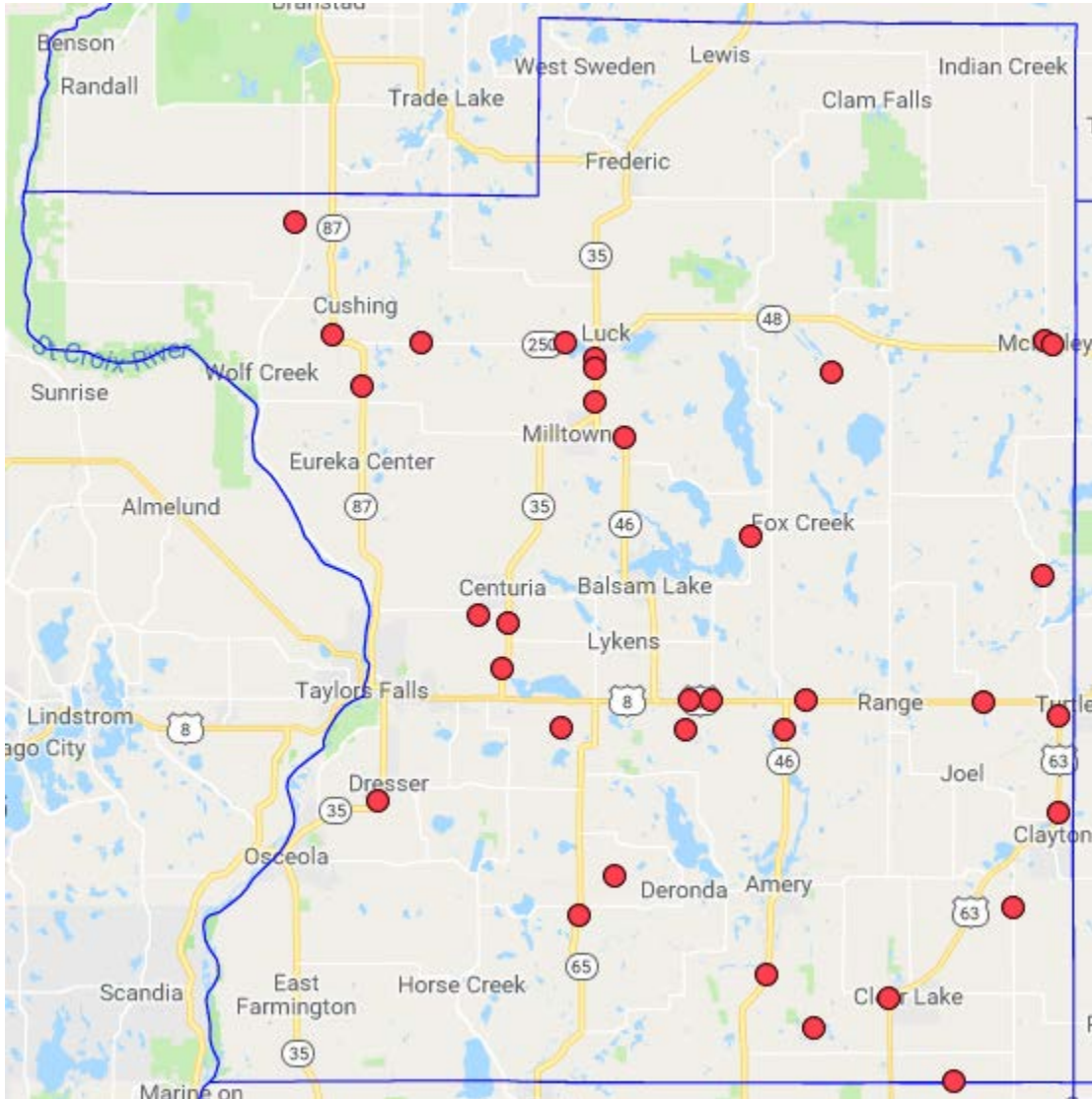


ANATOMY OF POLK COUNTY: A TRAFFIC SAFETY SUMMARY



DID YOU KNOW...

One individual is killed or injured in a crash in Polk County every 1.5 days?

THE PLACE

Section Summary

The principal routes in the county are USH 8 and USH 63. Polk County is among the top ten counties in the state for the number of registered vehicles per VMT.

Urbanization

Polk County is adjacent to the Minneapolis-St. Paul-Bloomington metropolitan area. 14.53% of the county's population lives in urban areas, and 0.67% of the area of the county is urban.¹ The St. Croix River comprises the western border of the county, across which is the state of Minnesota. The St. Croix National Scenic Riverway includes the entirety of the St. Croix River.

Road Network

United States Highway (USH) 8 is a primary arterial traveling from east to west through the center of the county through St. Croix Falls and Turtle Lake. To the east, USH 8 heads toward Almena, Barron, and Ladysmith. To the west, USH 8 travels toward Taylors Falls, Shafer, Lindstrom, and Chisago City in Minnesota. USH 8 carries traffic toward Minneapolis-St. Paul by connecting with Interstate 35 to the north of the cities. USH 63 is a north-south primary arterial that travels through Clear Lake, Clayton, and Turtle Lake. In Turtle Lake, USH 8 and USH 63 are concurrent as the highways exit the county to the east. To the north, USH 63 travels to Cumberland, Shell Lake, and Spooner, and to the south, it travels to Baldwin, Ellsworth, and Red Wing, Minnesota. In St. Croix County, USH 63 connects with State Trunk Highway (STH) 64 as well as I-94, both of which carry traffic to and from Minneapolis-St. Paul.

STH 35 is designated as a north-south highway that travels from southwest to northeast in western and north-central areas of the county through Osceola, Dresser, St. Croix Falls, Centuria, Milltown, Luck, and Frederic. To the north, STH 35 goes to Siren, Webster, and Superior, and to the south, it heads toward Somerset, Hudson, and River Falls. STH 46 begins at STH 35 in Milltown and heads south through Balsam Lake and Amery on its way to Deer Park and USH 63 in St. Croix County. STH 65 begins at USH 8 in the town of Balsam Lake and heads south through rural areas of the county and then to Star Prairie, New Richmond, and River Falls. STH 87 begins at USH 8 in St. Croix Falls and heads north through rural areas of the county and then head to Grantsburg. STH 48 is designated as an east-west highway that travels through Frederic and Luck in northern sections of the county. To the west, STH 48 travels to Grantsburg and to the east it travels to Cumberland and Rice Lake. STH 243 begins at STH 35 in Osceola and heads west crossing the St. Croix River into Minnesota where the highway is signed as Minnesota State Highway 243. This highway connects with Minnesota State Highway 95, which parallels the St. Croix River on the Minnesota side of the river. This bridge carries traffic between the Minneapolis-St. Paul area and the villages of Osceola and Dresser.

¹ United States Census Bureau. "Percent urban and rural in 2010 by state and county." Accessed Sept. 29, 2017. <https://www.census.gov/geo/reference/ua/urban-rural-2010.html>

Miles of Roadway

There are 1,986 miles of roadway in the county, including 159 (8.0%) miles of state roads, 331 (16.7%) miles of county roads, 1,486 (74.8%) miles of local roads, and 10 miles of another type.²

Vehicle Registrations and Vehicle Miles of Travel (VMT)

In 2016, there were 17,504 autos, 3,106 cycles, 4,596 trailers, and 28,677 trucks registered in Polk County.³ VMT in 2016 was 504,217,570.⁴

² Wisconsin Department of Transportation. "County Maps." Accessed Sept. 29, 2017. <http://wisconsin.gov/Pages/travel/road/hwy-maps/county-maps/default.aspx>

³ Wisconsin Department of Transportation. "Facts and Figures 2016, Vehicles Registered by County." Accessed Nov. 6, 2017. <http://wisconsin.gov/Documents/about-wisdot/newsroom/statistics/factsfig/vehregcounty.pdf>

⁴ Wisconsin Department of Transportation. "2016 Vehicles Miles of Travel (VMT) by County." Accessed Nov. 6, 2017. <http://wisconsin.gov/Documents/projects/data-plan/veh-miles/vmt2016-c.pdf>

Traffic Volume

As can be seen, traffic volumes in Polk County are highest in the western portions of the county near the intersections of Highway 10 and at the intersections of Highway 35 and 8 (near the towns of St. Croix Falls, WI and Taylors Falls, MN). Over the next decades, if suburbanization in the Twin Cities continues, it is possible that traffic volumes will increase on these important road networks even as local populations decline.

