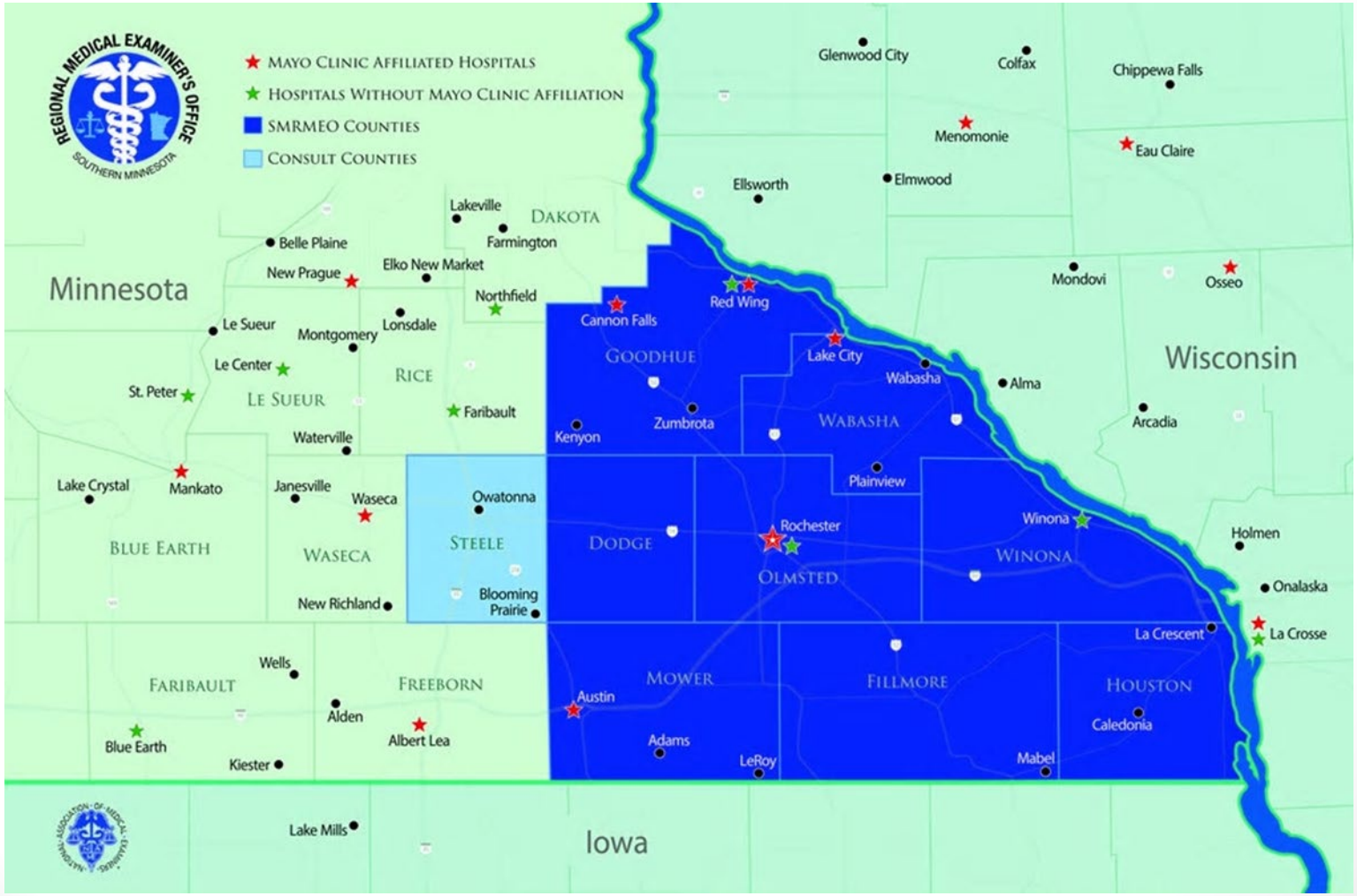
Southern Minnesota Regional Medical Examiner's Office

2019 Goodhue County Update

SMRMEO Coverage Area



Medical Examiner Staff

- R. Ross Reichard, M.D. – Chief Medical Examiner
- Peter T. Lin, M.D. – Assistant Chief Medical Examiner
- Reade A. Quinton, M.D. – Assistant Chief Medical Examiner
- Monica Kendall, M.S., PA (ASCP), F-ABMDI – Supervisor, Death Investigations
- Courtney Hyland, M.S., PA (ASCP), F-ABMDI – Asst. Supervisor, Death Investigations
- Navid Amini – Field Investigator, Goodhue County
- Peter Hanlin - Field Investigator, Goodhue County
- Molly Mortensen, D-ABMDI - Field Investigator, Goodhue County
- Gina Shepherd - Field Investigator, Goodhue County
- Dan Swenson - Field Investigator, Goodhue County
- Jennifer Davidson, M.S., PA (ASCP) – Death Investigator, Central Office
- Alysha Martini, M.S., PA (ASCP), D-ABMDI – Death Investigator, Central Office
- Molly Person, M.H.S., PA (ASCP) – Death Investigator, Central Office
- Erica Reed, M.S., PA (ASCP), D-ABMDI – Death Investigator, Central Office
- Luke Wilson, M.S., PA (ASCP), D-ABMDI – Death Investigator, Central Office
- Office of Decedent Affairs and Medical Examiner Pathology Reporting Specialists, Division of Anatomic Pathology, Mayo Clinic

REGIONAL MEDICAL EXAMINER'S OFFICE
SOUTHERN MINNESOTA

Goodhue County
Medical Examiner Cases

Population (est.)	46,340
Cases Reported to Medical Examiner	393
A. Number of deaths certified after postmortem examination	46
1. Number of Medical Examiner Cases with Complete Autopsy	44
2. Number of Medical Examiner Cases with External Examination	1
3. Number of Medical Examiner Cases with Limited Examination	1
B. Number of deaths certified without postmortem examination	50
C. Number of deaths not certified by Medical Examiner's Office after investigation	297

Total number of deaths in Goodhue County in 2019 = 481
Involved in some capacity in 82% of deaths

Death Certificate Information

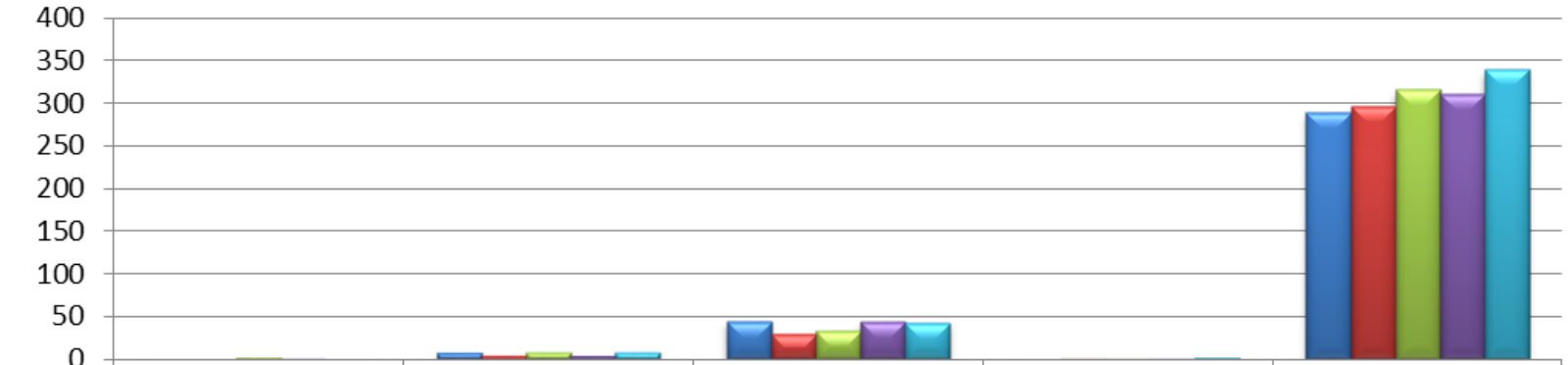
Information included:

