Ambien, Lunesta, Sonata
- ✓ **Behavior Modification Medication**  
- Ritalin, Methylphenidate, Adderal
- ✓ **Cough Medication**  
- With Dextromethorphan

## NOT ACCEPTED HERE

- ⊘ All other prescription medications
- ⊘ Over-the-Counter drugs
- ⊘ Medicated ointments & lotions
- ⊘ Vitamins & supplements
- ⊘ Needles, syringes, lancets, epi-pens
- ⊘ Thermometers
- ⊘ Bloody or infectious waste
- ⊘ Insulin and inhalers

For proper disposal options visit [www.takebackmeds.org](http://www.takebackmeds.org)



Department of  
**Environmental Quality**  
PURE MICHIGAN



This program provided by Ingham County Health Department and made possible through a Pollution Prevention Grant from Michigan Department of Environmental Quality.



Renée Branch Canady, PhD, MPA, Health Officer  
Sugandha Lowhim, MD, MPH, Medical Director

---

**City of Lansing, Michigan Pharmacists Association, Ingham County and State of Michigan  
Partners to Improve Community Health Capacity – Take-Back Meds**

**FOR IMMEDIATE RELEASE**

**CONTACT: Amy Ann Moore**

**Date: Wednesday, August 14, 2013 at 1 pm**

**CALL: (517) 887-4312**

Medication Mis-Use is on the rise and four out of five times medication that is abused comes from our own household medicine cabinets. The State of Michigan, Michigan Department of Environmental Quality, Michigan Pharmacists Association, Ingham County Health Department, Ingham County Sheriff's Office and City of Lansing Police invite our neighbors to learn more about community standards and services to properly dispose of un-wanted medication.

Most people know not to flush or trash un-wanted medicine, but what is the right way to dispose of it? Incineration is the best option, but there are many federal laws that restrict collection methods that risk mixing controlled with non-controlled medication. Grants from the Michigan Department of Environmental Quality have provided five counties with demonstration grants to establish projects across Michigan to help collect and incinerate un-wanted medication. The Ingham County project recruits pharmacies to opt-into an agreement with the Ingham County Health Department for collection and disposal through incineration of non-controlled medications. The pharmacy agrees to sort medicines and only accept non-controlled medicine. If a medication is a "controlled" medications (a medication with a street value – see: <http://www.deadiversion.usdoj.gov/schedules/>) the individual is directed to any law enforcement agency in Ingham County to be placed in a drop-box. City of Lansing Police Headquarters at Capitol and Michigan Avenue in Lansing is one of ten locations.

A community system for proper medication disposal takes the partnership of Michigan, Ingham County and the City of Lansing. Michigan Department of Environmental Quality, Deputy Director Jim Sygo says, "Ingham County is doing great work with its drug collection program. This program is important because it keeps pharmaceuticals out of our water supply, and water is a key resource in this state. The DEQ is proud to be a partner in this effort to help educate county residents and provide safe, convenient access to drug collection."

Bureau of Environmental Health  
5303 South Cedar Street ♦ Lansing ♦ MI 48911-7661  
Phone: (517) 887-4312 ♦ Fax: (517) 887-4560 ♦ <http://hd.ingham.org>  
Ingham County is an Equal Opportunity Employer

In the end the medications are all incinerated, but there are strict Drug Enforcement Agency rules about who can handle “controlled” substances, therefore the collection streams must be separated at patient drop-off. Renée B Canady PhD MPA, Health Officer of the Ingham County Health Department commented, “The supporters that are making this community protection happen are the hero’s of this story. The project has been met with support from all agencies. The positive attitude and responsiveness to protect kids and protect ground water and surface water has created a strong and supportive partnership throughout this project.” The full partnership list includes: Michigan Department of Environmental Quality, Pharmacy owners, Pharmacists, Ingham County Health Department/Bureau of Environmental Health, Ingham County Sheriff’s Office, Law Enforcement, municipal Waste Water Treatment Plant operators and the drug-free coalitions. Pharmacies are still eligible to sign-up to serve as a drop-off location for non-controlled medications and can contact the Ingham County Health Department to join the efforts.