FIGURE 1:



Commuting Flows

FIGURE 2: COMMUTING FLOWS AMONG COUNTIES

Workers who Reside in Polk County Work in:		People who Work in Polk County Reside in:	
Polk County	12,779	Polk County	12,779
St. Croix County	1,847	St. Croix County	995
Washington County, MN	1,291	Barron County	747
Ramsey County, MN	1,011	Chisago County, MN	630
Barron County	840	Burnett County	543
Chisago County, MN	715	Washington County, MN	131
Hennepin County, MN	689	Ramsey County, MN	114
Burnett County	465	Dunn County	99
Anoka County, MN	289		
Dakota County, MN	192		
Pierce County	55		
Dunn County	53		
St. Louis County, MN	39		
Washburn County	37		
Eau Claire County	34		
Others	518	Others	353

5

As seen below in Figure 3, the most common commuting flow between two different municipalities is between residences in the town of Lincoln and workplaces in Amery.

FIGURE 3: COMMUTING FLOWS BETWEEN MUNICIPALITIES (TOP 15)

Residence	Place of Work	Number
Lincoln (Town)	Amery	328
Osceola (Town)	Osceola	277
Black Brook (Town)	Amery	180
Apple River (Town)	Amery	155
Farmington (Town)	Osceola	141
Alden (Town)	New Richmond	138
Garfield (Town)	Amery	132
Alden (Town)	Osceola	129
Eureka (Town)	St. Croix Falls	122
Alden (Town)	Amery	119
Osceola (Town)	St. Croix Falls	117
New Richmond	Amery	107
Luck (Town)	Luck	103
Beaver (Town)	Turtle Lake	97
Clear Lake (Town)	Amery	91

6

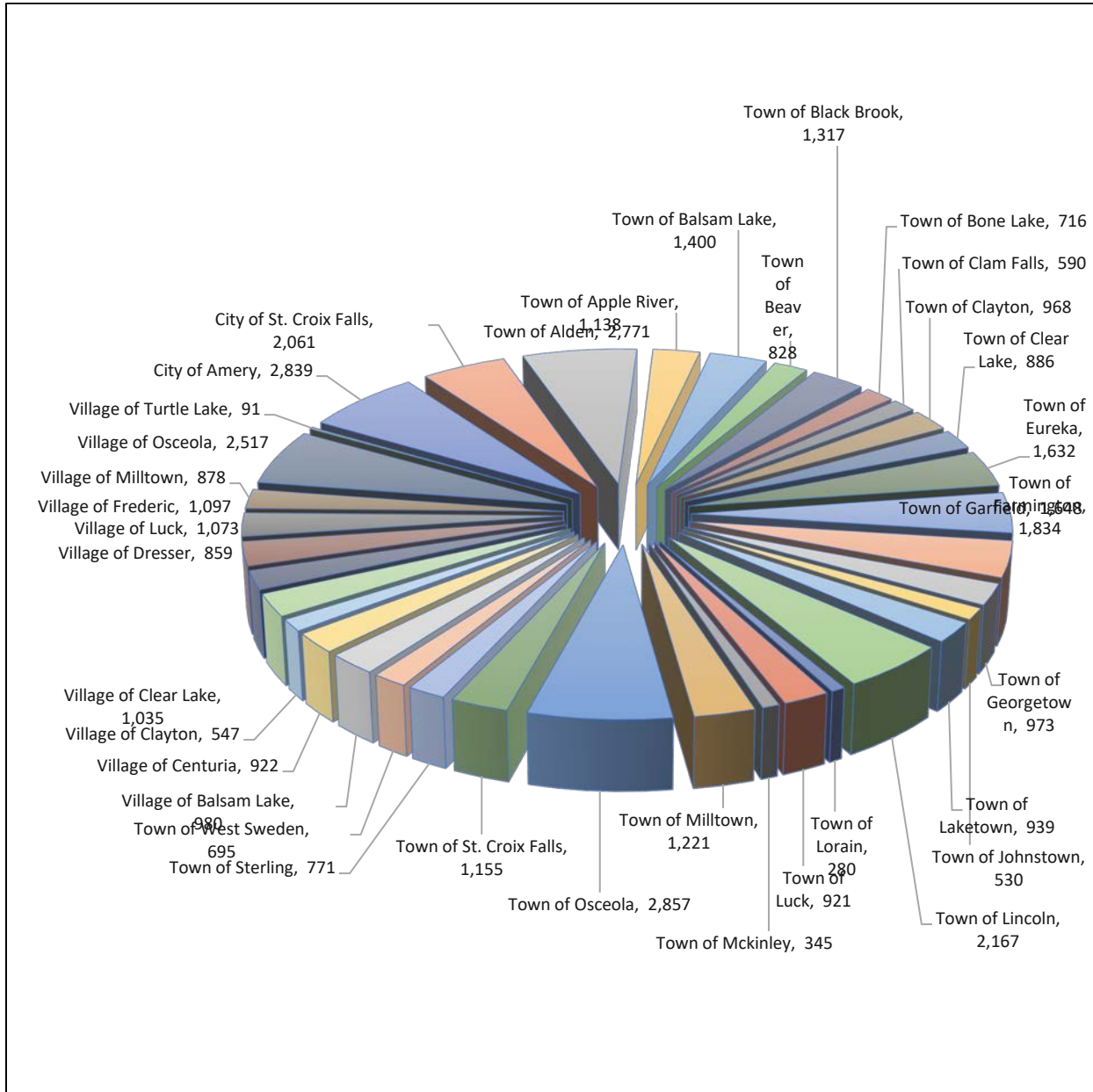
⁵United States Census Bureau. 2009-2013 5-Year American Community Survey Commuting Flows. <https://www.census.gov/data/tables/time-series/demo/commuting/commuting-flows.html> Accessed Sept. 29, 2017.

⁶United States Census Bureau. 2009-2013 5-Year American Community Survey Commuting Flows. <https://www.census.gov/data/tables/time-series/demo/commuting/commuting-flows.html> Accessed Oct. 5, 2017.

THE POPULATION

The population of Polk County—about 43,500 individuals—is distributed through 36 jurisdictions, with no dominant population centers. Combined, the three largest jurisdictions (the city of Amery, the town of Osceola, and the town of Alden) comprise less than 20% of the county’s population.

FIGURE 4: POPULATION OF POLK COUNTY MUNICIPALITIES (2016)



