SUBSTANCE USE IN MICHIGAN

http://www.mi-suddr.com



ABOUT US

Elizabeth Agius Manager of Community Partnerships Wayne State University School of Social Work

> Brooke Rodriguez MYTIE Grant Evaluator Wayne State University School of Social Work

PROJECT BACKGROUND

- Created via funding from a federal grant to the State Epidemiological Outcomes Workgroup (SEOW)
- Administered by the Office of Recovery Oriented Systems of Care (OROSC)

PURPOSE & AUDIENCE

- To provide data for:
 - Local prevention agencies and coalitions to enable data-driven programming decisions
 - For grant seeking purposes
- To define the scope of a problem in a specific geographical location
- Substance Use Disorder Administrators
 - Information about target populations

SITE OVERVIEW

- The Michigan Substance Use Disorder Data Repository allows users to find data on various substance use topics.
- The data is presented in visualizations that allow the data to be explored as interactive maps, bar charts and tables.
- The data can also be downloaded and used in community planning and outreach documents.

DATA SOURCES

Secondary Data Sources

- US Census
- Michigan Office of Highway Safety Planning
- Treatment Episode Data Set (TEDS)
- Centers for Disease Control
- Michigan Automated Prescription System (MAPS)
- Division of Vital Records & Health Statistics

Surveys

- > Michigan Profile for Healthy Youth (MiPHY)
- National Survey on Drug Use and Health (NSDUH)

DATA LIMITATIONS

- Generalizability: The MiPHY results are based on student survey responses from high/middle schools that voluntarily participated in a county and may not be representative of all high/middle schools in the county. Therefore, the results cannot be generalized nor used to compare county to county.
- Time lag: There is generally a two year lag between when the deaths and hospitalizations data are available for publishing.
- Measures: That is reporting rates vs counts. Due to small number of incidences, counts are presented rather than rates to avoid flagged as unreliable due to high relative standard errors.

TECHNICAL DETAILS

Site built in WordPress with a custom plugin created in Tableau

Tableau is used to manage all data sets

HOMEPAGE VIEW

MEDHHS IN MICHIGAN

Welcome to the Michigan Substance Use Disorder Data Repository.

Browse Data

Home Data Opioids About Contact

Use these tabs to navigate through the entire site

The Substance Use Disorder Data Repository was created through collaboration with the Office of Recovery Oriented Systems of Care. Data has been collected from a variety of platforms to offer users easy access to Michigan specific data. It is the hope that through the data provided on this site, users will have the ability to make informed programming related decisions. Learn more.

Help

Find a Dataset ...

Search

Recent data updates will also be noted on the homepage.

SEARCHING FOR DATA

On the home page you will find a bulletin linking to all new data

Here you can search and view all the data sets available

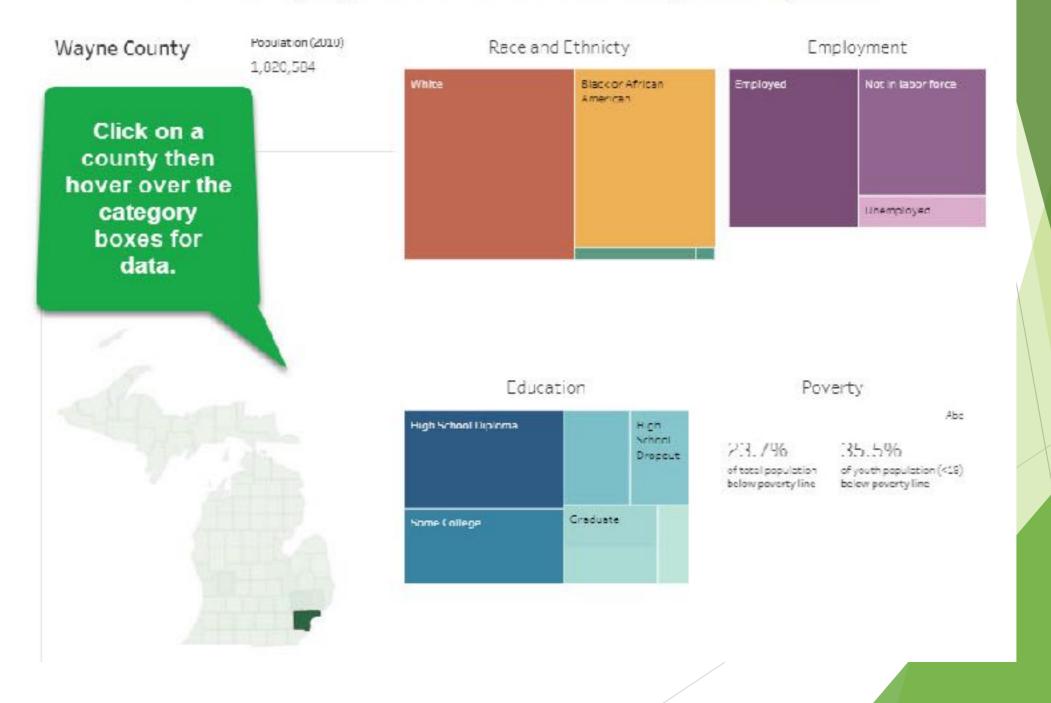
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Newest Datasets

