Ottawa County
2011 Behavioral Risk Factor Survey Addendum

Zone Maps Depicting Research Results from the 2011 Behavioral Risk Factor Survey

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GIS Zone Maps
Zone Maps

- The following Geographic Information System (GIS) maps show each key BRFS measure according to its distribution across ten geographic zones in Ottawa County.
- These zones are formed by combining one or more postal ZIP codes in Ottawa County. Some zones consist of a single ZIP code while others have as many as eight. Each survey respondent is assigned to one of the ten zones according to their reported residential ZIP code.
- The map on the following page displays the geographic area of each zone, the specific ZIP code(s) within it, and the number of BRFS survey respondents in each zone.

Zone Maps

This section contains two types of maps:

1) **Ottawa County Based Maps**: These maps compare the ten zones to each other based on Ottawa County's data. For each key measure, there is a map that indicates the proportion of survey respondents who reported that measure in each of the ten zones. The division of the data into breaks by zone was done using the Jenks Natural Breaks Method. The breaks are indicated by the color of the zone.
   - Darker colors indicate a zone's proportion is worse than lighter colored zones.
   - White diagonal lines in a zone indicate that the zone's proportion for that measure is worse than the comparable measure for Michigan. Not all maps have a corresponding MI measure.

2) **Centers for Disease Control and Prevention Based Maps**: For those BRFS measures that have maps created by the CDC indicating which U.S. states fare better or worse, there is also a corresponding Ottawa County map. These maps compare Ottawa County's ten zones according to the same breaks used nationally by the CDC in their U.S. maps.
   - In general, darker colors indicate a zone's proportion is worse than lighter colored zones.
   - The exceptions are 3 maps marked with a red star where the darkest color is best and lightest color is worst.
   - White diagonal lines in a zone indicate that the zone's proportion for that measure is worse than the comparable measure for Michigan.

Since the total number of respondents residing in each zone can range from as low as 43 to as high as 250, the cited proportion within a zone may have a wide error interval. It is best to use these maps directionally instead of predictively.
Prevalence of Fair/Poor Health

Distribution within Ottawa County
Overall 9.9%

Comparison of Fair/Poor Health
Ottawa County and the United States

Prevalence of Dissatisfaction with Life

Distribution within Ottawa County
Overall 4.5%

Prevalence of Lack Social & Emotional Support

Distribution within Ottawa County
Overall 4.4%
Prevalence of Poor Physical Health

Distribution within Ottawa County
Overall 8.1%

Prevalence of Poor Mental Health

Distribution within Ottawa County
Overall 6.8%

Prevalence of Activity Limitation

Distribution within Ottawa County
Overall 5.1%

Prevalence of Ever Having Diagnosis of Anxiety

Distribution within Ottawa County
Overall 14.8%
Prevalence of Ever Having Diagnosis of Depression

Distribution within Ottawa County

Overall 18.8%

Prevalence of Current Major Depression

Distribution within Ottawa County

Overall 4.6%

Prevalence of Any Disability

Distribution within Ottawa County

Overall 22.2%

Prevalence of Limited Disability

Distribution within Ottawa County

Overall 21%
Comparison of Limited Disability
Ottawa County and the United States

Prevalence of Disability with Special Equipment
Distribution within Ottawa County
Overall 6%

Comparison of Special Equipment
Ottawa County and the United States

Prevalence of Obesity
Distribution within Ottawa County
Overall 25.8%
Comparison of Obesity
Ottawa County and the United States

Prevalence of Overweight
Distribution within Ottawa County
Overall 36.7%

Prevalence of Not Overweight or Obese
Distribution within Ottawa County
Overall 37.4%
Health Care Access

Prevalence of Uninsured (18-64)

Distribution within Ottawa County

Overall 12.6%

Comparison of Uninsured

Ottawa County and the United States

Prevalence of Difficulty Getting Needed Healthcare

Distribution within Ottawa County

Overall 11.0%
Risk Behavior Indicators

Prevalence of Inadequate Physical Activity

Comparison of No Physical Activity
Ottawa County and the United States

Prevalence of Current Smokers

Distribution within Ottawa County
Overall 17.2%
Comparison of Current Smokers

Ottawa County and the United States

Prevalence of Heavy Drinking

Distribution within Ottawa County

Overall 7.5%

Comparison of Heavy Drinking

Ottawa County and the United States

Prevalence of Binge Drinking

Distribution within Ottawa County

Overall 20.5%
Comparison of Binge Drinking
Ottawa County and the United States

Prevalence of Seatbelt Use
Distribution within Ottawa County
Overall 90.2%

Prevalence of Inadequate Fruit/Veg Intake
Distribution within Ottawa County
Overall 83.6%