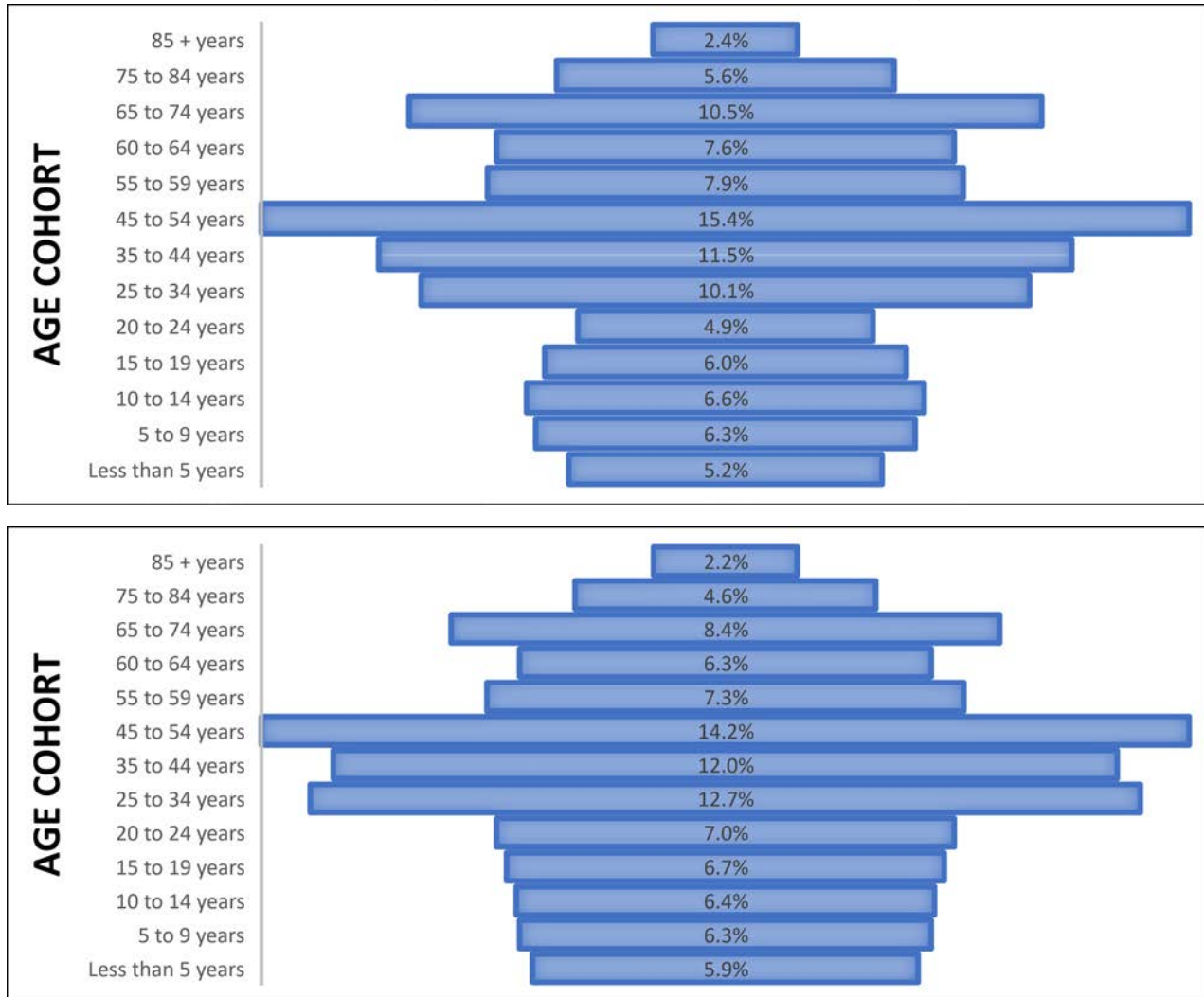
7

⁷ United States Census Bureau. “Selected Economic Characteristics DP03, Employment Status.” 2012-2016 American Community Survey 5-Year Estimates. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP03&src=pt Accessed November 4th, 2017.

Population Trends

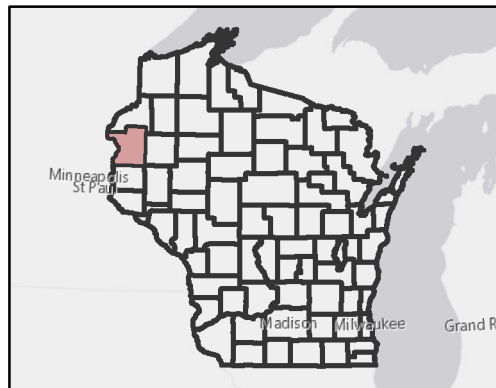
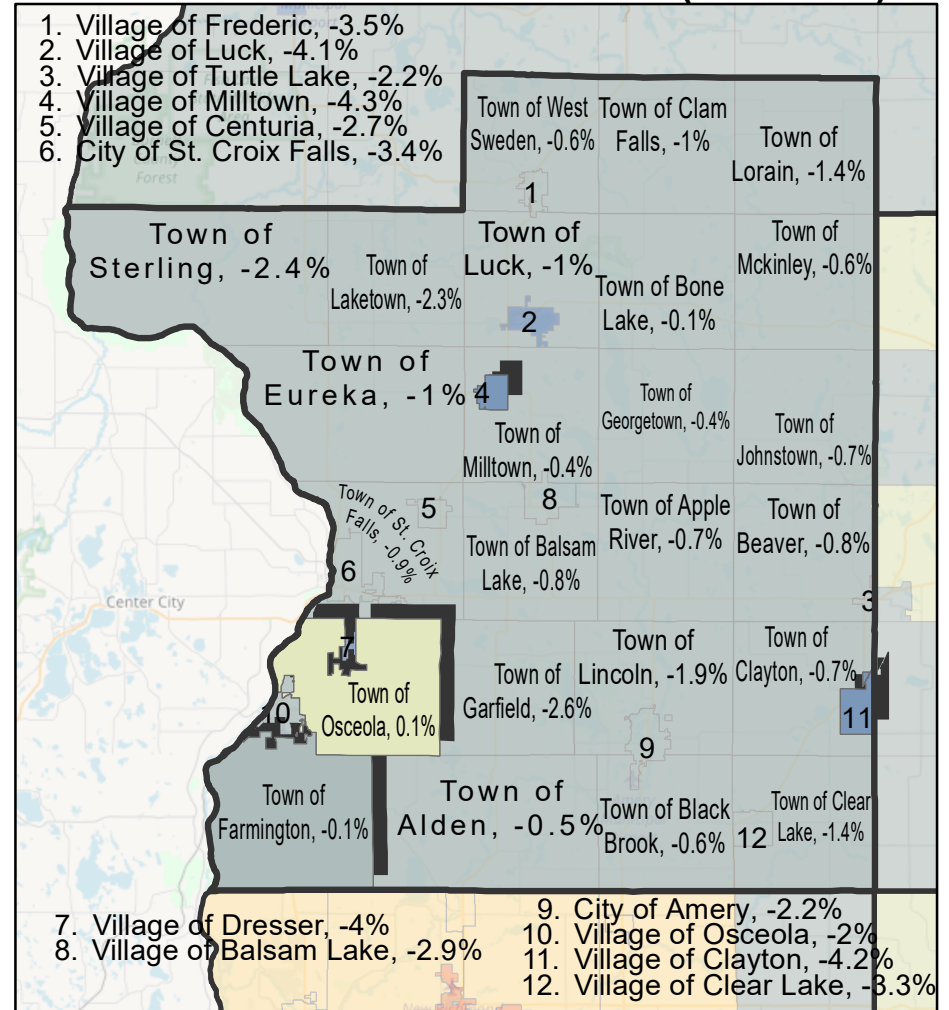
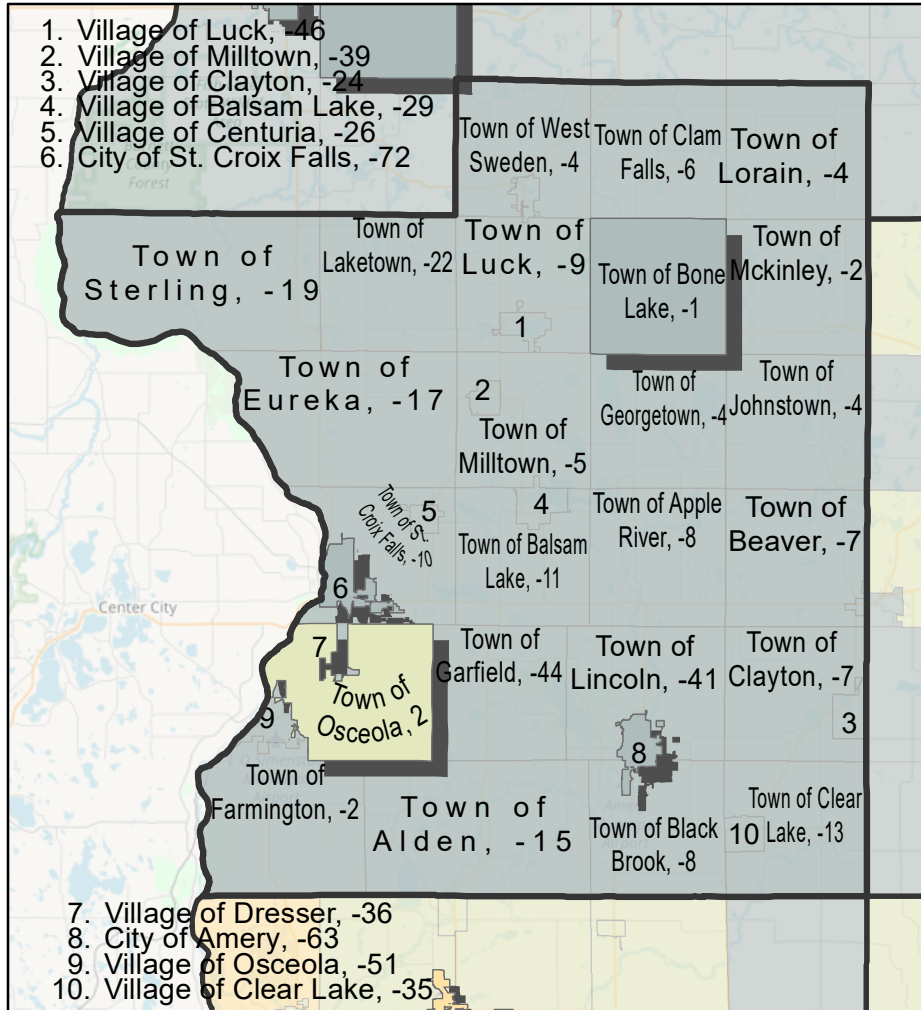
Between 2010 and 2016, the county’s population decreased by about 2.5%. The average age of the county is significantly than that of the state (44.5 vs. 39 years). Polk County’s population pyramid is thus more “top-heavy” than that of the state. Generally, jurisdictions in the county are experiencing modest population decreases of between 0.5 and 4% with no obvious geographic pattern to this decline. (In the images, the measure of absolute population change merely shows the raw population changes between 2010 and 2016, while the measure of “relative population change” weights such absolute changes by the base population figures of 2010).⁸