- Cause of Death
- Manner of Death
- Did an autopsy occur?
- Pregnancy?
- If Injury- Date, time, location, and how occurred?
- Injury at work?
- If transportation Injury, type (e.g. driver, passenger, etc…)

Used by:

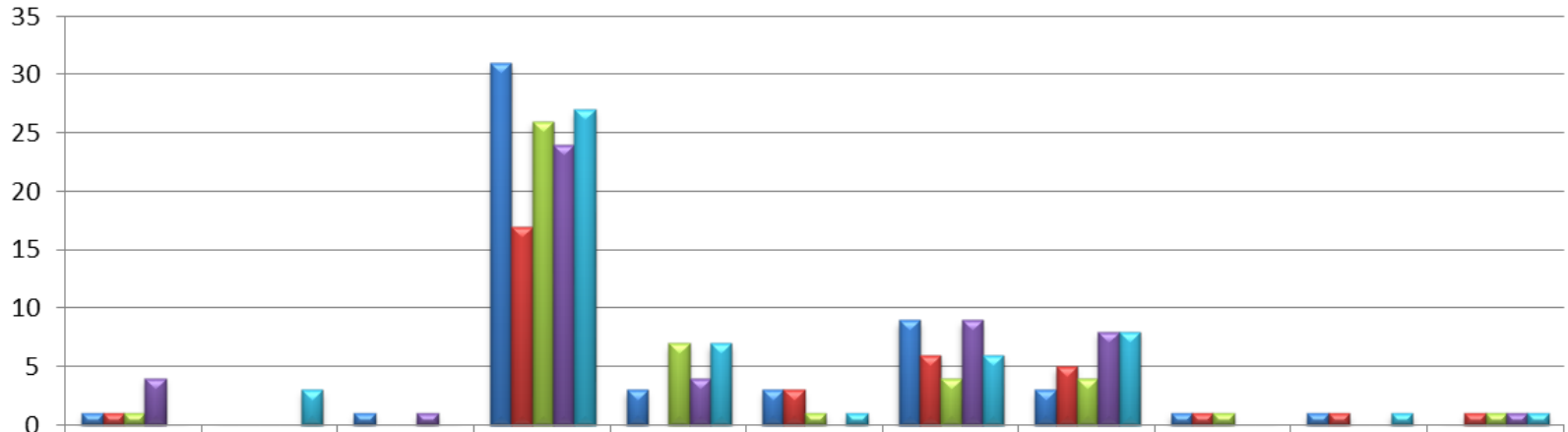
- Immediate family-heritable conditions
- Minnesota Department of Health/CDC-Public Health

Manner of Death



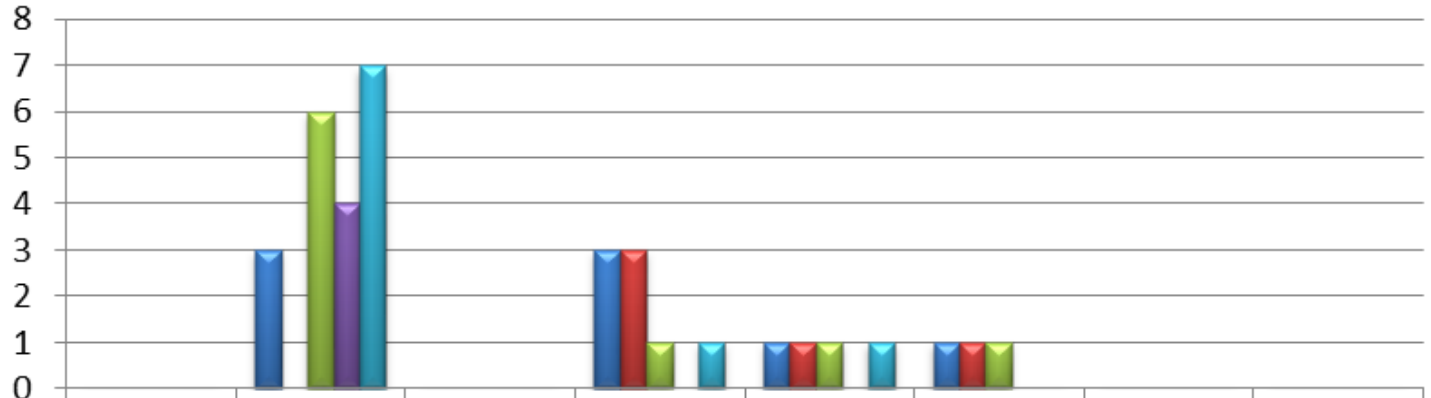
	Homicide	Suicide	Accident	Undetermined	Natural
2015	0	8	45	0	289
2016	0	5	29	1	296
2017	2	9	33	1	316
2018	1	4	44	1	310
2019	0	9	43	2	339

Deaths by Unnatural Causes



	Blunt Trauma	Burns	Drowning	Fall	Firearm	Ligature Hanging	Motor Vehicle	Poison / Drugs	Stabs / Cuts	Asphyxia / Choking	Other
2015	1	0	1	31	3	3	9	3	1	1	0
2016	1	0	0	17	0	3	6	5	1	1	1
2017	1	0	0	26	7	1	4	4	1	0	1
2018	4	0	1	24	4	0	9	8	0	0	1
2019	0	3	0	27	7	1	6	8	0	1	1