Lansing Police Chief Michael Yankowski says, “Our agency is pleased to partner with the Ingham County Health Department to support proper disposal of medication in our community. Our Lansing Police Headquarters in downtown Lansing offers a convenient drop-off location as part of a proper medication disposal system. Not only does this help the environment, but most importantly, it reduces the amount of medicine in our community that is often abused and mis-used.”

Ingham County Sheriff, Gene Wriggelsworth, says, “We are happy to offer our part in keeping the members of the community safe while protecting the environment at the same time. All too often, illegal substances end up in the wrong hands. With members of the community taking the initiative to drop off old medications, it makes everyone’s job much easier.”

“Each year, Michigan Pharmacists Association (MPA) holds the Medication Disposal Event at the Capitol to increase awareness of safe medication disposal and to provide an opportunity for local residents to safely remove unused or expired medications from their households so that they don’t end up in the wrong hands,” said Larry Wagenknecht, MPA chief executive officer. “The disposal event also highlights the important role that pharmacists play in both health care and patient safety. Programs such as the one being organized by the Ingham County Health Department as well as the event MPA will hold on Tuesday, September 10 from 10 a.m.-1 p.m. on the south Capitol lawn in Lansing help keep our communities safe and prevent medications from being misused or abused.”

Join us Wednesday, August 14 at 1 pm at Lansing Police Headquarters to learn more about proper medication disposal options in the Ingham County community.

Find more information at: <http://hd.ingham.org>

###



# Trends in Prescription Drug Use and Abuse

- Prescription Drug Use & Abuse Statistics
  - Health & Safety Risks
- Environmental Health Consequences
  - Concerned Stakeholders
  - Model Community Action
    - The Future



Welcome: review room set-up. Introductions. Hospitality: bathrooms, length of meeting. Brief Agenda of the meeting.



# Prescription Drug Abuse



**“The use of a medication without a prescription, used in a way other than as prescribed, or used for the experience or feelings elicited”**

- Drinking over-the-counter cough syrup containing  
DXM also Dextromethorphan
- Taking attention-deficit hyperactivity disorder (ADHD) medications to study for finals  
Adderall/Ritalin/Concentra
- Taking medications to seek euphoric effects  
Amytal, Phenobarbital, Codeine, Oxycontin, Percodan, Tylox, Vicodin, Demerol, Dilaudid, Darvocet, Dextromethorphan

“Prescription Drugs: Abuse and Addiction” Research Report Series

US Department of Health and Human Services/National Institute of Health/National Institute on Drug Abuse

<http://www.teenoverthecounterdrugabuse.com/dextroamphetamine.html>

DXM is an ingredient in over 120 common over-the-counter medicines. Most combination drugs for colds and flus contain DXM, including ones with trademarked names including Alka-Seltzer, Actifed, Bayer, Comtrex, Coricidin, Contac, Vicks, Pediacare, Theraflu, Sudafed, Triaminic, and Tylenol.

Any medicine with "tuss" in its name contains DXM, such as Robitussin, Pertussin, and Tussafed. Other common trademarked products are Benylin, Bromarest, Calmylin, Cardec, DayQuil, NyQuil, Delsym, Dimetane, Dristan, Dexan, Ornex, and Viravan.