FIGURE 5⁹: POPULATION PYRAMIDS (POLK COUNTY ABOVE AND STATE BELOW)

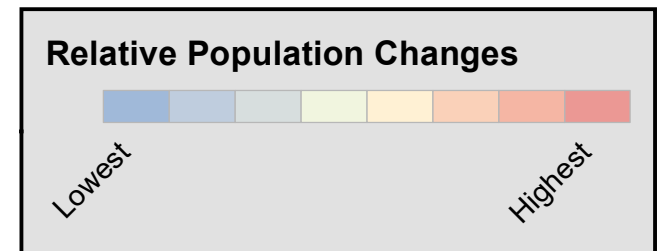
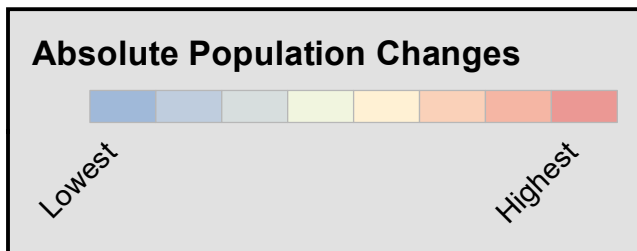


⁸ The highlighted jurisdiction in the image shows the two jurisdictions that are growing fastest and the two jurisdictions growing the slowest.
⁹ United States Census Bureau. “Selected Economic Characteristics DP03, Employment Status.” 2012-2016 American Community Survey 5-Year Estimates. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP03&src=pt Accessed November 6th, 2017.

ABSOLUTE AND RELATIVE POPULATION CHANGES POLK COUNTY MUNICIPALITIES (2010-2016)



Produced by E. Moorman, Bureau of Transportation Safety and the Division of State Patrol, Data from ESRI and the US Census Bureau, 2016

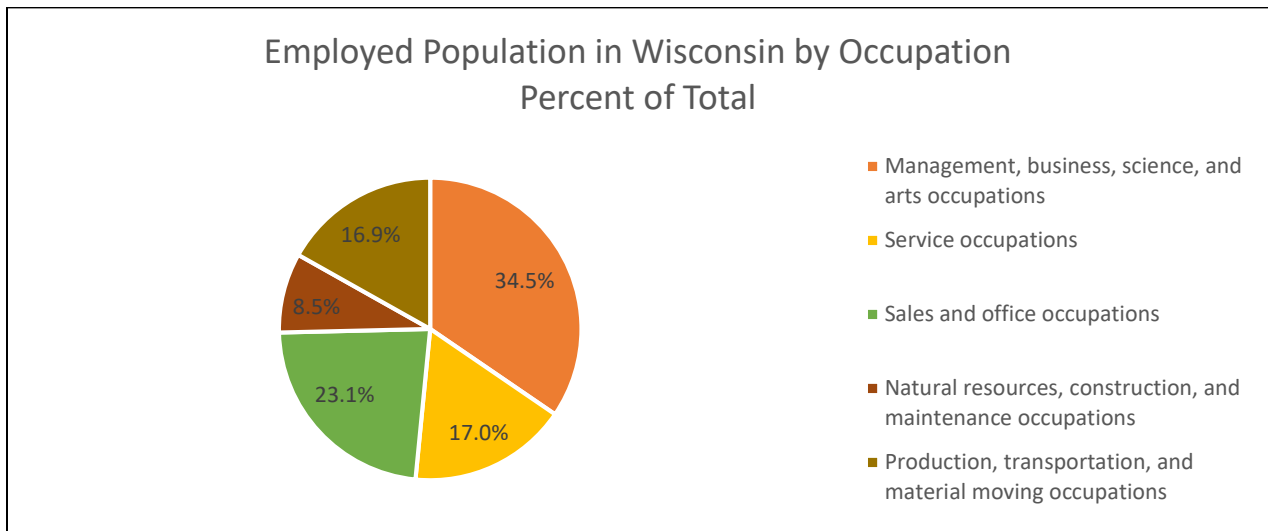
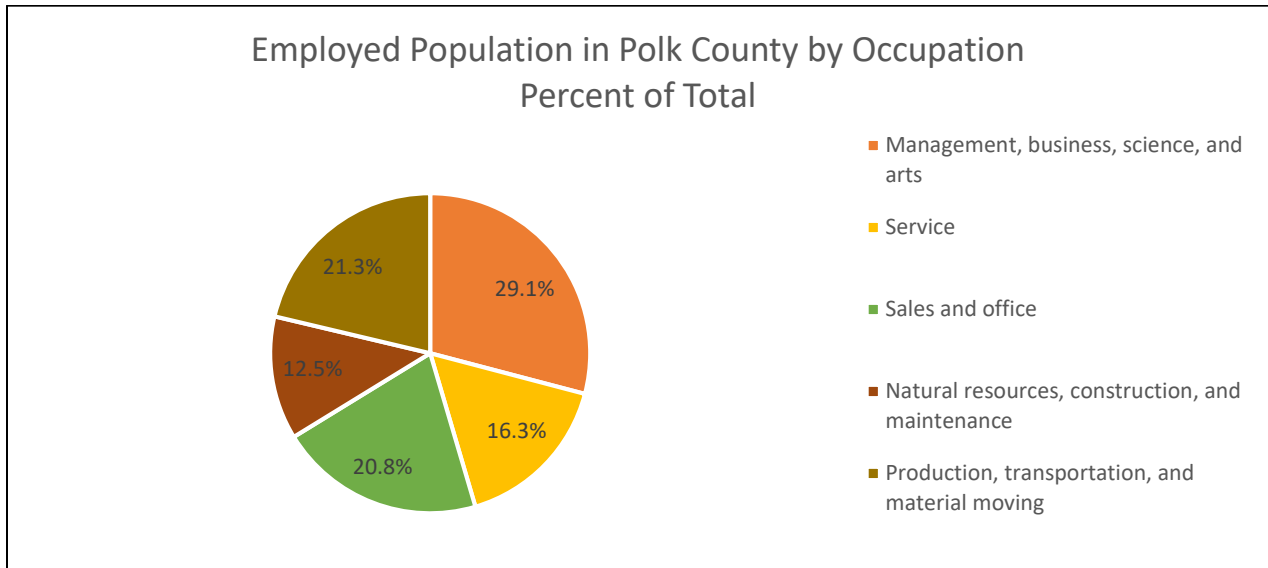