COMMUNITY PROFILES

Community Profiles

Community profile data includes the most up to date US Census data (2010) for counties across Michigan. Census data includes; education attainment, employment status, race/edmicity, and county level population data. State level data and poverty status county data are provided through the 2013-2017 American Community Survey data. Additional Census data can be found here: https://www.census.gov/en.html



EXPLORING DATA

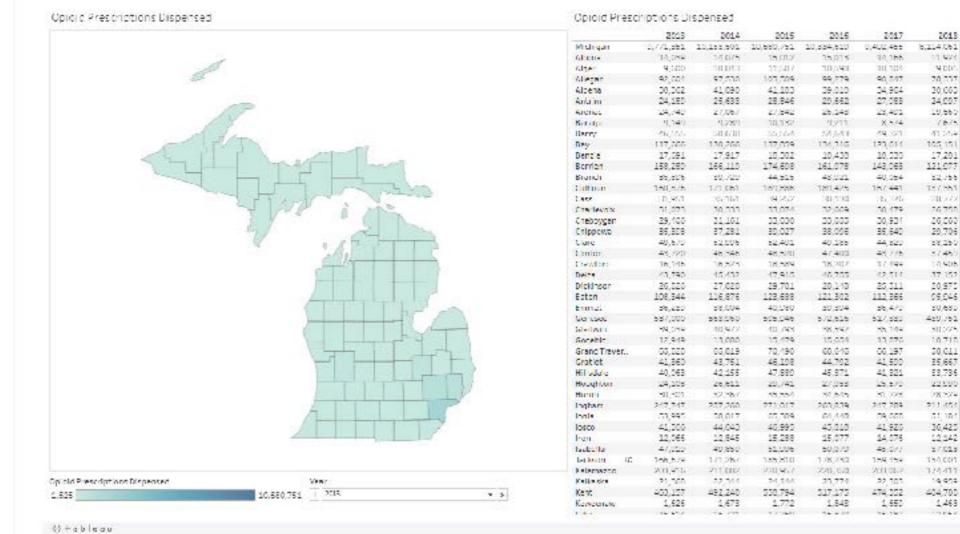
Each data visualization has two views for interacting with and selecting data for download:

> Map/Chart View Bar Graph View New: Spark Lines

MAP/CHART VIEW

Opioid Prescriptions Dispensed

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Click here

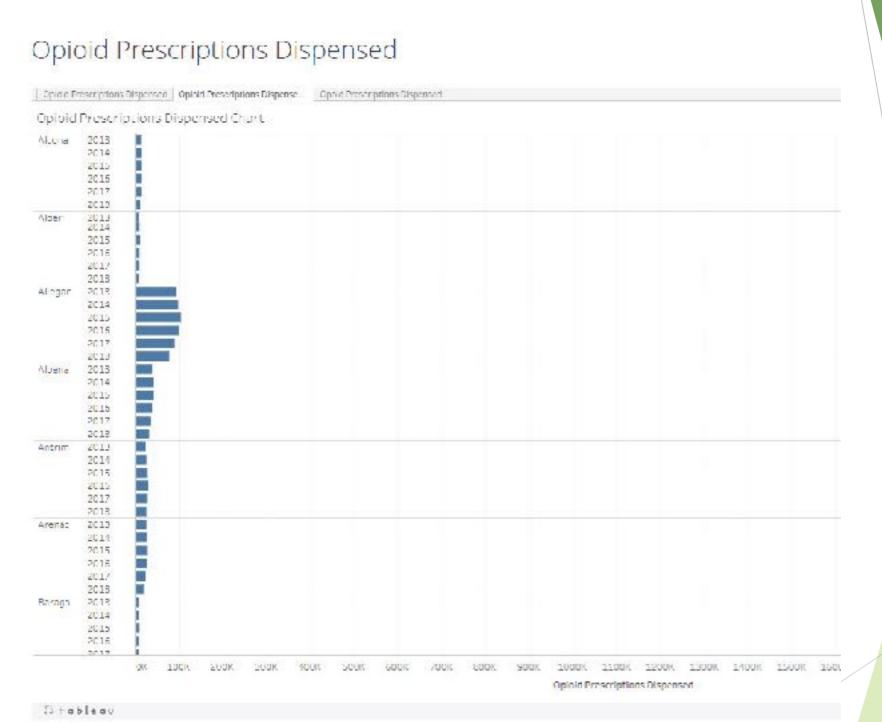
download

data

Despription: Oproid prescriptions disperised by county. Bata Source: Michigan Automated Prescription System (MAPS). Timeframe: 2018/2017

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BAR GRAPH VIEW

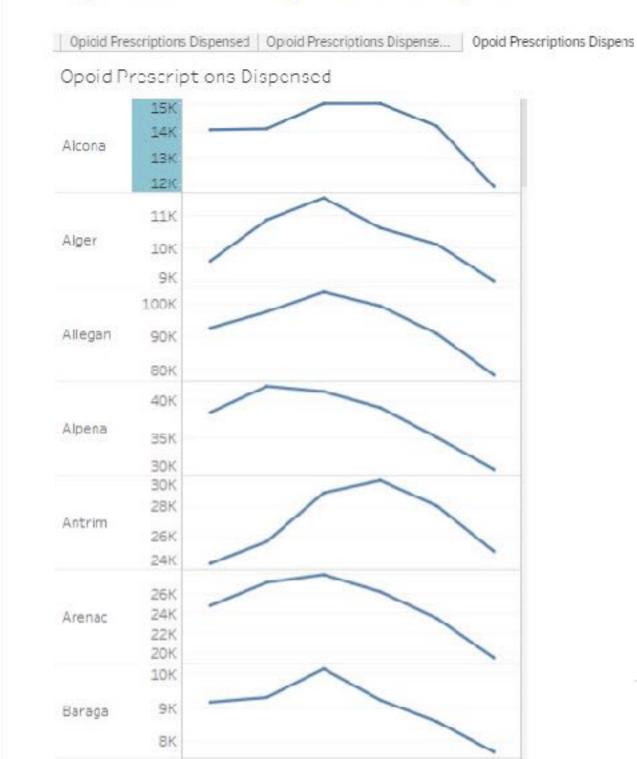


Description: Oploid prescriptions dispensed by county. Data Source: Michigan Antonia ed Prescription System (MAPS). Timeframe: 2013-2017

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SPARK LINES VIEW

Opioid Prescriptions Dispensed



DATA DOWNLOAD

All of the data on the site is available for download in a variety of formats, including .PDF, .PNG, and .TXT. To download data, simply click the download icon located in the bottom right corner of each dataset, then follow the prompts to select your file format.



(Download icon is highlighted in red.)

A link to the data page can also be directly shared from the website. Data can be downloaded as: an image, data file, crosstab, PDF, or Tableau Workbook.

USING DATA

- For grants/fund development basic information for needs and background, county profiles for target description.
- For planning data required for logic models, work plans, goal development in prevention, community mental health etc...
- > Where do you use data like this?

INTERPRETING DATA

Introduction to Interpreting Data

Using data requires some understanding of the nature and quality of the available data, the following on lines some basic data concepts and provides additional resources to help inservation and be the information available through the site.

Using Data with Your Strategic Prevention Framework Model

In keeping with the use of the Extrategic Prevention I ramework (SFI), we have provided some sample questions for each of the 5 steps of SP, model. The data you will find on this site is particularly useful for the Assessment and Capacity Bulloing phase as noted below. The SPE model, however, bullos on the following

Here we provide helpful tips for utilizing the data on the website



Assessment

What intervening variables contribute to the consequences and consumption patterns you wish to change? What does the local data (county indicators, local groups; key leader interviews, etc) say appet retail availability or laws and policies or social norms in your remnum y? Side the result or a brief problem statement within the logic model.

Capacity Building

Do yee have expertise on your task force or coefficients complex, share, and analyze data? Another cloud training and or brical accessories tester conding the importance, meaning/clous cland utility of data that ment to be addressed?

Community Flanning

What stretegies, related to the contributing factors, can positively impact the intervening variables?

Implementation

Who are the experts in your community to carry out the strategy (policy, practice, or program) recommendations?

Evaluation

How will you best measure change, and also include them in the development of an evaluation plan?