<http://www.drugabuse.gov/drugs-abuse/commonly-abused-drugs/commonly-abused-prescription-drugs-chart>

Prescription Drug Chart - euphoric

## Prescription Drug Abuse



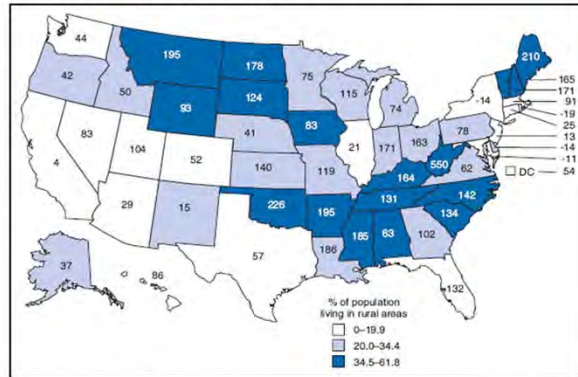
### **Teens report pills are cheap and easy to get**

- 60% from a friend or relative
- 8% purchased from a friend or relative
- 4% taken from a friend or relative
- 17% physician prescribed

## The Problem

- Unintentional Poisoning has increased 62% from 1999 to 2004 – for both prescription and over-the-counter medication
- Within that increase, 84% were sedative-hypnotics and anti-depressants
- Prescription Pain Killers are a major contributor to the dramatic increase in unintentional poisoning

FIGURE. Percentage change in unintentional poisoning mortality rates,\* by rural status of state† — United States, 1999–2004



\* Age-adjusted rates per 100,000 population.

† Defined as the percentage of the population living in census blocks below a certain population density, based on U.S. Census data for 2000 (-4).

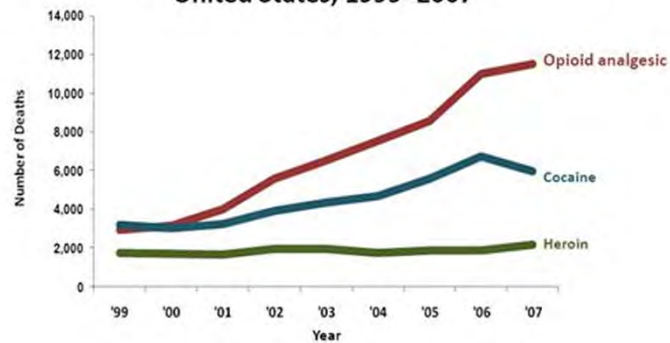
**CDC/MMWR 2-9-2007/Unintentional Poisoning Deaths --- United States, 1999—2004**

Mid-South Substance Abuse Commission, "Prescription Logic Model 2010". Logic Model: Connecting Priority Need to Strategies and Evaluation Measures

# Dramatic Rise in Opioid Overdose Deaths



Unintentional Overdose Deaths Involving Opioid Analgesics, Cocaine and Heroin  
United States, 1999–2007



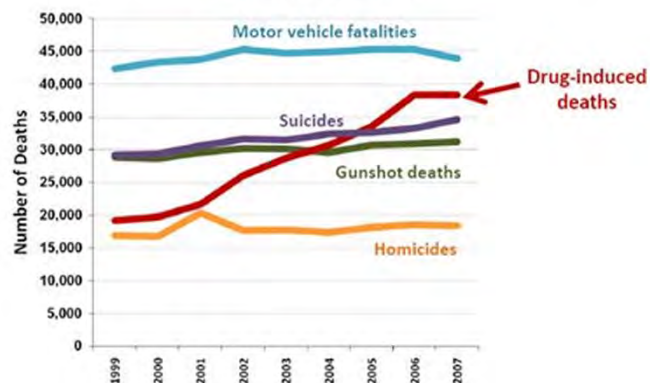
Source: Centers for Disease Control and Prevention. *Unintentional Drug Poisoning in the United States* (July 2010).

<http://www.whitehouse.gov/ondcp/prescription-drug-abuse>  
“Prescription Drug Abuse” website

# Rise in Drug-Induced Deaths



Drug-Induced Deaths Second Only to Motor Vehicle Fatalities, 1999–2007



Source: National Center for Health Statistics, Centers for Disease Control and Prevention, National Vital Statistics Reports Deaths: Final Data for the years 1999 to 2007 (2001 to 2010).