Suicide by Means

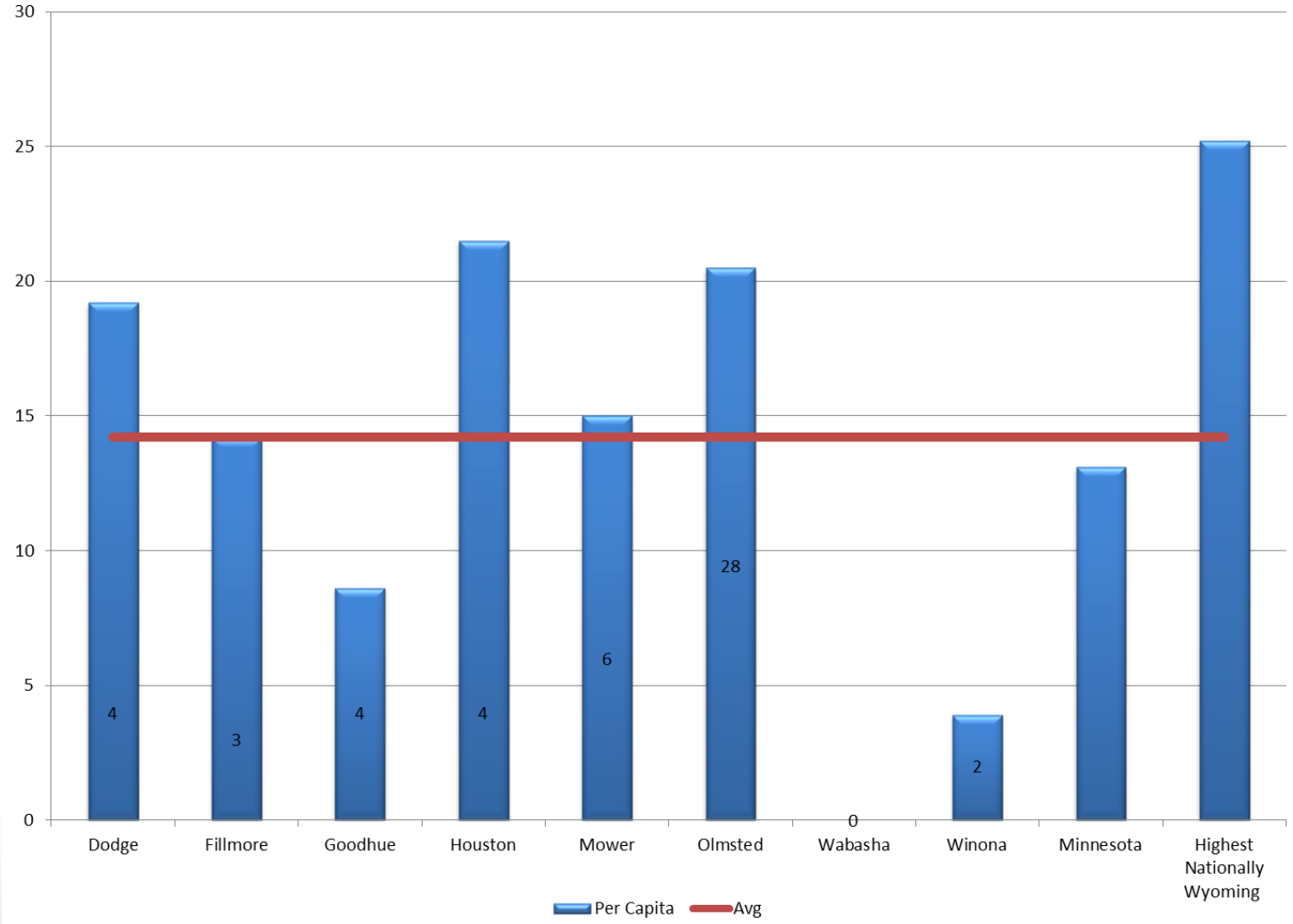


	Asphyxia	Firearm	Motor Vehicle	Ligature Hanging	Poison / Drugs	Stabs / Cuts	Jump / Fall	Other
2015	0	3	0	3	1	1	0	0
2016	0	0	0	3	1	1	0	0
2017	0	6	0	1	1	1	0	0
2018	0	4	0	0	0	0	0	0
2019	0	7	0	1	1	0	0	0

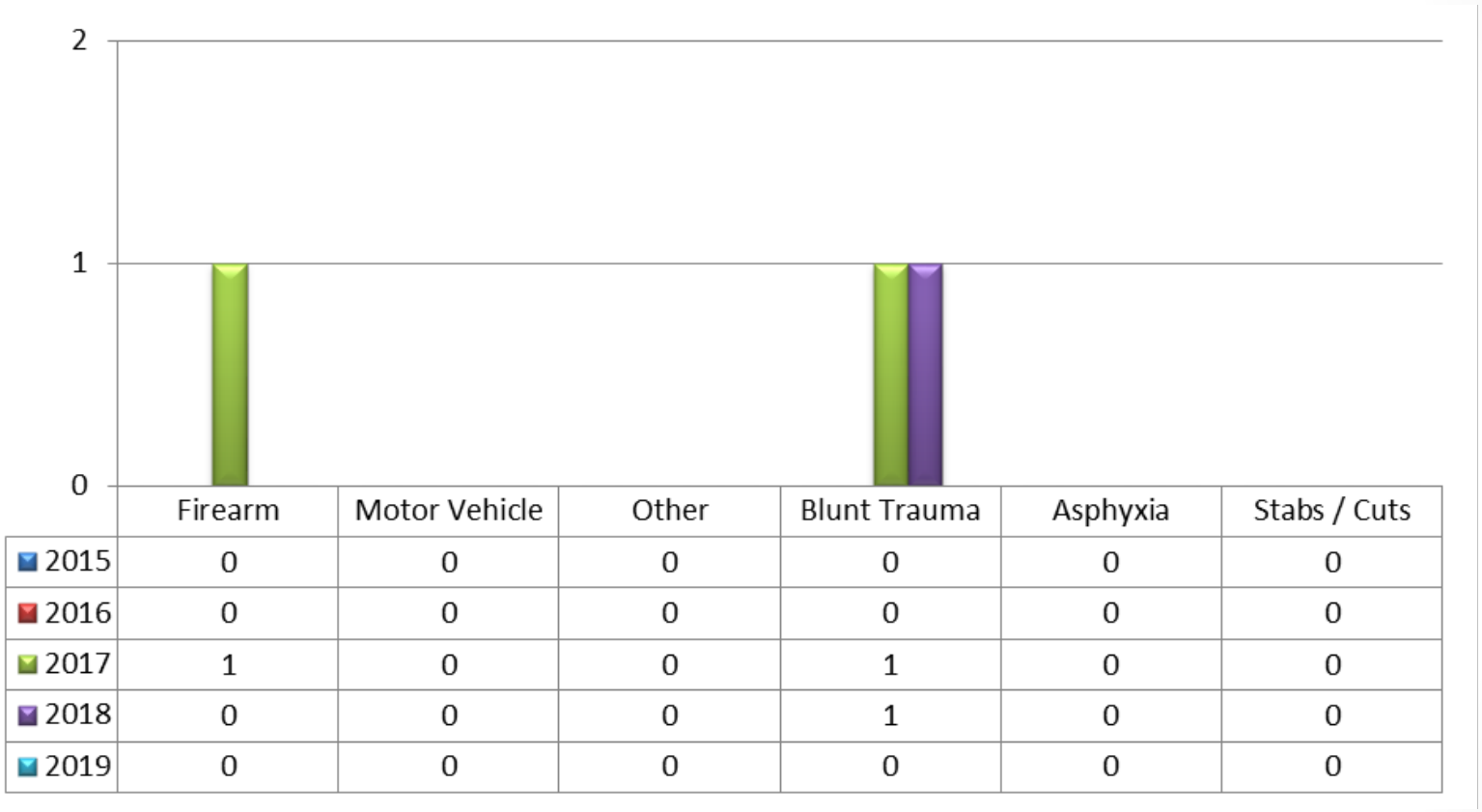
Suicide rate in Minnesota from 1999-2016 increased 40.6% - UPDATE

