

Macomb County's Pharmacy Outreach Medication Collection
Community Pollution Prevention Project No. 430219-12
Final Report
(October 1, 2012 to March 31, 2018)

This Final Report summarizes the Macomb County Health Department's Pharmacy Outreach Medication Collection Community Pollution Prevention Project activities. All of the project tasks (original tasks and amended tasks) were 100% completed. The original requested grant money that was designed to be used for only disposal of medication, exceeded what would be spent in the 2 year grant period, therefore the project was extended and partially modified. As part of the amendment, other collection locations (other branches of the Health Department) as well as advertising were added to the scope of this project. The advertising proved to be a very effective tool in raising awareness for correct disposal method of unwanted medication. Purchasing medicine collection boxes also helped tremendously with collection and securing medications in a professional manner.

Task 1: Identify Pharmacies & Develop LOU:

Macomb County Health Department (MCHD) searched pharmacies throughout the County to locate independent pharmacies that are willing to accept unwanted medication from the residents. The aim was to increase the traffic to these independent, small pharmacies while collecting medication to save lives and the environment. About 20 pharmacies were located. Some declined to participate while others went out of business. At the end, 12 pharmacies agreed to participate in our collection effort. A letter of understanding was developed for each pharmacy and signed by both parties. MCHD met with all pharmacies and reviewed various aspects of the proposal confirming overall objectives and each party's responsibilities. By the end of the project two of the pharmacies were sold to CVS pharmacy chain, which we did not have an agreement with and one pharmacy decided to opt out of the agreement.

Later on, MCHD decided to ask for collaboration from some of the chain pharmacies in order to increase the volume of collected medications. A few branches of CVS and Walgreens were contacted. After several discussions and consultation with their corporate headquarters, CVS and Walgreens pharmacies declined to participate in our program.

In order to expand our collaboration beyond pharmacies, we reached out to Adult Foster Care Homes and Homes for the Aged and verbally agreed to receive medications from some Adult Foster Care Homes and Homes for the Aged.

Task 2: Develop Collection Plan for Pharmacies:

Representatives from MCHD met with pharmacy representatives and conducted site visits at each participant's location to discuss and establish individualized pharmaceutical collection plans based upon each pharmacy's specific needs. Posters, medication bag inserts and surveys with the pharmacy logos were created for each pharmacy. Surveys were taken in the first few months of the partnership, but gradually died down. Taking surveys from the customers was taking time away from the pharmacy's busy schedule.

Task 3: Educate Law Enforcement:

Representatives from MCHD met with the Macomb County Sheriff's Department, City of Richmond and the Clinton Township Police Department officers to educate them about our program. Informational/educational literature was developed and given to the police departments for easy reference.

Task 4: Promote Outreach Program/Distribute Materials:

Collection receptacles were ordered and received for pharmacies identified in Task #1. MCHD developed and distributed individualized laminated posters and announcements for each of the participating pharmacies. Collection receptacles were prepared and distributed. The following pharmacies were our partners:

Armada Pharmacy	23032 E Main Street	Armada
Doctor's Pharmacy	18801 Ten Mile Road	Roseville
Frank's Pharmacy	39023 Harper Avenue	Clinton Township
Hoover Pharmacy	28111 Hoover Road	Warren
Lakeview Specialty Pharmacy	21400 E 11 Mile Rd., Ste. 2	St. Clair Shores
Orchard View Pharmacy	12150 30 Mile Rd., Ste. 104	Washington
Sav-On Pharmacy	43500 Van Dyke Avenue	Sterling Heights
Sav-On Phil's Pharmacy	35 N Walnut Street	Mount Clemens
Sunshine Pharmacy	43614 Garfield Road	Clinton Township
Value Center Pharmacy	37155 Harper Avenue	Clinton Township
Compounding Solutions Pharmacy	8170 23 Mile Road	Shelby Township
Memphis Drugs	80850 Main Street	Memphis

Later on MCHD added the other two locations of the Health Department, the Southeast and Southwest locations located in St. Clair Shores and Warren, respectively.