THE ECONOMY

Section Summary

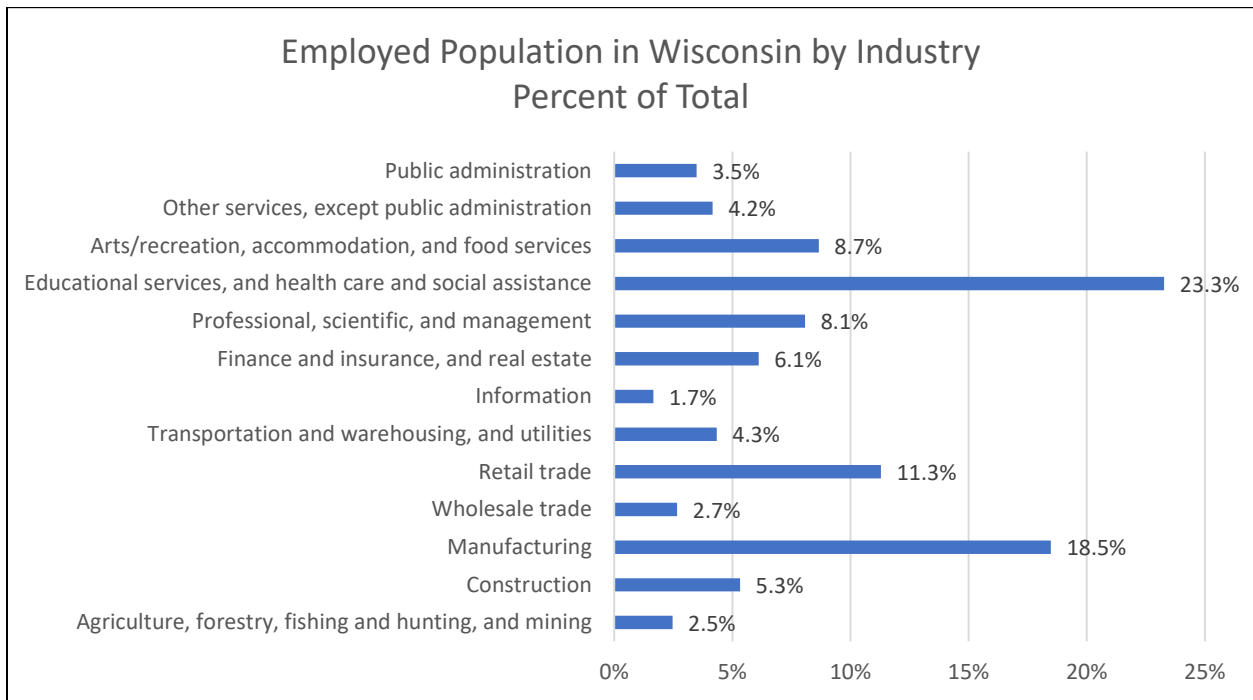
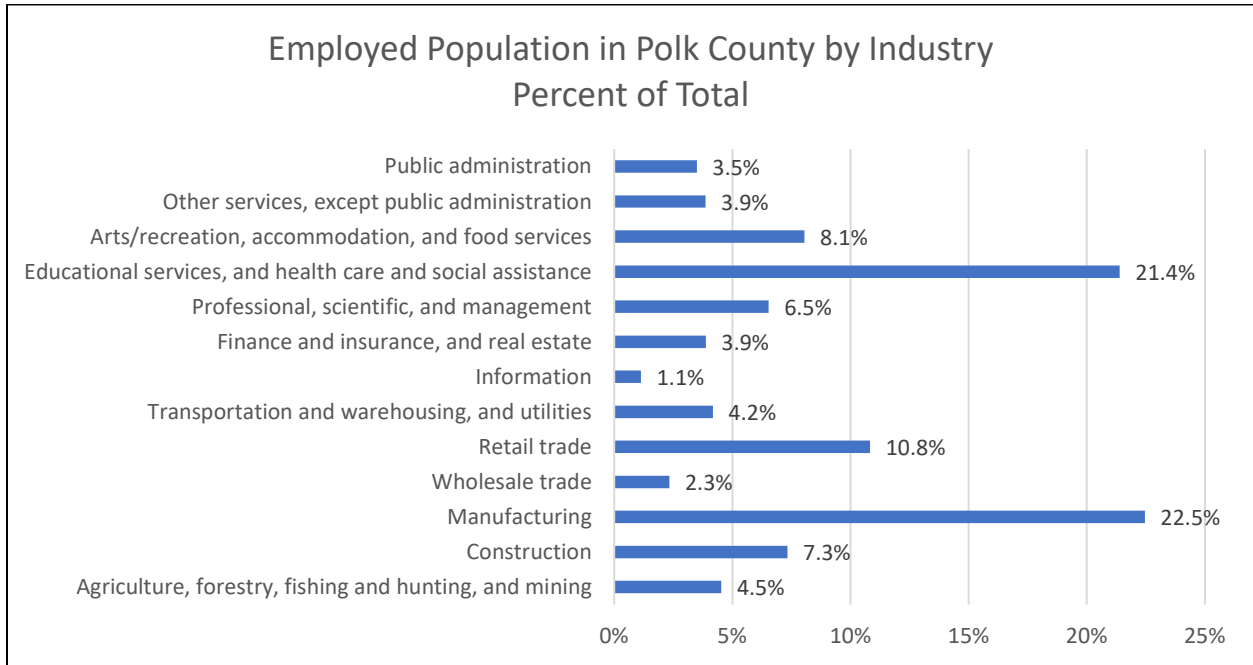
The unemployment rate in Polk County has been, on average, 0.8% higher than that of the state over the last decade. Generally, the county has a comparatively low number of jobs in management, business, science, or the arts. The proportion of the population that works in manufacturing is fairly large.

FIGURE 7: EMPLOYMENT BY OCCUPATION ¹⁰



¹⁰ United States Census Bureau. "Selected Economic Characteristics DP03, Employment Status." 2011-2015 American Community Survey 5-Year Estimates. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP03&src=pt Accessed September 29, 2017.

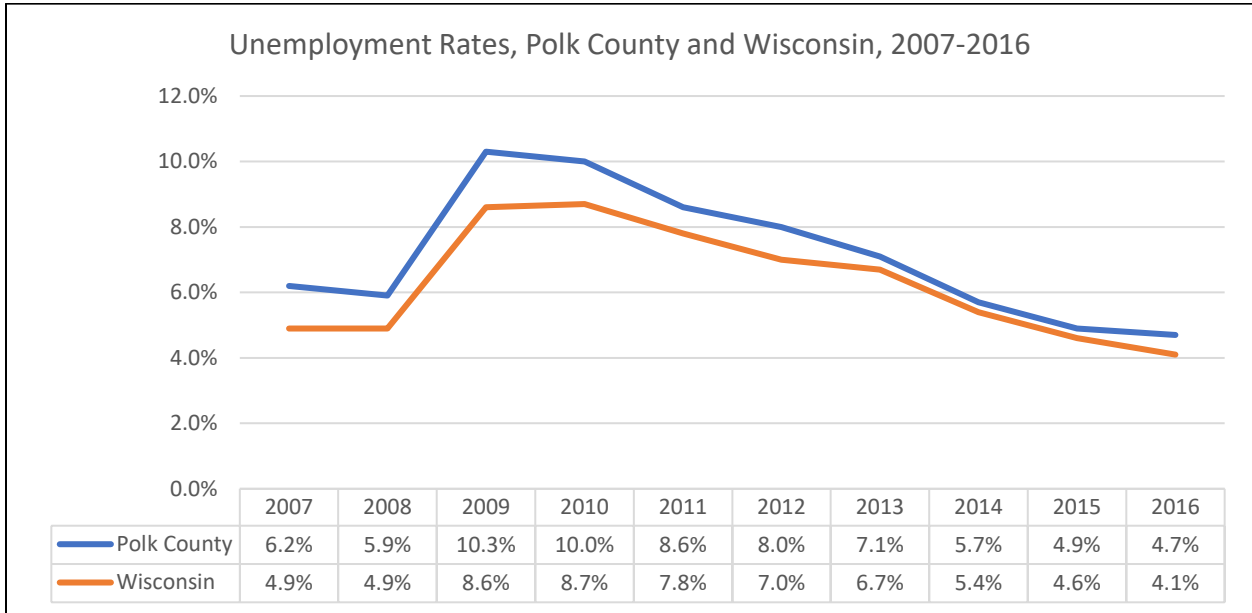
FIGURE 8: EMPLOYED POPULATION BY INDUSTRY



11

¹¹ United States Census Bureau. "Selected Economic Characteristics DP03, Employment Status." 2011-2015 American Community Survey 5-Year Estimates. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_15_5YR_DP03&src=pt Accessed September 29, 2017.