Suicide Rate per Capita

per 100,000 people; Based on 2018 data



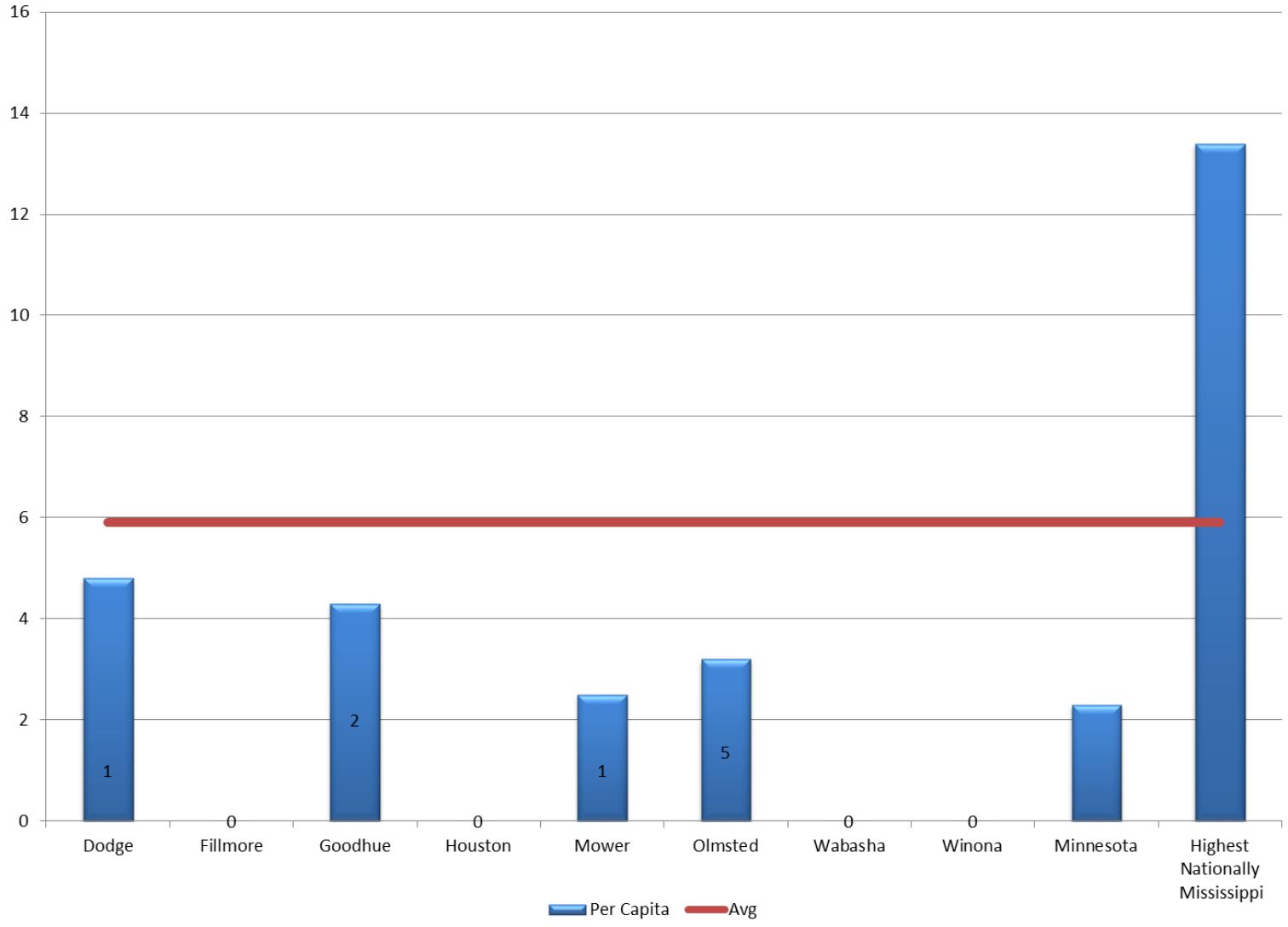
Homicide Deaths



	Firearm	Motor Vehicle	Other	Blunt Trauma	Asphyxia	Stabs / Cuts
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	1	0	0	1	0	0
2018	0	0	0	1	0	0
2019	0	0	0	0	0	0

Homicide Rate per Capita

per 100,000 people; Based on 2018 data



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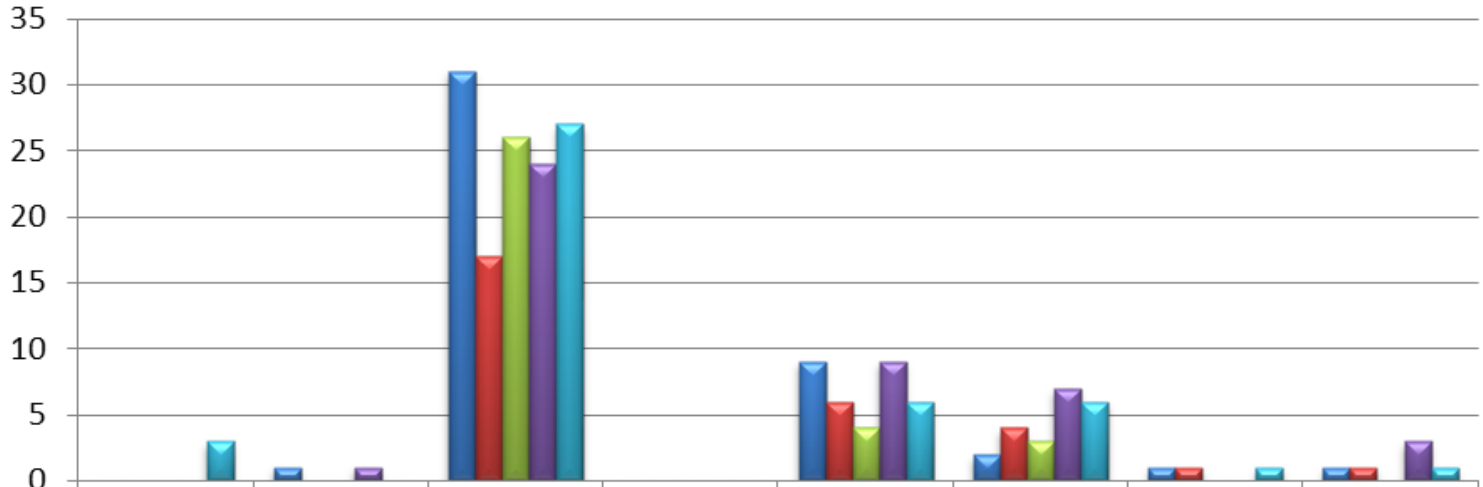
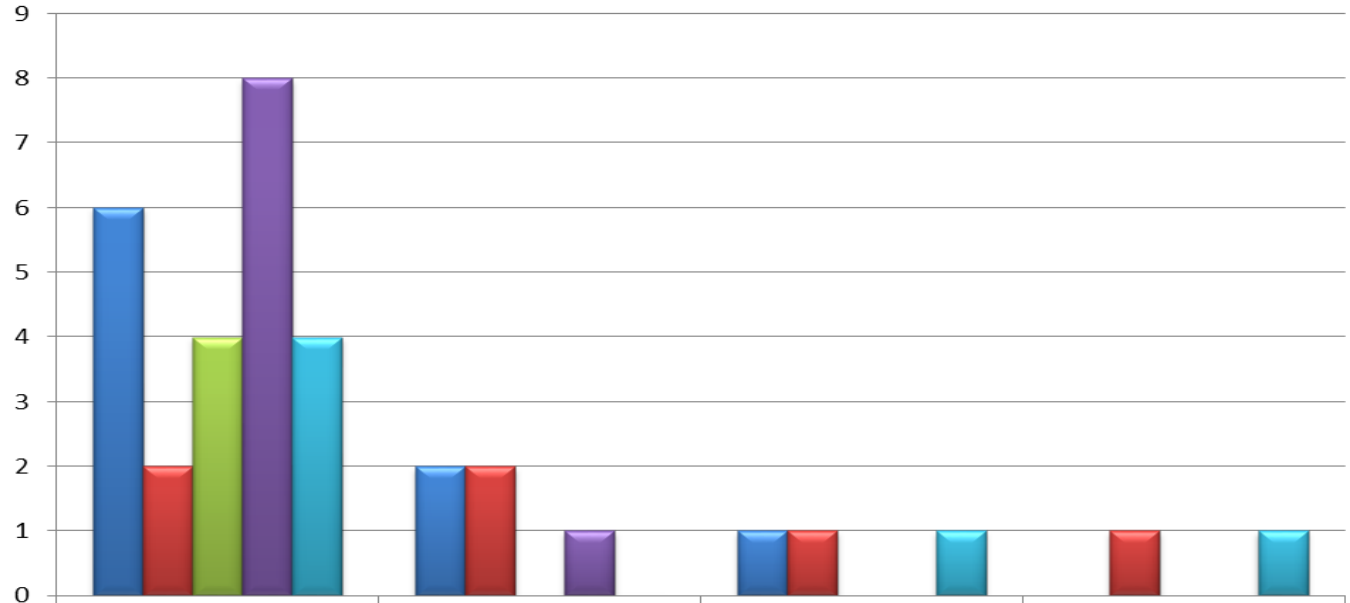
SOUTHERN MINNESOTA