Macomb County "Pharmacy Outreach Program" brochures were distributed to Beaumont Hospital pharmacy in Grosse Pointe to be distributed to their patients from Macomb County.

In collaboration with "Operation Rx" program, information about our program at three Health Department locations was added to their brochure and distributed throughout the county.

In 2016, based on an agreement with the State of Michigan, a decision was made to allocate money for advertisement. To achieve this goal a few billboard companies (Lamar advertising and 5 Star Outdoor, L.L.C.) were contacted to display our advertisement on digital displays and billboards. However, MCDH opted to go with paper and digital online advertisement.

Pharmacy collection brochures were translated to Spanish and Arabic, printed and distributed to the three branches of the Health Department.

MCHD reached out to adult foster care homes and homes for the aged in Macomb County through the Bureau of Health Care Services (BHCS) to provide information about Macomb County's medication collection program.

As part of promoting our outreach program, our brochures were distributed at **238** outreach events hosted by the Health Department throughout the County.

Our outreach program was publicized through the MCHD website, brochures, press release to regional print and electronic media (see attached press release and newspaper article), a press conference (Macomb County Executive Mark Hackel conducted press conference announcing program on 4/1/13), and advertisements in the Macomb Daily (Feb 2016).

A contract was signed with Digital First Media to advertise our pharmaceutical collection program in Macomb Daily newspaper/website and other websites. In January 2018, ads started running in *The Macomb Daily*. A total of 10 quarter page, color ads ran through May 31, 2018. Digital display ads were placed on Facebook, MacombDaily.com, and other targeted websites.

Task 6: Implement Collection Program:

Purchased medicine collection boxes for two Health Department locations.

A total of 20,888 pounds of unwanted medications were collected through our partner pharmacies, at the three Health Department offices and our HHW collection.

Over 2200 Detera drug deactivation pouches were purchased to distribute to the public.

Task 7: Info Gathering/Reporting/Quarterly Calls/Reports:

Participated in conference calls, met with grant administrator and completed quarterly reports.

إدارة الصحة في مقاطعة ماكومب برنامج التخلص من الدواء



إدارة الصحة في مقاطعة ماكومب
قسم خدمات
الصحة البيئية

للمزيد من المعلومات:
الخط الساخن لإدارة النفايات المنزلية الخطرة الخاص
بإدارة الصحة في مقاطعة ماكومب
(586) 466-7923
أو قم بزيارة موقعنا الإلكتروني
www.macombgov.org/publichealth



إدارة جودة البيئة في ولاية ميشيغان

أصبحت آثار الأدوية ومنتجات العناية
الشخصية موجودة في المياه السطحية
والجوفية. فهي تتسلل إلى بيئتنا من خلال
طرق عدة.

جميع الأدوية سواء كانت تؤخذ عن طريق
الفم أو تستعمل على الجلد يمكن أن تُفرز
أو يتم تصريفها في شبكات الصرف
الصحي والوصول في نهاية المطاف إلى
المياه السطحية أو الجوفية.

هناك طريق آخر للأدوية للوصول إلى
بيئتنا وهو التخلص غير السليم.

إدارة الصحة في مقاطعة ماكومب
والصيدليات المحلية المشاركة تقبل الأدوية
غير المرغوب فيها للتخلص منها بشكل
آمن وسليم.