FIGURE 9: UNEMPLOYMENT RATES



12

¹² United States Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics. "Labor Force Data by County," annual averages. <https://www.bls.gov/lau/#tables> Accessed Sept. 29, 2017.

ALCOHOL RISK FACTORS

Section Summary

Fifty-four percent of licensees have liquor for sale for consumption on site. Ten percent of licensees are in Amery, 9% are in Saint Croix Falls, 9% are in Osceola, and 38% are in towns.

FIGURE 10: ALCOHOL BEVERAGE LICENSES BY JURISDICTION, POLK COUNTY

	Amery	Balsam Lake	Centuria	Clayton	Clear Lake	Dresser	Frederic	Luck	Milltown	Osceola	Saint Croix Falls	Turtle Lake	Towns	Total (By Liq. License)
AB or AC	1	1	1				2	2	1	3	2	1	4	18
AL or ALB	5	1		1	2	1	3	3	1	2	3	1	12	35
BB or CW	3	1					1	1	2	4	3		7	22
BL or BLB	7	6	3	2	5	3	4	2	3	5	7	2	38	87
Others														0
Total (By Municipality)	16	9	4	3	7	4	10	8	7	14	15	4	61	162

13

Establishments within a municipality but outside the county are not included in the table.

CODE	DESCRIPTION
AB	Beer for sale off site (convenience stores, grocery stores)
AC	Cider for sale off site (convenience stores, grocery stores)
AL	Liquor for sale off site (drug stores, wineries)
ALB	Beer, wine, or liquor for sale off site
BB	Beer for sale on site or off site
BL	Liquor for sale on site (winery)
BLB	Beer or liquor for sale on site (taverns, supper clubs)
CW	Wine for sale on site (restaurants) (usually in conjunction with BB)

14

¹³ Wisconsin Department of Revenue. Oct. 4, 2017. "WI Liquor Licenses 2017-18."

¹⁴ Wisconsin Department of Revenue. "Liquor License Report, Liquor License Codes." <https://www.revenue.wi.gov/Pages/OnlineServices/liqlicrpt.aspx>. Accessed Oct. 25, 2017.

FIGURE 10.2: ALCOHOL LICENSES IN POLK COUNTY BY JURISDICTION

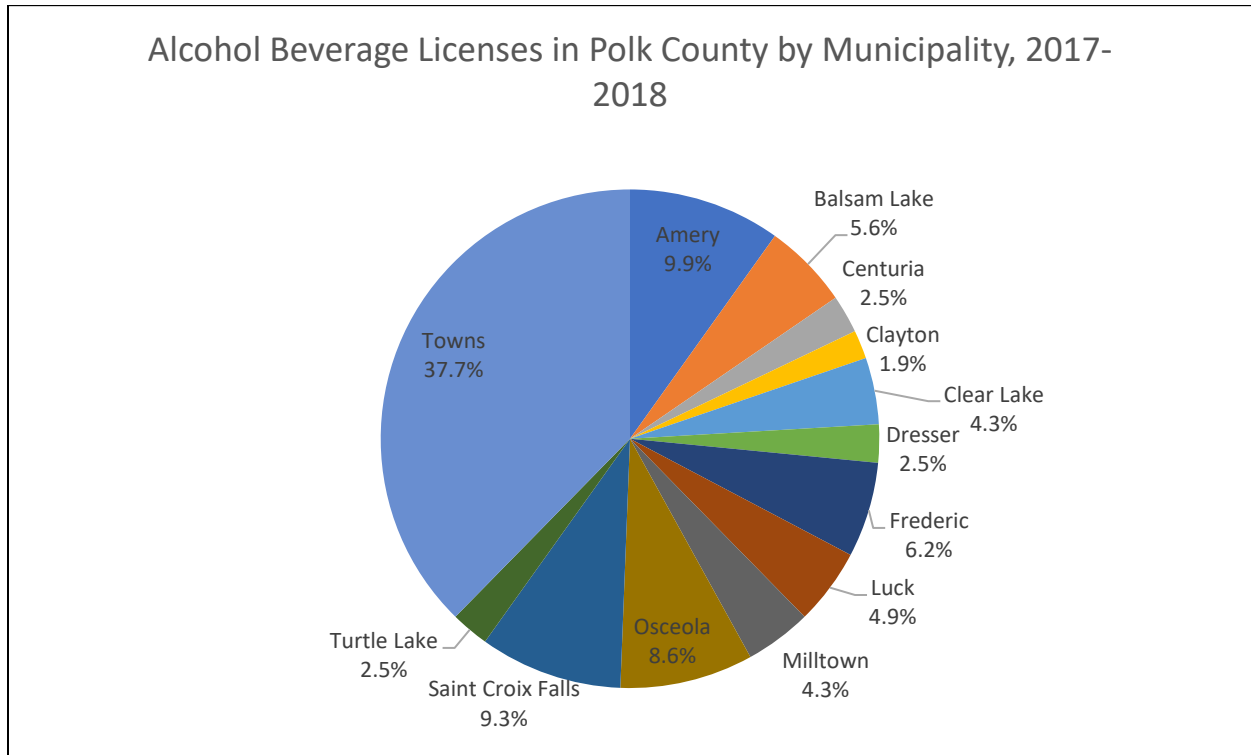
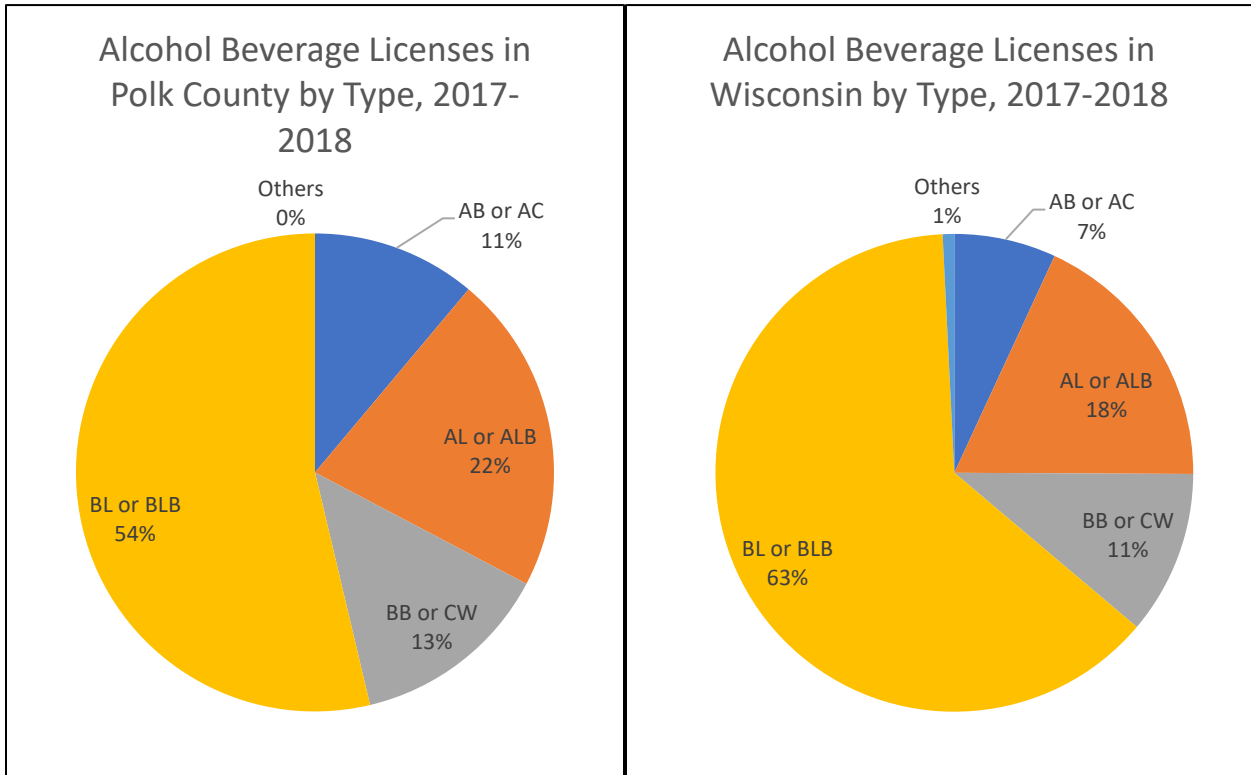