<http://www.whitehouse.gov/ondcp/prescription-drug-abuse>  
“Prescription Drug Abuse” website

## U.S. & Michigan Behaviors



### U.S. Pain Medication Consumption

The U.S. comprises 4.6% of the world population and consumes 80% of the world's opioid supply & 99% hydrocodone supply and 67% of the world illegal drug supply.

### Michigan Data

- Between 2002-2007 Michigan publicly funded substance use treatment centers saw a 182% increase in people reporting prescription drug abuse, at time of admission.
- Michigan has one of the highest rates of teen prescription drug abuse in the country at 12%
- Within the Capital Area, 3.4% of 8<sup>th</sup> graders, 9% of 10<sup>th</sup> graders and 15.9% of 12 graders reported using prescription drugs illegally at least once in their lifetime

National Survey on Drug Use and Health 2006

[www.aispp.org](http://www.aispp.org) American Society of International Pain Physicians

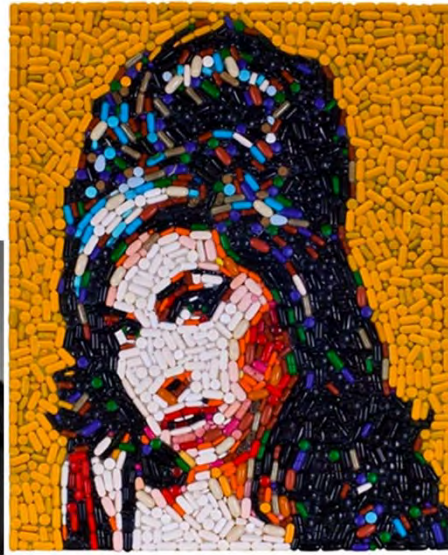
TEDS – Treatment Episode Data Set, Mid-South Substance Abuse Commission

Medical News Today, April 28, 2007

Mid-South Regional Reporting – OTC Drug Abuse Reporting by 8<sup>th</sup>, 10<sup>th</sup> and 12 graders



## Social Trends in Drug Use



Amy Winehouse – drug overdose on RX drugs

Cory Monteith – drug overdose on RX drugs

Philip Seymour Hoffman - heroin

## Emerging Environmental Health Consequences



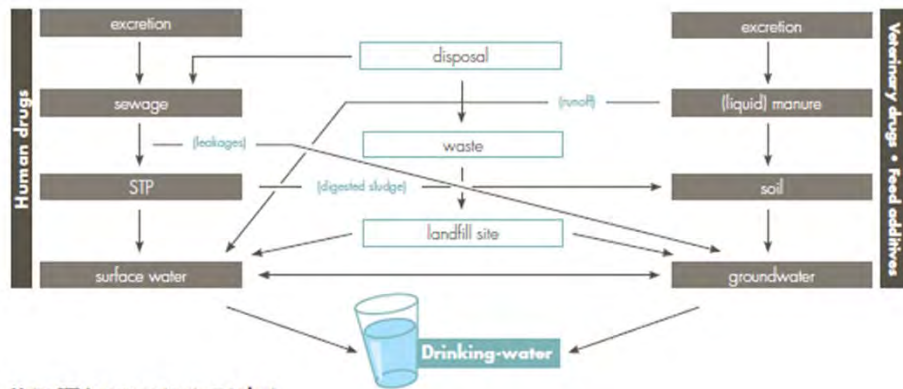
- The use of pharmaceuticals has resulted in their metabolites discharging into sources of drinking water (aquifer and well water)
- Medication metabolites (caffeine, female hormones and psychotropics) have been detected at trace levels in Michigan groundwater & surface waters
- Thousands of Ingham County residences are supplied by on-site wells.