04/17



بالتعاون مع الصيدليات
المحلية في مقاطعة ماكومب

المشكلة:

قد تصبح الأدوية غير مرغوب فيها لعدة أسباب:

- ❑ تغيير الأدوية
- ❑ تغيير الجرعة
- ❑ عدم استخدام المريض للدواء
- ❑ الدواء قديم
- ❑ تحسن المريض
- ❑ وفاة المريض

غالبًا ما يتم تخزين الأدوية غير المرغوب فيها في خزانات الدواء حتى ينشأ موقف للتخلص منها. تاريخيًا، كان يتم التخلص من الأدوية إما عن طريق:

1. إلقائها في المراض أو
2. إلقائها في القمامة

وكلا الخيارين له عيوبه. فالتخلص من الأدوية في النفايات المنزلية يمكن أن يؤدي إلى استهلاكها من قبل الأطفال أو الحيوانات الأليفة. والأدوية التي يتم إلقاؤها في المراض قد لا يتم إزالتها بالكامل عن طريق عملية معالجة مياه الصرف الصحي ويمكن للمخلفات المتبقية أن تصل في نهاية المطاف إلى المياه السطحية أو الجوفية.

الحل:

تشاركت إدارة الصحة في مقاطعة ماكومب مع الصيدليات المحلية التالية لتقديم هذه الخدمة المجانية:

Armada Pharmacy

.E. Main St 23032
Armada (586) 784-9222

Compounding Solutions Pharmacy

Mile Road 23 8170
Shelby Township (586) 991-0131

Doctor's Pharmacy

Ten Mile Road 18801
Roseville (586) 777-2190

Frank's Pharmacy

Harper 39023
Clinton Township (586) 464-2000

Memphis Drugs

Main Street 80850
Memphis (810) 392-2424

Orchard View Pharmacy

Mile Road 30 12150
Washington (586) 336-9552

Sav-On Pharmacy

Van Dyke 43500
Sterling Heights (586) 739-1450

Sav-On Phil's Pharmacy

N. Walnut 35
Mt. Clemens (586) 468-0597

Sunshine Pharmacy

Hayes 43009
Sterling Heights (586) 286-5005

Value Center Pharmacy

Harper 37155
Clinton Township (586) 954-9100

إدارة الصحة في مقاطعة ماكومب

Elizabeth Road 43525
Mt. Clemens (586) 469-5236

أو

Van Dyke, Suite B 27690
Warren (586) 465-8030

أو

Harper Avenue 25401
St. Clair Shores (586) 466-6800

اتصل للاستفسار عن التفاصيل الخاصة.

يرجى الملاحظة

لن تقبل أي مواد خاضعة للرقابة. يرجى الاتصال بدائرة شريف مقاطعة ماكومب على الرقم 469-5151 (586) أو بجهة تطبيق قانون محلية.

Save Lives and the Environment

**DISPOSE
OF UNWANTED
MEDICATIONS
PROPERLY!**

**Not in
the sink!**



**Not in
the toilet!**



**Not in
the trash!**



**Macomb County Health Department
Accepts All**

Non-Narcotic Medications.