FIGURE 11: ALCOHOL BEVERAGE LICENSES BY TYPE



HEALTH INFRASTRUCTURE

Injury-to-Death Ratios

Injury-to-death ratios are computed by dividing the total number of crash injuries by the crash fatalities. Higher rates are positive in that fatalities comprise a smaller percentage of crash victims. In general, higher rates are found in the state's urbanized southeastern and south-central regions and the Fox Valley, where crashes are more likely to occur in more developed areas (and thus at slower speeds). In rural areas, the converse is true (highways and county roads predominate, with crashes occurring at higher average speeds). Generally, rural areas also suffer from a relative lack of proximate hospitals and emergency response services, which means that some crashes which would be survivable in urban areas correspond to fatalities in more rural areas.

Between 2012 and 2017, Polk County reported a far lower injury-to-death ratio than the state generally (30.3 vs. 73.1).

Emergency Services

As can be seen, Polk County contains three different hospitals (all of which are level IV trauma centers).¹⁵ These hospitals are in the southern and western parts of the county, while the northern portions of the county are served by level IV trauma centers in neighboring Burnett and Barron counties. Depending upon location in the county, the closest level III and level II trauma centers are in either the Twin Cities or Eau Claire. The closest level I facility is in Saint Paul.

Polk County maintains 16 different emergency providers (listed below). These companies employ 343 emergency personnel. Consequently, the county is the site of 7.9 emergency response personnel per 1,000 residents. This is higher than the state figure of 4.02 emergency response personnel per 1,000 residents.

¹⁵ The trauma capacities of hospitals are rated on a I-IV scale, with some remaining unrated; Level I hospitals have the greatest capacity. In the image, brighter colors show hot spots, where crash numbers are (locally) concentrated.

FIGURE 13:

**POLK COUNTY FATALITIES AND SERIOUS INJURIES (2014-2017)
WITH MAP OF HOSPITALS**

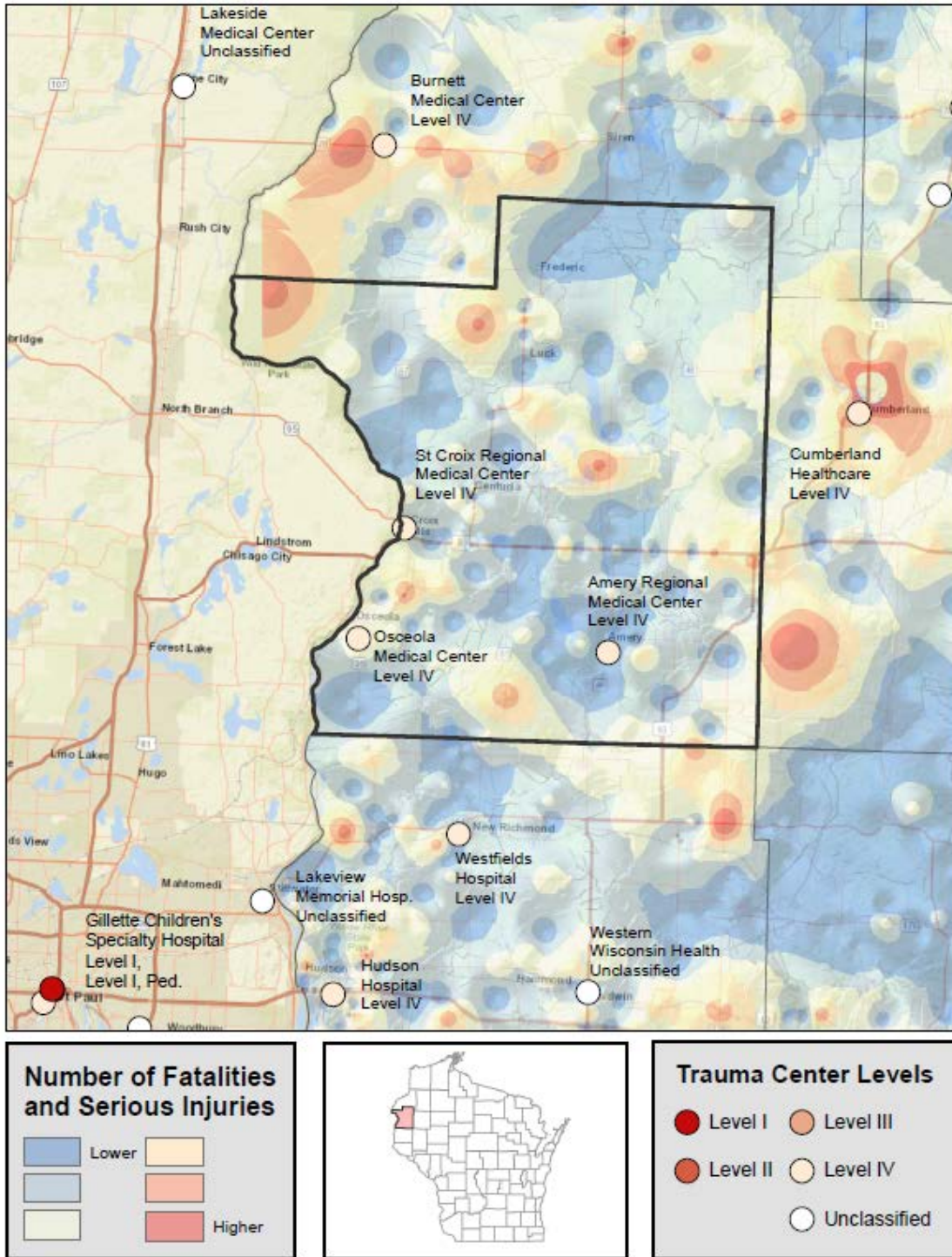
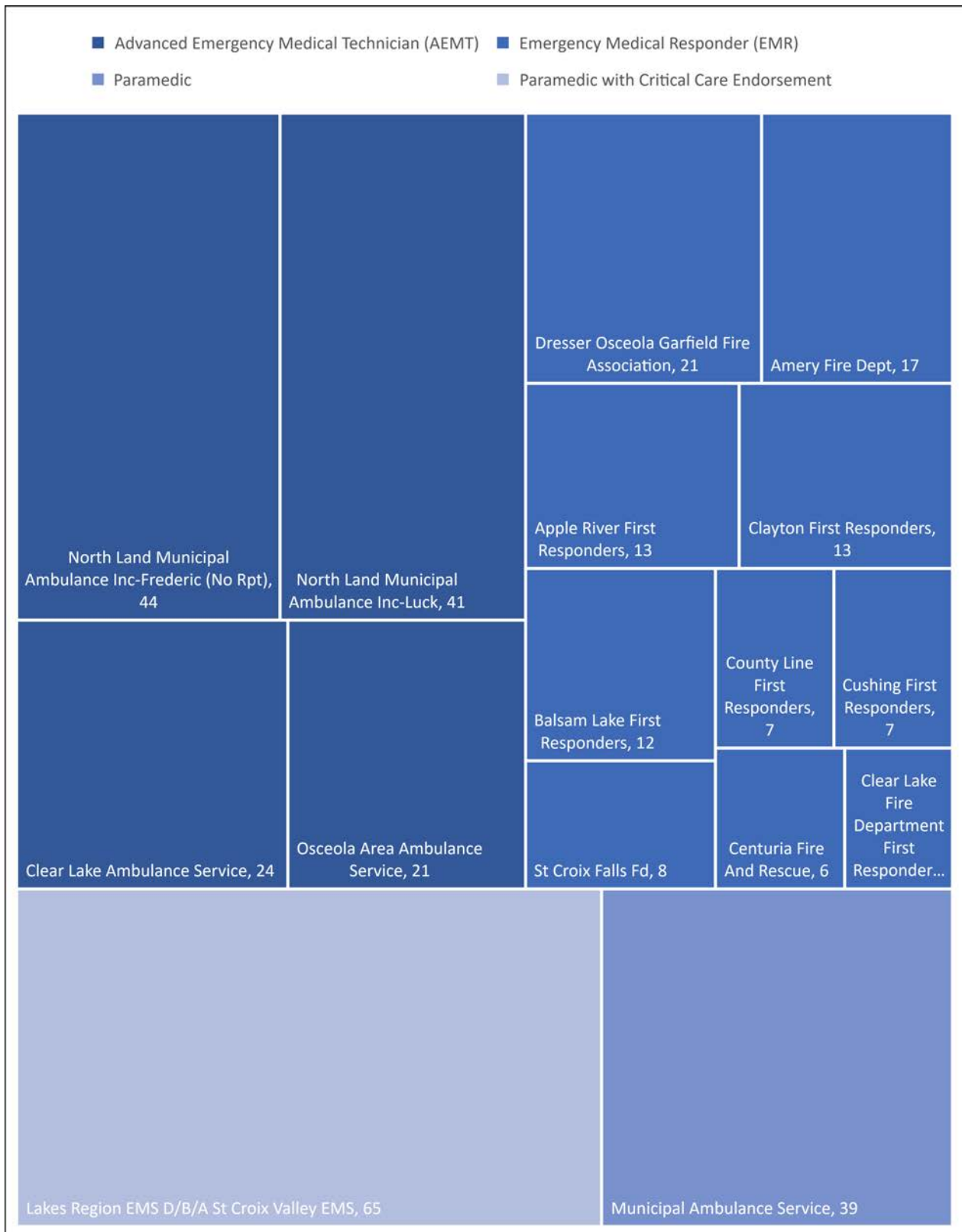