WHO 2012

**City of Ann Arbor, 2004-5**



# Pathways to Pollution



Note: STP is sewage treatment plant

- Flushing down the toilet
- Landfill leachate

## Prevention



- Wastewater treatment technologies do not address pharmaceutical contamination
- Measures most effective to prevent contamination
  - policies & regulations regarding disposal practices
  - take-back programs
  - enhanced consumer education & guidance
- Programs & initiatives vary in scale

WHO 2012

## Concerned Stakeholders



- **Federal**

US Department of Health and Human Services, Environmental Protection Agency, Food and Drug Administration, Department of Defense, Department of Justice, American Academy of Pain Management

- **Michigan**

Prevention Network of Michigan, State of Michigan, Michigan Automated Prescription System (MAPS), Michigan State Police, Substance Abuse Prevention and Treatment Community, Michigan Pharmacist Association, Department of Environmental Quality

- **Local**

Substance Abuse Prevention Coalitions, Treatment Providers, Hospitals, Pharmacies, Physicians, Schools, Law Enforcement, Recycling Coordinators, Health Departments, Jails, Courts, Trauma-Informed Care, Insurance Providers, Suicide Prevention, Families

## Community Action



- Set a good example through your own behavior
- Connect with your local Substance Abuse Prevention Coalition
- Share information with School Personnel
- Discuss facts with neighbors and parents
- Reach-out to local law enforcement through Neighborhood Watch
- Re-distribute un-expired/un-opened medication to 3<sup>rd</sup> world countries
- Promote proper disposal of prescription drugs

## **Snap-Shot of Current Medication Take-Back Events**



- Household Hazardous Waste – On-Going
- Medical Collection – One Time Events
- Recycle-Rama – Large Community Event
- Law Enforcement Drop-Box
- Pharmacy Collection and Disposal

# Household Hazardous Waste



## Benefits

- Permanent Location
- One-Stop Recycling
- Sorting/Disposing of various polluting materials
- Grant Covers Staff-Time and Disposal Costs

## Costs

- No Controlled Substances
- High Staff Commitment
- No Winter Hours

## Medical Collection – One Time



### Benefits

- Controlled and Non-Controlled Collected
- Intimate Event



### Costs

- High Promotion
- Recycling of Bottles
- Other Products: lotions, patches, sprays, sharps





## RecycleRama – Saturday 3/29



### Benefits

- Large-Scale
- Volunteers (200)
- Stations
- Many Partners
- Ease of Promotion

### Costs

- Long-Range Plan
- Annually in Spring



# Law-Enforcement Drop-Box



## Benefits

- Permanent
- Consistent 24/7
- Expands Partnership
- Disposed of with Evidence
- Community Message

## Costs

- Not Supervised
- Disposal Expense to Law Enforcement Agency

# NEW!

## Pharmacy Take-Back Option



### Benefits

Department of  
**Environmental Quality**  
PURE MICHIGAN



- Permanent
- On-Going
- Simple for Community
- Rural Outreach
- LARA approved process

### Costs

- Pharmacist Time & Refer to police
- Pharmacy Space
- Involvement of Public Works
- Not accepted by large chain pharmacies at this time
- Ingham County – HHW Disposal Cost increase

[www.takebackmeds.org](http://www.takebackmeds.org)



Branding

- Final logo

## Community Mobilization



**Never doubt that a  
small group of thoughtful,  
committed citizens  
can change the world.  
Indeed, it's the only  
thing that ever has.**

Margaret Mead (1901-1978)  
US Anthropologist, Author

## **Capital Area Take Back Meds**

**[www.TakeBackMeds.org](http://www.TakeBackMeds.org)**

Capital Area Take Back Meds ([www.TakeBackMeds.org](http://www.TakeBackMeds.org)) is a project initiated by the Ingham County Health Department. Start-up funds were granted from Michigan Department of Environmental Quality. In the 2014 year, ICHD staff will be available to support other communities to replicate the system that we currently have in place. This would include adding your disposal sites on the Capital Area Take Back Meds website and providing communities with model documents and procedures to replicate. In Ingham County the continuation of the project depends on in-kind support which comes from participating pharmacies, municipal wastewater facilities, law enforcement, local public health, Mason/Capital Area Prescription Drug Task Force and partnership of the county drug-free coalition.