Drop your unused medications
off today! Call (586) 469-5236



Health
Department

Health.MacombGov.org
facebook/PublicHealthMacomb



**CALL NOW & SAVE UP TO 84%
ON YOUR NEXT PRESCRIPTION**

Drug Name	Qty (pills)	Price*	Drug Name	Qty (pills)	Price*
Viagra 100mg	16	\$114.99	Pristiq 50mg	100	\$149.99
Viagra 50mg	16	\$94.99	Spiriva Respimat 2.5mcg 180 ds		\$229.99
Cialis 5mg	90	\$144.99	Estring 7.5mcg/24hr	1	\$114.99
Cialis 20mg	16	\$114.99	Restasis 0.05 %	90 ds	\$219.99
Levitra 20mg	30	\$124.99	Azilect 1mg	100	\$316.99
Stendra 200mg	16	\$254.99	Janumet 50mg/1000mg	180	\$345.99
Zetia 10mg	100	\$124.99	Lumigan 0.01%	9 ml	\$74.99
Spiriva 18mcg	90	\$184.99	Flovent HFA 110mcg	360 ds	\$154.99
Advair 250mcg/50mcg	180 ds	\$199.99	Onglyza 5mg	84	\$304.99
Vagifem 10mcg	24	\$109.99	Tricor 145mg	90	\$134.99
Premarin 0.625mg	84	\$89.99	Pradaxa 150mg	180	\$474.99
Combivent 18mcg/103mcg	600 ds	\$134.99	Synthroid 100mcg	90	\$54.99
Symbicort 160mcg/4.5mcg	360 ds	\$209.99	QVAR 80mcg	400 ds	\$129.99
Entocort 3mg	100	\$124.99	Finacea Gel 15%	90	\$129.99
Januvia 100mg	84	\$254.99	Daliresp 500mcg	90	\$294.99
Aggrenox 200mg/25mg	200	\$134.99	Uloric 40mg	90	\$169.99
Abilify 5mg	84	\$134.99	Breo Ellipta 100mcg/25mcg	90 ds	\$394.99
Colcrys 0.6mg	100	\$104.99	Invokana 100mg	90	\$374.99
Ventolin 90mcg	600 ds	\$74.99	Jublia 10%	24 ml	\$484.99
Propecia 1mg	90	\$64.99	Tradjenta 5mg	90	\$344.99
Vytorin 10mg/40mg	90	\$149.99			
Xifaxan 550mg	100	\$164.99			
Nexium 40mg	84	\$124.99			
Asacol 800mg	300	\$244.99			
Vesicare 5mg	100	\$139.99			
Ranexa ER 1000mg	200	\$184.99			
Cymbalta 60mg	84	\$49.99			
Evista 60mg	84	\$125.99			
Xarelto 20mg	84	\$459.99			
Pentasa 500mg	400	\$324.99			
Benicar 40mg	84	\$124.99			
Multaq 400mg	180	\$589.99			
Myrbetriq 50mg	90	\$359.99			
Actigall 300mg	300	\$199.99			
Bystolic 5mg	84	\$109.99			
Eliquis 5mg	168	\$599.99			

- ✓ Over 1500 Medications available
- ✓ Price Match Guarantee
- ✓ Call for Free Price Quote
- ✓ Prescriptions Required
- ✓ CIPA Certified

Toll Free Phone

1-800-267-2688

Toll Free Fax

1-800-563-3822

All pricing in U.S dollars and subject to change without notice. "We accept Amex, Electronic Checking, Personal Check or International Money Order." *Prices shown are for the equivalent generic drug if available.*