Accidental Deaths by Type



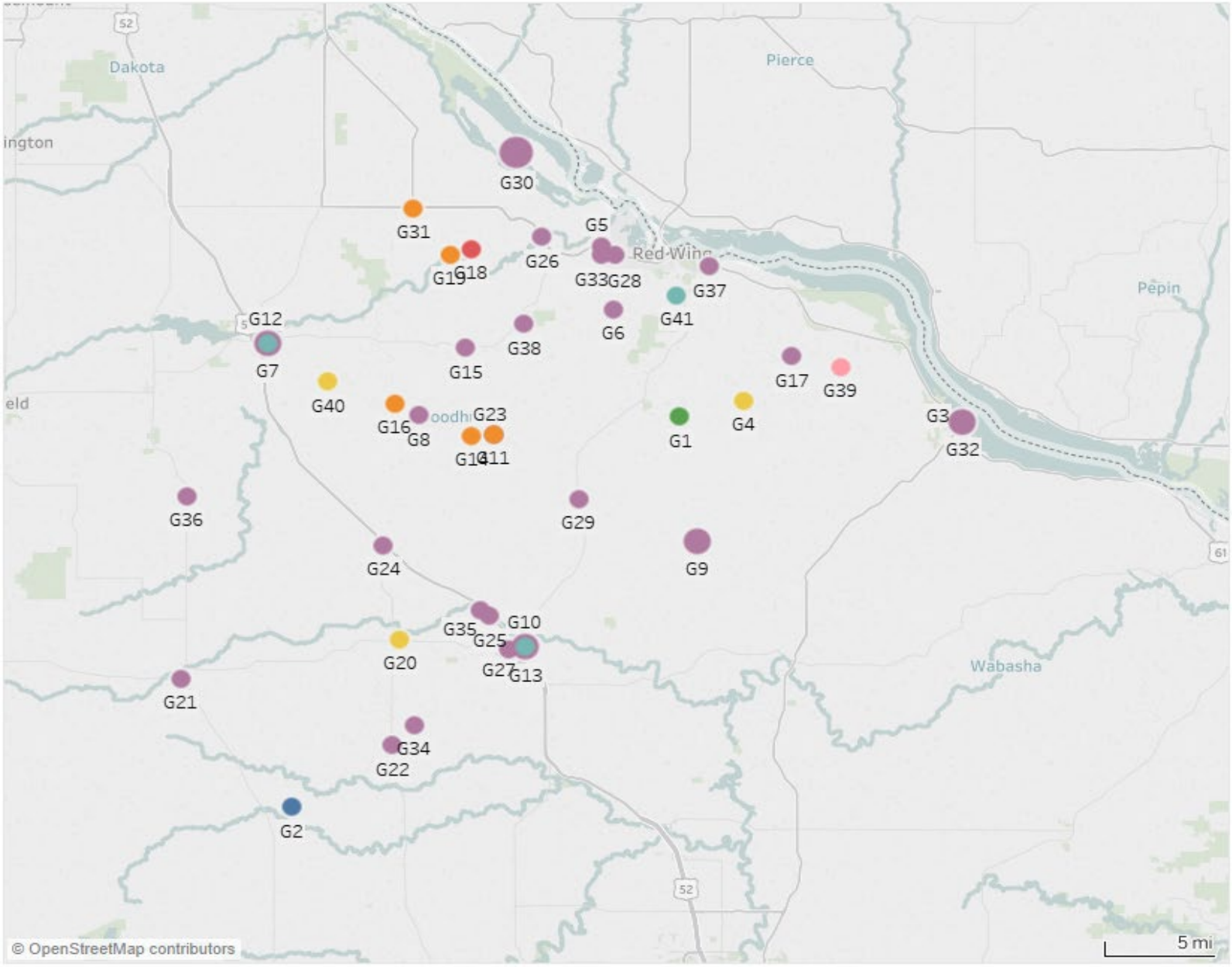
	Burns	Drowning	Fall	Firearm	Motor Vehicle	Poison / Drugs	Asphyxia / Choking	Other
2015	0	1	31	0	9	2	1	1
2016	0	0	17	0	6	4	1	1
2017	0	0	26	0	4	3	0	0
2018	0	1	24	0	9	7	0	3
2019	3	0	27	0	6	6	1	1

Accidental Deaths – Vehicle Crashes



	Auto / SUV	Motorcycle	Pedestrian	Other
2015	6	2	1	0
2016	2	2	1	1
2017	4	0	0	0
2018	8	1	0	0
2019	4	0	1	1

Vehicle Accidents by County of Accident, Type of Accident, and Number of Fatalities
Goodhue County
2014-2019



County of Accident1

Goodhue

# of Fatalities

1

3

Type of Vehicle1

- ATV
- Motorcycle
- Off-road vehicle
- Pedestrian vs Train
- Pedestrian vs Vehicle
- Snowmobile
- Tractor
- Vehicle