From the public's perception, patients are able to properly dispose of unwanted household medications by taking controlled medications to a drop box at local law enforcement agencies. Non-controlled medications are taken to participating pharmacies. Patients present the pharmacist with their medications. The pharmacy accepts the non-controlled meds and directs the patient to the closest law enforcement drop-box with any controlled medications. If the meds are non-controlled, the pharmacy accepts the meds in a collection bin that is eventually transported by community waste water treatment staff to the household hazardous waste site for future disposal. We have received a letter of endorsement from LARA, who licenses both pharmacies as a business and the pharmacist professionals. The protocol is quite simple and in Ingham County we now have 15 pharmacies participating. The first step for any community is to establish law enforcement drop boxes, so that pharmacies have a proper referral system for controlled medication.

Visit our project website for more information about the program:

You may also contact Amy Ann Moore of Ingham County Health Department to inquire about our protocol or request a presentation. Amy Ann Moore, Ingham County Health Department, 5303 S Cedar, Lansing, Michigan 48910. 517.887.4586/work direct or email: [amoore@ingham.org](mailto:amoore@ingham.org).

LETTER OF UNDERSTANDING BETWEEN  
INGHAM COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL  
HEALTH, AND  
[INSERT NAME] PHARMACY

**INGHAM COUNTY COMMUNITY COLLECTION OF UNWANTED  
MEDICATIONS**

Ingham County, on behalf of the Ingham County Health Department, Bureau of Environmental Health at 5303 South Cedar Street, Lansing, Michigan (County), and [PHARMACY Name], located at [Address], (PHARMACY), agree as follows:

The County agrees to provide the following services to the PHARMACY:

1. SERVICES OF THE COUNTY

The County agrees to dispose of the unwanted medications collected by the PHARMACY as part of the unwanted medication take-back program.

The County agrees to provide support for those identified by the PHARMACY as leaders of the disposal program, including assistance with scheduling, publicity and coordination support.

The County agrees to provide, by the PHARMACY'S request, education and hands-on training to all pharmacists and pharmacy technicians.

The County agrees to assist the PHARMACY in monitoring the program and providing recognition to the PHARMACY whenever possible.

No monetary compensation will be paid to PHARMACY.

II. RESPONSIBILITY OF THE PHARMACY

The PHARMACY agrees to accept unused prescription drugs and over the counter medications.

The PHARMACY agrees to allow the County's contractor for waste collection and destruction to enter the pharmacy where the collected materials are kept.

The PHARMACY agrees not to accept controlled substances.

The PHARMACY will collect unused medications from citizens and will not distribute expired or unsold products generated by the host pharmacy.

The PHARMACY will dispose of expired medications, which have not been dispensed to the public, through their own internal disposal process.

The PHARMACY agrees to ensure that any recycling equipment provided by the County, including bins and storage units, are properly maintained.

### III DURATION

This agreement shall become effective on [DATE] and shall remain in effect for one year. At the end of the first year the agreement shall remain in effect for successive one-year periods unless terminated by either party on 30 days' notice.

### IV OWNERSHIP OF DOCUMENTS

Upon completion or termination of this agreement, all written documents provided by the County become the property of the PHARMACY for use exclusively in the PHARMACY. The PHARMACY agrees to recognize the County as the author of all materials. The PHARMACY agrees to give the County access to any materials created for the program, in addition to data on the program outcomes, for future publicity.

### V AMENDMENTS

Any amendments to this agreement must be made in writing and signed by both parties.

FOR THE COUNTY

FOR THE PHARMACY

\_\_\_\_\_  
Debra Nolan, Chairperson  
County Board of Commissioners

\_\_\_\_\_  
Owner/Manager

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Pharmacist

Dated: \_\_\_\_\_

APPROVED AS TO FORM  
FOR COUNTY OF INGHAM:  
COHL, STOKER & TOSKEY, P.C.

By: \_\_\_\_\_  
Timothy M. Perrone