TotalCareMart.com

Savings made easy

1-800-267-2688

www.TotalCareMart.com

Mailing Address: ORDER PROCESSING CENTER, PO BOX 121 STN L,
WINNIPEG, MANITOBA, R3H 0Z4, CANADA

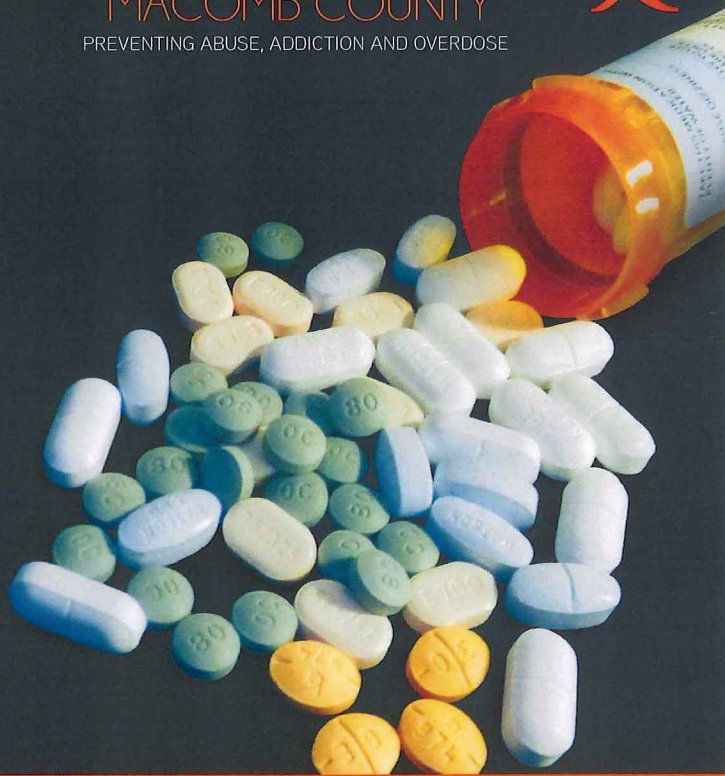
CODE AN57

MACOMB COUNTY DRUG DISPOSAL SITES

OPERATION Rx

MACOMB COUNTY

PREVENTING ABUSE, ADDICTION AND OVERDOSE



PRESCRIPTION PAINKILLERS...

Never **SHARE**

Take **SPARINGLY**

Store **SECURELY**

Dispose **PROPERLY**

Operation Rx is a county wide initiative to prevent abuse, addiction and overdose of prescription narcotics.

www.OperationRX.com

ASK YOUR DOCTOR FOR NON-NARCOTIC OPTIONS

MACOMB COUNTY DRUG DISPOSAL SITES

NOTE: Prescription drugs should be put in a sealable plastic bag.
Liquids, needles & syringes are generally NOT accepted.
Police Departments are available 24/7.

Berkley Pharmacy* | 586.573.8300**
28577 Schoenherr, Warren, MI 48088

Brookside Drugs* | 586.566.3490
43042 Schoenherr, Sterling Heights, MI 48313

Center Line Police Dept. | 586.757.2200**
7070 E. Ten Mile Rd., Center Line, MI 48015

Chesterfield Township Police Dept. | 586.949.2322**
46525 Continental Dr, Chesterfield Township, MI 48047

Clinton Township Police Dept. | 586.493.7800**
37985 Groesbeck Hwy, Clinton Twp., MI 48036

Eastpointe Police Dept. | 586.445.5100**
16083 Nine Mile, Eastpointe, MI 48021

Fraser Police Dept. | 586.293.1425**
33000 Garfield Road, Fraser, MI 48026

Henry Ford Macomb Pharmacy | 586.263.2677**
16151 19 Mile Road, Clinton Township, MI 48038

Macomb County Health Dept.* | 586.469.5236
43525 Elizabeth Road, Mt. Clemens, MI 48043
27690 Van Dyke Ave, Warren, MI 48093
25401 Harper Ave. St. Clair Shores, MI 48081

Macomb County Sheriff's Dept. | 586.469.5151**
43565 Elizabeth Road, Mt. Clemens, MI 48043

New Baltimore Police Dept. | 586.725.2181**
37885 Green St., New Baltimore, MI 48047

Richmond Police Dept. | 586.727.4000**
36725 Division Road, Richmond, MI 48062

Roseville Police Dept. | 586.447.4475**
29753 Gratiot Avenue, Roseville, MI 48066

Shelby Township Police Dept. | 586.731.2121**
52530 Van Dyke, Shelby Township, MI 48316

Sterling Heights Police Dept. | 586.446.2800**
40333 Dodge Park Road, Sterling Hts., MI 48313

St. Clair Shores Police Dept. | 586.445.5300**
27665 Jefferson, St. Clair Shores, MI 48081

St. John Pharmacy | 586.868.9050 (Pharmacy Hours)**
17900 23 Mile Rd, Suite 104, Macomb Township, MI 48044

Warren Police Dept. | 586.574.4700**
29900 Civic Center Drive, Warren, MI 48093

* Unwanted Medications - No Narcotics

** Prescriptions, Narcotics, and Painkillers

*** Prescriptions, Narcotics, and Painkillers, Liquids and Needles

Disclaimer: All information was accurate at time of printing.
Information is subject to change.

7/16

The Macomb Daily (<http://www.macombdaily.com>)

Macomb County Health Department accepting unwanted medications

Wednesday, November 19, 2014



The Macomb County Health Department's Warren office at 27690 Van Dyke is now accepting unwanted medications from Macomb County residents for disposal.