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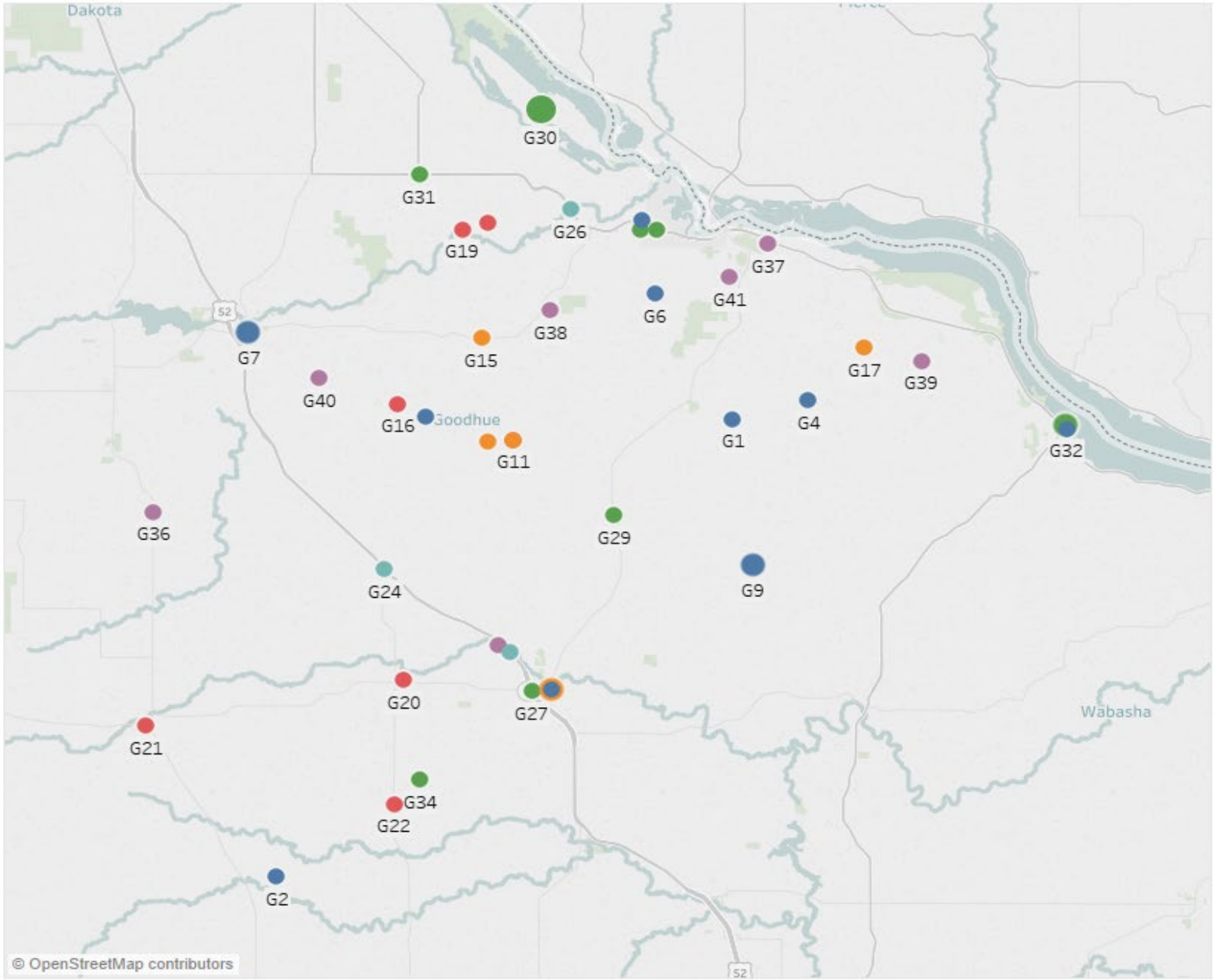
Vehicle Accident Deaths Goodhue County 2014-2019



County of Accident1

Goodhue

Year of Death1

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019

# of Fatalities

- 1
- 3

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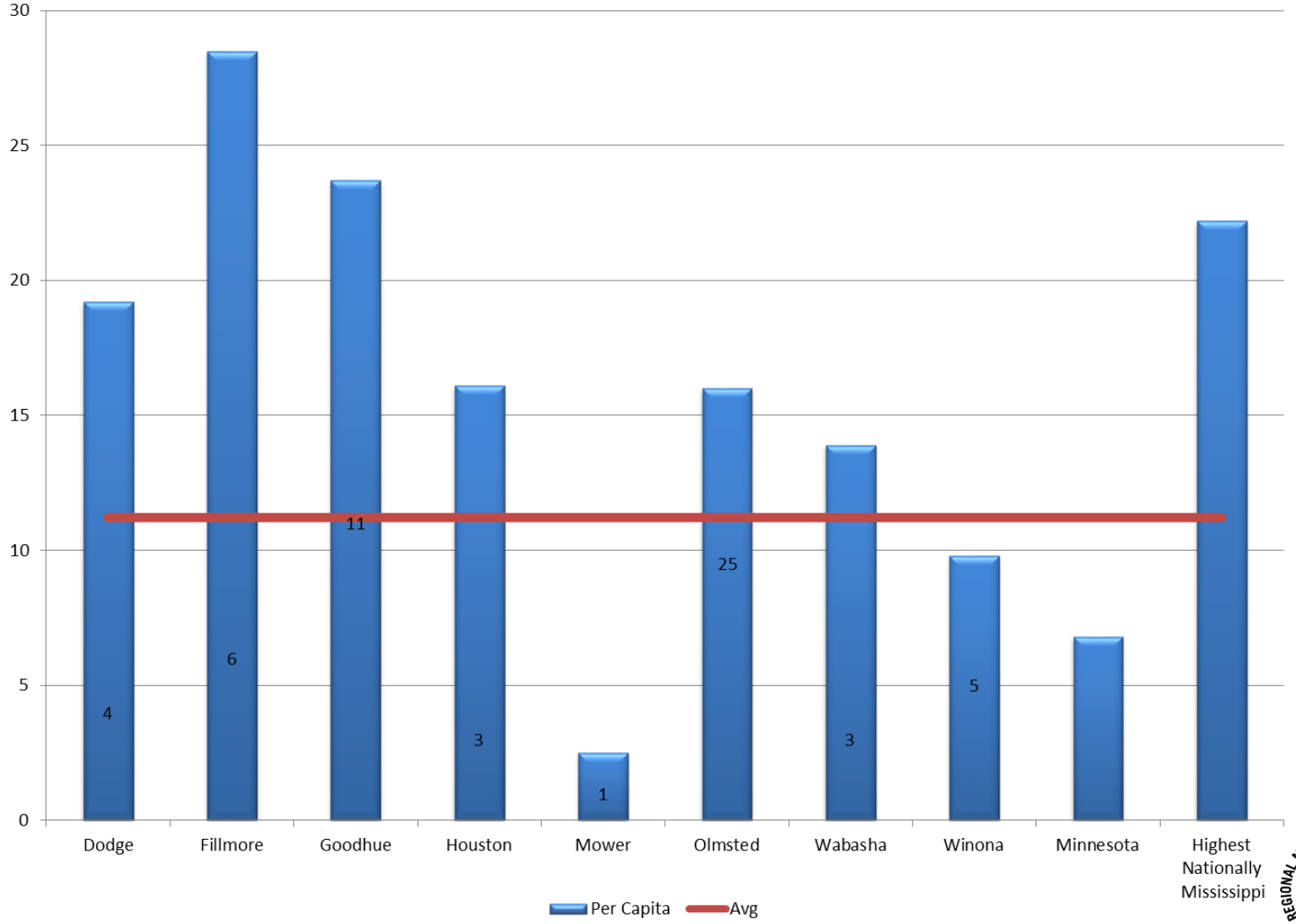
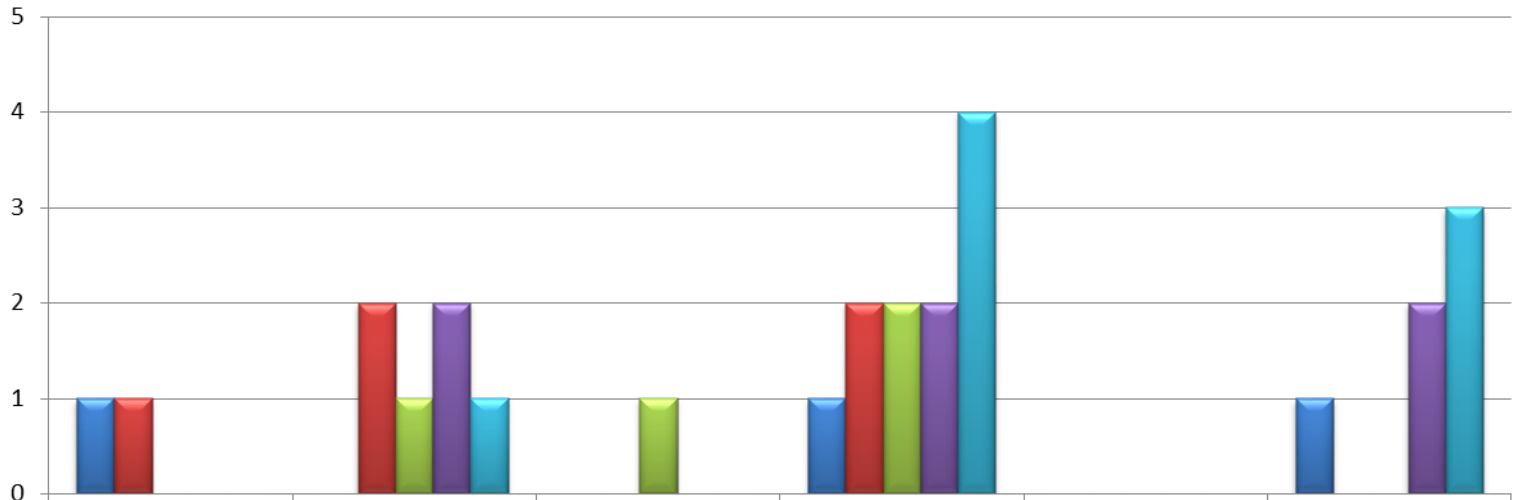
Motor Vehicle Fatality Rate per Capita