More Information

For more information on the Strategic Prevention Framework modes https://www.sambra.gov/capt/apply.go-strategic-prevent on-framework

Tips for Analyzing Data

Be sare to analyze the data. Read the definitions, explanations, and leasness because some of the data have limitations that may lead to incounate interpretations

FACT SHEETS

At the bottom of the data tab you will find the factsheets link

The Office of Recovery Oriented Systems of Care has produced fact sheets on the following topics. Click on a topic below to view and/or download the factsheet.

- Prescription Drug-Related Mortality in Michigan (2012)
- Preventing Preseription Brug Misuse (2016)
- Preventing Heroin Use (2013)
- Marijuana: How it Changes the Brain (2014)
- Preventing Youth Marijuana Use (2014)
- Preventing Marijuana Use Among Youth & Young Adults (2017)
- E-Cigarettes: Deconstructing the Health Claims
- Cancer and Alcohol Use (2014)
- Michigan Traffic Crashes (2006-2016)
- ▶ Fatal Traffic Crashes in Michigan (2017)

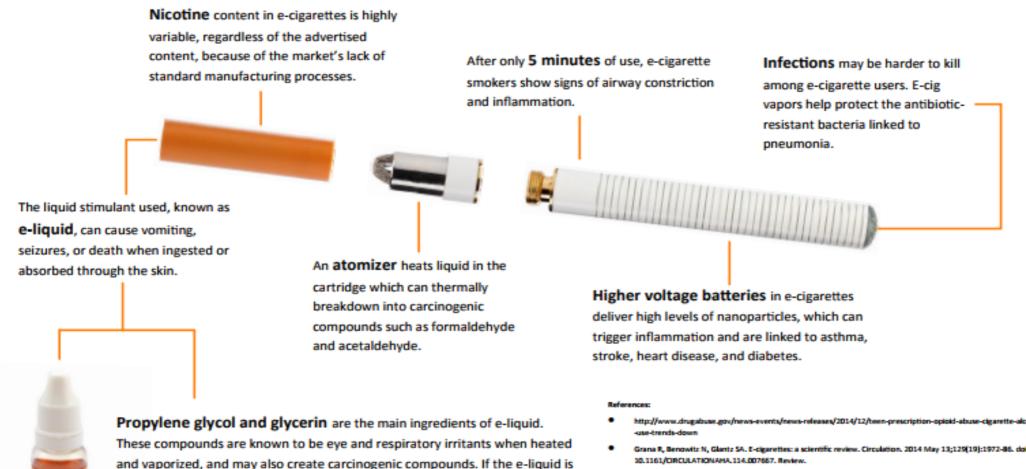
FACT SHEET EXAMPLE

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Up in Smoke: Deconstructing the Health Claims of E-Cigarettes



Electronic cigarettes, or *e-cigarettes*, have been growing in popularity in recent years. As traditional smoking has declined, use of e-cigarettes has increased among teenagers, surpassing traditional cigarettes. While touted as the "healthier" cousin of the traditional cigarette, e-cigarettes still pose great risk to users. No long-term studies exist on the risks of e-cigarette smoking, nor does the industry currently possess a regulated manufacturing process—addictive nicotine and an unregulated mix of chemicals plague e-cigarettes just as they do traditional cigarettes. The infographic seen below is meant to shed some light on the adverse events and risks e-cigarette users face.



- Vardavas CI, Anagnostopoulos N, Kougias M, Evangelopoulou V, Connolly GN, Behrakis PK. Short-term pulmonary
 effects of using an electronic cigarette: impact on respiratory flow resistance, impedance, and exhaled nitric oxide.
 Chest. 2012 Jurc;141(6):1400-6.
- Kosmider L, Sobczak A, Fik M, Knysak J, Zaclera M, Kurek J, Goniewicz ML. Carbonyl compounds in electronic cigarette vapors: effects of nicotine solventand battery output voltage. Nicotine Tob Res. 2014 Oct;16(10):1319-26.

Produced by the Office of Recovery Oriented Systems of Care. For more information, visit: www.michigan.gov/bhrecovery.

substituted with unregulated synthetic drugs the potential for harm is

amplified.

NEW:OPIOIDS TAB

 \succ Goal for the opioid page is to provide the most up to date opioid related data and additional resources

The Problem

Over 11 million obioid prescriptions were filled in 2016, enough for at least one opioid prescription for every person in Michigan. Drug overdose deaths continue to increase and were the leading cause of injury deaths in 2015. The increases in drug overdose deaths are being driven by increases in opioids involved (prescription opio ds and ilicit) overdose deaths.