Medication can be dropped off from 8:30 a.m. to 5 p.m., Monday through Friday. Controlled substances including strong pain-killers like Vicodin and Oxycontin are not accepted.

Eliminating unwanted and expired prescription and over-the-counter medications for environmentally safe and responsible disposal reduces chances of accidental poisonings, overdoses, misuse and abuse. Flushing unwanted medicine down the drain or putting them in the trash is no longer advised because of concerns about contamination of drinking water supplies.

The Health Department's collection network received more than 3,600 pounds of unused medications for disposal. In addition to the Warren facility, unwanted medications can be dropped off at the Health Department's main office, 43525 Elizabeth Road in Mount Clemens, and these pharmacies:

- Armada Pharmacy, 23032 E. Main, Armada.
- Compounding Solutions Pharmacy, 8170 23 Mile Road, Shelby Township.
- Doctor's Pharmacy, 18801 10 Mile Road, Roseville.
- Frank's Pharmacy, 39023 Harper, Clinton Township.
- Memphis Drugs, 80850 Main, Memphis
- Orchard View Pharmacy, 12150 30 Mile Road, Suite 104, Washington Township.
- Sav-on Pharmacy, 43500 Van Dyke, Sterling Heights.
- Sav-on Phil's Pharmacy, 35 N. Walnut, Mount Clemens.
- Sunshine Pharmacy, 43614 Garfield, Clinton Township.
- Value Center Pharmacy, 37155 Harper, Clinton Township.

For more information, call 586-469-5236.

URL: <http://www.macombdaily.com/general-news/20141119/macomb-county-health-department-accepting-unwanted-medications>

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Rastros de medicamentos y productos de cuidado personal se encuentran ahora en las aguas superficiales y subterráneas. Entran en nuestro medio ambiente a través de varias rutas.

Todos los medicamentos que se toman por vía oral o se aplican a la piel pueden ser excretados o descargados en los sistemas de alcantarillado y, en última instancia, llegar a las aguas superficiales o subterráneas.

Otra vía para que los medicamentos pueden encontrar su curso en nuestro medio ambiente es a través de la eliminación inadecuada.

El Departamento de Salud del Condado de Macomb y las farmacias locales participantes están aceptando medicamentos no deseados para su eliminación segura.

Departamento de Salud del Condado de Macomb
Departamento de Servicios de Salud Ambiental

*Para información adicional:
MCHD Residuos domésticos peligrosos*

Línea directa

586-466-7923

O visite nuestro sitio web

www.macombgov.org/publichealth



Departamento de Calidad Ambiental de Michigan

03/17

Programa de Eliminación de Drogas del Departamento de Salud del Condado de Macomb



En cooperación con
las farmacias locales
del Condado de Macomb

El Problema:

Los medicamentos pueden no ser deseados por una variedad de razones:

- . Cambios en los medicamentos
- . Cambio en la dosis
- . No uso por el paciente
- . El medicamento está obsoleto
- . El paciente ha mejorado
- . El paciente ha muerto

Los medicamentos no deseados a menudo se almacenan en los gabinetes de medicina hasta que se produce una situación de eliminación. Históricamente, los medicamentos eran:

1. Tirados por el inodoro
2. Desechado en la basura

Ambas opciones tienen desventajas. Desechar los medicamentos en la basura doméstica puede llevar al consumo por niños o mascotas. Los medicamentos eliminados en el inodoro no pueden ser eliminados completamente por el proceso de tratamiento de la sierra y el residuo puede terminar en aguas subterráneas o superficiales.