per 100,000 people; Based on 2018 data



Deaths Related to Poison/Drugs



	Alcohol	Illegal Drugs	Over-the-counter Medication	Prescription Medication	Other Drug/Poison	Mixed Drugs
2015	1	0	0	1	0	1
2016	1	2	0	2	0	0
2017	0	1	1	2	0	0
2018	0	2	0	2	0	2
2019	0	1	0	4	0	3

Volume by decedent

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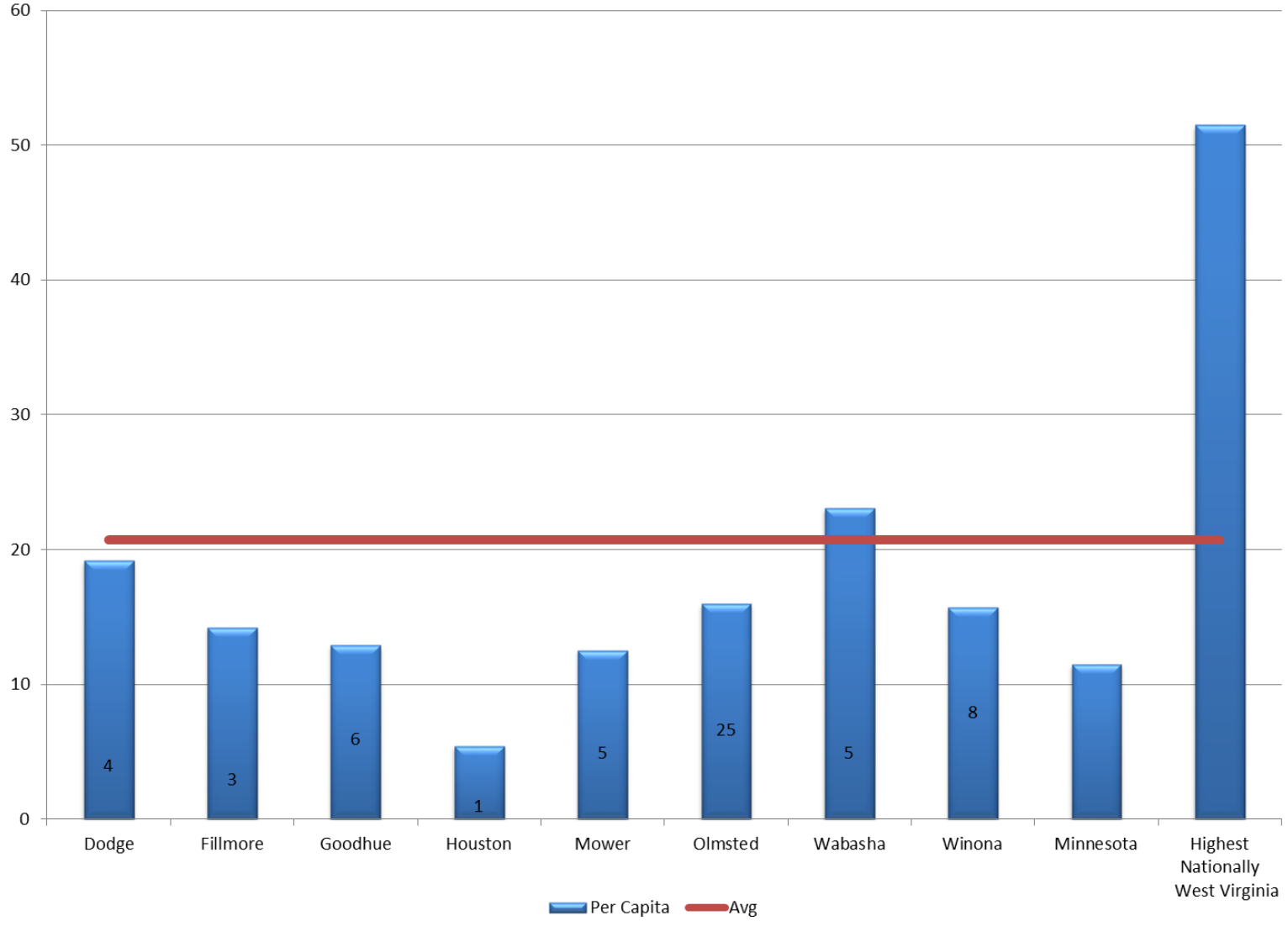
Drug Overdose Rate per Capita