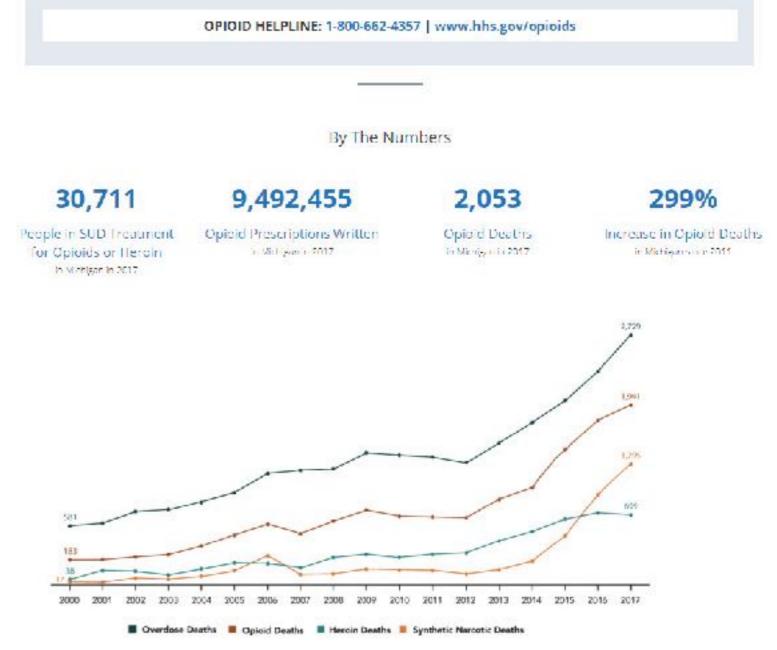


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OPIOIDS TAB

Explore Our Current Opioid Data

Opioid Prescriptions Dispensed

Opicid Prescriptions Dispensed Year

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Click the tiple to expand and view the dataset.

- ► Optical Overdince Deal Is
- Op o d Related Hospitalizations
- Opio d Prescriptions Dispensed

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	2013	2014	2015	2019
Michigán	9,771,301	10,155 501	10,000,701	10,304,619
Aconi	14,079	14 075	15,012	15 013
A ust	9.500	20,813	11.507	10.591
A ecar	92,504	97 500	103,509	99.271
A ocioni	33,362	41.808	41,183	32.010
Colt: III	21,189	20.655	25.810	25.56.
Arenec	24,749	27,007	27.042	20.143
Baraga	0,140	0.280	10,132	0.21
Berry	15.550	50,658	55.55-7	of.5/3
Bey	117,506	1.0 200	137.059	134.31
Boazlo	17.501	17.017	18.382	18.433
Nerroen	755,789	155,119	1/1,648	161.47
Uranch	15,396	39.729	44,525	40.923
Calhour	160,876	171.051	187,856	180.423
Ceta	81,951	35 151	59,252	92 191
Lharlevox	31.3/3	20,333	23.074	32.565
Cheboygon	20,406	31 151	23.020	33,651
Chippens	35,398	87.281	99,027	88.00
Uare	49,579	52,990	12,491	49,100
Clinter	43,720	46 346	48,520	
Crawford	15,146	16.523	18,589	47,400
				and the second second
Delta	13,790	11,412	47,925	16,75
Diskinson	25,826	27.828	20,781	28,143
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Gogebic	12,919	20,000	15,479	10,00
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Hills dale	10,000	12,2.0	-17.009	<5,073
loughten	24,100	20,611	29,741	27.953
Haaa	80,801	82,857	35,554	94,549
Ingham	27,191	257,200	2/1.017	200,005
Ionia	53,995	20.017	65,309	04,443
los a	41,806	44,049	45,925	45,813
Irue	11,060	12,815	15,268	15,07,
Isabe a	47,919	49,009	21,996	50,079
larks or	155,579	171.267	185,810	178,230
Kelamazuq	205,910	211,052	225,957	220,553
ice kaska	21,300	22,344	Z4,144	20.77-
Kent	453,157	412.248	538,754	517,178
Keweenaw	1.525	1.6/3	1.772	1.51

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FEEDBACK

- What data would you like to see on the site?
- How to make the site more user friendly?
- > What features would you like to see?

CONTACT

Please contact us to let us know how we can continue to improve the site..

Brooke Rodriguez ea2123@wayne.edu MYTIE Grant Evaluator WSU School of Social Work

Ask to be added to our listserve for site updates.