Prevalence of Sweetened Drink Consumption
Distribution within Ottawa County
Overall 25.3%
Prevalence of Not Using Calorie Information at Restaurants

Distribution within Ottawa County

Overall 46.6%

Clinical Preventative Practices

Prevalence of No Personal Physician

Distribution within Ottawa County

Overall 12.6%

Prevalence of No Routine Check-up

Distribution within Ottawa County

Overall 26.2%
Prevalence of Ever Having a Mammogram

Distribution within Ottawa County

Overall 94.1%

Prevalence of Mammogram in Past Year

Distribution within Ottawa County

Overall 70.4%

Prevalence of Mammogram in Past 2 Years

Distribution within Ottawa County

Overall 83.2%

Prevalence of Ever Having a Pap Test

Distribution within Ottawa County

Overall 92.4%
Prevalence of Pap Test within Previous 3 Years

Distribution within Ottawa County

Overall 85.3%

Prevalence of Doctor Recommending a PSA Test

Distribution within Ottawa County

Overall 61.4%

Prevalence of Ever Having a PSA Test

Distribution within Ottawa County

Overall 64.0%

Prevalence of Ever Having a Sigmoidoscopy or Colonoscopy

Distribution within Ottawa County

Overall 75.0%
Comparison of Colon Screening
Ottawa County and the United States

Prevalence of Had a Sigmoidoscopy or Colonoscopy Past 5 Years
Distribution within Ottawa County
Overall 84.1%

Prevalence of No Dental Visit
Distribution within Ottawa County
Overall 21.6%

Comparison of No Dental Visit
Ottawa County and the United States
Prevalence of No Teeth Cleaning
Distribution within Ottawa County
Overall 21.9%

Prevalence of Missing Any Permanent Teeth
Distribution within Ottawa County
Overall 33.7%

Comparison of Missing Any Permanent Teeth
Ottawa County and the United States

Prevalence of Missing 6+ Permanent Teeth
Distribution within Ottawa County
Overall 9.1%
Prevalence of Flu Vaccine in Past Year (18+)
Distribution within Ottawa County
Overall 43.1%

Prevalence of Flu Vaccine in Past Year (65+)
Distribution within Ottawa County
Overall 68.1%

Comparison of Getting Flu Shot
Ottawa County and the United States

Prevalence of Pneumonia Vaccine in Lifetime (65+)
Distribution within Ottawa County
Overall 71.1%
Comparison of Getting Pneumonia Shot
Ottawa County and the United States

Lighter colors are worse than darker colors.

Prevalence of Pneumonia Vaccine in Lifetime (18+)
Distribution within Ottawa County
Overall 27.8%

Chronic Conditions

Prevalence of Ever Having Diabetes Diagnosis
Distribution within Ottawa County
Overall 7.3%
Comparison of Ever Told Have Diabetes
Ottawa County and the United States

Comparison of Ever Told Have Asthma
Ottawa County and the United States

Prevalence of Ever Having Asthma Diagnosis
Distribution within Ottawa County
Overall 13.5%

Prevalence of Current Asthma
Distribution within Ottawa County
Overall 8.4%
Comparison of Current Asthma
Ottawa County and the United States

Comparison of Ever Told Had Heart Attack
Ottawa County and the United States

Prevalence of Ever Having Heart Attack Diagnosis
Distribution within Ottawa County
Overall 2.1%

Prevalence of Ever Having Coronary Heart Disease Diagnosis
Distribution within Ottawa County
Overall 3%
Comparison of Ever Told Have CHD
Ottawa County and the United States

Comparison of Ever Told Had Stroke
Ottawa County and the United States

Prevalence of Ever Having a Stroke Diagnosis
Distribution within Ottawa County
Overall 1.2%

Prevalence of Ever Having Skin Cancer Diagnosis
Distribution within Ottawa County
Overall 7.3%
Prevalence of Ever Having Other Cancer Diagnosis

Distribution within Ottawa County
Overall 5.3%

Prevalence of Ever Having COPD Diagnosis

Distribution within Ottawa County
Overall 4.5%

Prevalence of Ever Having Arthritis Diagnosis
(Includes Gout, Lupus, and Fibromyalgia)

Distribution within Ottawa County
Overall 23.2%