La Solución:

El Departamento de Salud del Condado de Macomb se ha asociado con las siguientes farmacias locales para proporcionar este servicio gratuito:

Llame para detalles específicos

Armada Pharmacy

23032 E. Main St.

Armada (586) 784-9222

Compounding Solutions Pharmacy

8170 23 Mile Road

Shelby Township (586) 991-0131

Doctor's Pharmacy

18801 Ten Mile Road

Roseville (586) 777-2190

Frank's Pharmacy

39023 Harper

Clinton Township (586) 464-2000

Memphis Drugs

80850 Main Street

Memphis (810) 392-2424

Orchard View Pharmacy

12150 30 Mile Road

Washington (586) 336-9552

Sav-On Pharmacy

43500 Van Dyke

Sterling Heights (586) 739-1450

Sav-On Phil's Pharmacy

35 N. Walnut

Mt. Clemens (586) 468-0597

Sunshine Pharmacy

43009 Hayes

Sterling Heights (586) 286-5005

Value Center Pharmacy

37155 Harper

Clinton Township (586) 954-9100

Macomb County Health Department

43525 Elizabeth Road

Mt. Clemens (586) 469-5236

O

27690 Van Dyke, Suite B

Warren (586) 465-8030

O

25401 Harper Avenue

St. Clair Shores (586) 466-6800

Llame para más detalles

TENGA EN CUENTA

No se aceptarán sustancias controladas. Comuníquese con el Departamento del Sheriff del Condado de Macomb al 586-469-5151 o con la policía local.

43525 Elizabeth Road
Mt. Clemens, MI 48043
Phone: (586) 469-5235
www.macombgov.org/publichealth

News

Macomb County Executive
Mark A. Hackel



Health Department

For Immediate Release

Steve Lichota
Health Department – EH Division
586-469-5236

Media Contact: steve.lichota@macombgov.org

Date: May 7, 2013

Local Pharmacies Now Accepting Unwanted Pills for Disposal

MOUNT CLEMENS, Mich. – The Macomb County Health Department is partnering with several local pharmacies throughout Macomb County to accept unwanted, non-narcotic medications from Macomb County residents. Cleaning out unwanted pills from Macomb County medicine cabinets reduces the chance of accidental poisonings, overdoses, misuse and abuse.

It is no longer advisable to flush unwanted medicines, down the drain, as an acceptable method of disposal. Participating Macomb County pharmacies will be accepting expired and unwanted prescription and over the counter medications for environmentally safe and responsible disposal.

Controlled substances (e.g. narcotic painkillers, Morphine, Ritalin, and Tylenol III with codeine) cannot be accepted. Please contact you local police agency for guidance.

The following Macomb County pharmacies are now accepting unwanted medications:

43525 Elizabeth Road
Mt. Clemens, MI 48043
Phone: (586) 469-5235
www.macombgov.org/publichealth

News

Macomb County Executive
Mark A. Hackel



Health Department

Armada Pharmacy	23032 E Main St	Armada	784-9222
Compounding Solutions Pharmacy	8170 23 Mile Road	Shelby Township	991-0131
Doctor's Pharmacy	18801 Ten Mile Road	Roseville	777-2190
Frank's Pharmacy	39023 Harper Ave	Clinton Twp.	464-2000
Hoover Pharmacy	28111 Hoover Rd	Warren	558-8081
Lakeview Specialty Pharmacy	21400 E 11 Mile Rd Suite 2	St. Clair Shores	777-4100
Orchard View Pharmacy	12150 30 Mile Rd Suite 104	Washington Twp	336-9552
Sav-On Pharmacy	43500 Van Dyke Ave	Sterling Heights	739-1450
Sav-On Phil's Pharmacy	35 N Walnut St	Mount Clemens	468-0597
Sunshine Pharmacy	43614 Garfield Rd	Clinton Township	286-5005
Value Center Pharmacy	37155 Harper Ave	Clinton Township	954-9100

Additionally, the Macomb County Health Department's also accepts unwanted medication at their Mt. Clemens location. Call (586) 469-5236 for more information or visit our website:

<http://www.macombgov.org/publichealth/EH/HouseholdWaste.htm>

This project is funded by a Michigan Department of Environmental Quality's (MDEQ) Pollution Prevention grant.

-end-