per 100,000 people; Based on 2018 data



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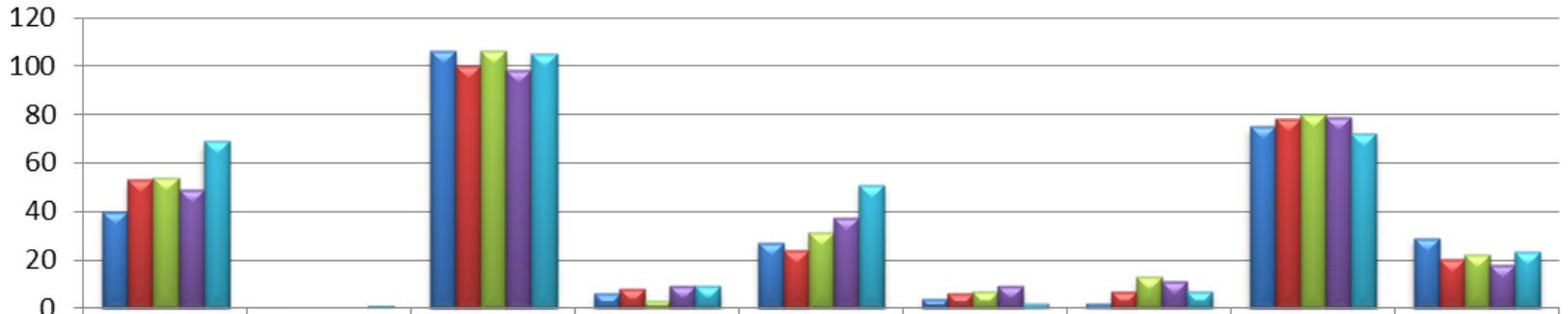
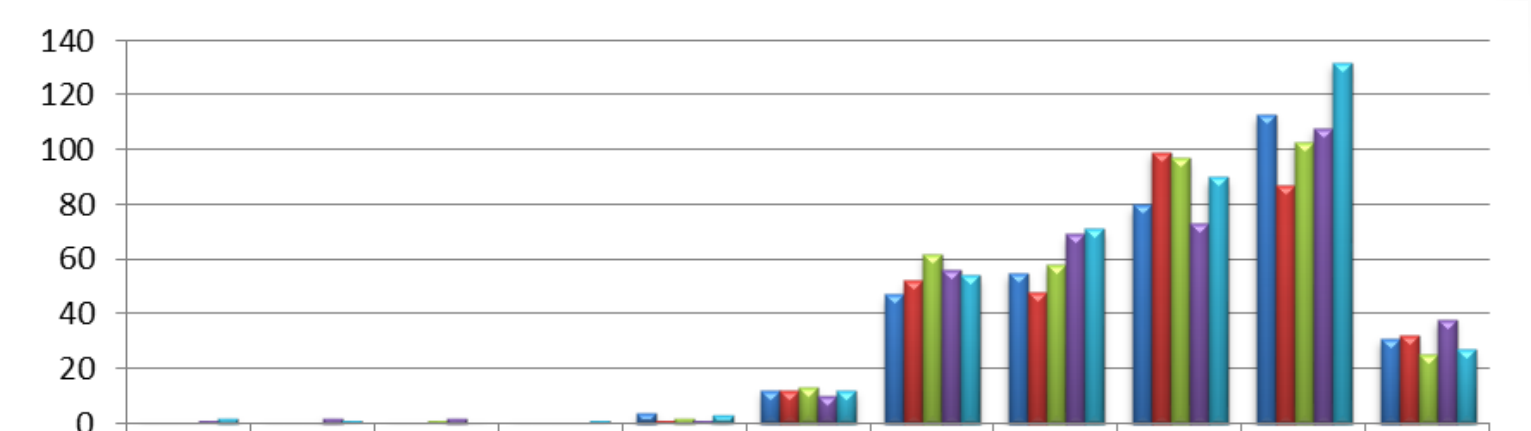
SOUTHERN MINNESOTA

Deaths by Natural Causes



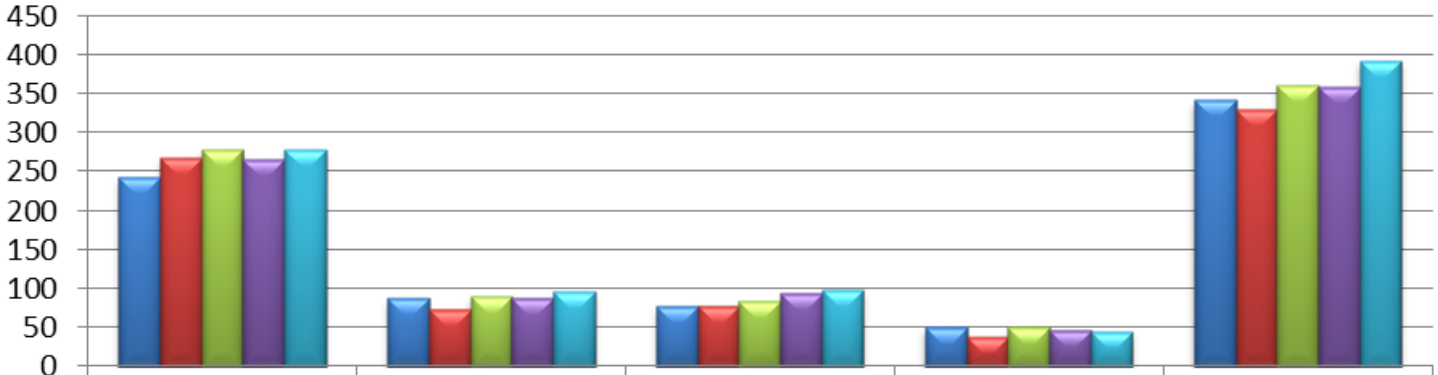
	Neurologic	Genito-urinary	Cardiac	Kidney	Pulmonary	Liver	Gastro-intestinal	Cancer	Other
2015	40	0	106	6	27	4	2	75	29
2016	53	0	100	8	24	6	7	78	20
2017	54	0	106	3	31	7	13	80	22
2018	49	0	98	9	37	9	11	79	18
2019	69	1	105	9	51	2	7	72	23

Deaths by Age Group



	<1	1-5	6-10	11-17	18-25	26-44	45-64	65-74	75-84	85-94	95+
2015	0	0	0	0	4	12	47	55	80	113	31
2016	0	0	0	0	1	12	52	48	99	87	32
2017	0	0	1	0	2	13	62	58	97	103	25
2018	1	2	2	0	1	10	56	69	73	108	38
2019	2	1	0	1	3	12	54	71	90	132	27

Medical Examiner Activities



	Investigations	Death Certificates Signed	ME Scenes	Postmortem Exams	Reported Deaths
2015	243	88	77	51	342
2016	269	73	79	39	331
2017	279	90	85	51	361
2018	267	88	94	48	360
2019	279	96	99	46	393