FIGURE 14: NUMBER OF EMT PERSONNEL/JURISDICTION ¹⁶

Primary Address County Name	Service License Level	Service Name	Number of Personnel
Polk	Advanced Emergency Medical Technician (AEMT)	North Land Municipal Ambulance Inc-Frederic (No Rpt)	44
Polk	Advanced Emergency Medical Technician (AEMT)	North Land Municipal Ambulance Inc-Luck	41
Polk	Advanced Emergency Medical Technician (AEMT)	Clear Lake Ambulance Service	24
Polk	Advanced Emergency Medical Technician (AEMT)	Osceola Area Ambulance Service	21
Polk	Emergency Medical Responder (EMR)	Dresser Osceola Garfield Fire Association	21
Polk	Emergency Medical Responder (EMR)	Amery Fire Dept	17
Polk	Emergency Medical Responder (EMR)	Apple River First Responders	13
Polk	Emergency Medical Responder (EMR)	Clayton First Responders	13
Polk	Emergency Medical Responder (EMR)	Balsam Lake First Responders	12
Polk	Emergency Medical Responder (EMR)	St Croix Falls Fd	8
Polk	Emergency Medical Responder (EMR)	County Line First Responders	7
Polk	Emergency Medical Responder (EMR)	Cushing First Responders	7
Polk	Emergency Medical Responder (EMR)	Centuria Fire And Rescue	6
Polk	Emergency Medical Responder (EMR)	Clear Lake Fire Department First Responders	5
Polk	Paramedic	Municipal Ambulance Service	39
Polk	Paramedic with Critical Care Endorsement	Lakes Region EMS D/B/A St Croix Valley EMS	65

¹⁶ Department of Health Services, 2017, Received through Happel, C.

FIGURE 14.2: NUMBER AND LEVEL OF EMERGENCY RESPONDERS PER JURISDICTION



THE CRASHES

Section Summary

For 2012-2016 Polk County averaged 639 crashes with 8 persons killed and 244 persons injured annually. Polk County's fatal crashes constituted 1.1% of their total and was almost three times the amount of the state (0.4%). Over a third, (40.0%), of Polk County's fatal crashes involved alcohol or drug impairment, 34.3% were speed related, and 20.0% were inattention related. The top three driver PCCs for Polk County crashes were failure to control (24%), inattentive driving (22%), and speed too fast for conditions (16%). Most of the fatal crashes (57.1%) occurred on US/state trunk highways whereas the majority for non-fatal injury crashes (44.8%) also occurred on US/state trunk highways. Intersection crashes constituted 29.3% of crashes whereas non-intersection constituted 70.7%. The state numbers were 37.8% and 62.8% respectively. Polk County averaged 258.0 run-off-the-road crashes that constituted 40.4% of their total crashes compared to 25.4% for the state. In terms of actual number, the Polk County Sheriff's Department reported 175 of the 200 (87.5%) fatal and serious injury crashes from 2012-2016, followed by the Wisconsin State Patrol at 8 (4.0%). Eighty-four percent (210 of 251) of the killed and seriously injured persons in Polk County crashes were Wisconsin residents. Seventy-one percent (178 of 251) resided in Polk County. The top three roles of persons killed or seriously injured were drivers (57%), vehicle passengers (21%), and motorcyclists (19%). These percentages are comparable to the state. The 15-24 age bracket contained the greatest number of killed and seriously injured persons for both Polk County and the state of Wisconsin. Of the killed and seriously injured persons in cars and light trucks in Polk County, 67.2% were belted and 32.8% were unbelted. Pedestrians made up 7.9% of the persons killed from 2012-2016 in Polk County, (8.1% for the state), with the greatest pedestrian location being in the roadway and greatest action being walking not facing traffic. There were no bicyclists killed in Polk county during this time frame. Motorcyclists made up 10.5% of the fatalities and 20.2% of the seriously injured compared to 15.3% and 16.5% respectively for the state. This result for motorcyclists meant a five-year average of 0.8 killed and 8.6 seriously injured each year. Of all motorcyclists involved in crashes, 56% were not wearing a helmet.

The State of Wisconsin, in a months-long process, solicited input from a diverse variety of stakeholders to create the most recent version of our Strategic Highway Safety Plan (SHSP), a document that guides investment and safety decisions for three years. The plan has ten different issue areas. General crash-related statistics for Polk County are listed below, and then facts and figures are organized to correspond with these ten issue areas.

GENERAL CRASH-RELATED STATISTICS

FIGURE 15: NUMBER OF CRASHES BY MOST SEVERE INJURY IN THE CRASH AND PERSONS INVOLVED IN CRASHES BY INJURY SEVERITY

	2012		2013		2014		2015		2016		2012-2016 Average	
	Crashes	Persons	Crashes	Persons	Crashes	Persons	Crashes	Persons	Crashes	Persons	Crashes	Persons
Fatality	12	12	3	3	7	8	4	5	9	10	7.0	7.6
Incapacitating Injury	44	60	32	41	36	49	25	32	28	31	33.0	42.6
Non-Incapacitating Injury	82	124	69	95	74	92	67	85	62	78	70.8	94.8
Possible Injury	85	119	70	103	73	115	68	108	57	87	70.6	106.4
No Apparent Injury	378	749	468	938	498	1,012	445	866	498	912	457.4	895.4
Totals	601	1,064	642	1,180	688	1,276	609	1,096	654	1,118	638.8	1,146.8

FIGURE 16: FATALITIES AND INCAPACITATING INJURIES BY ROLE, POLK COUNTY, 2012-2016

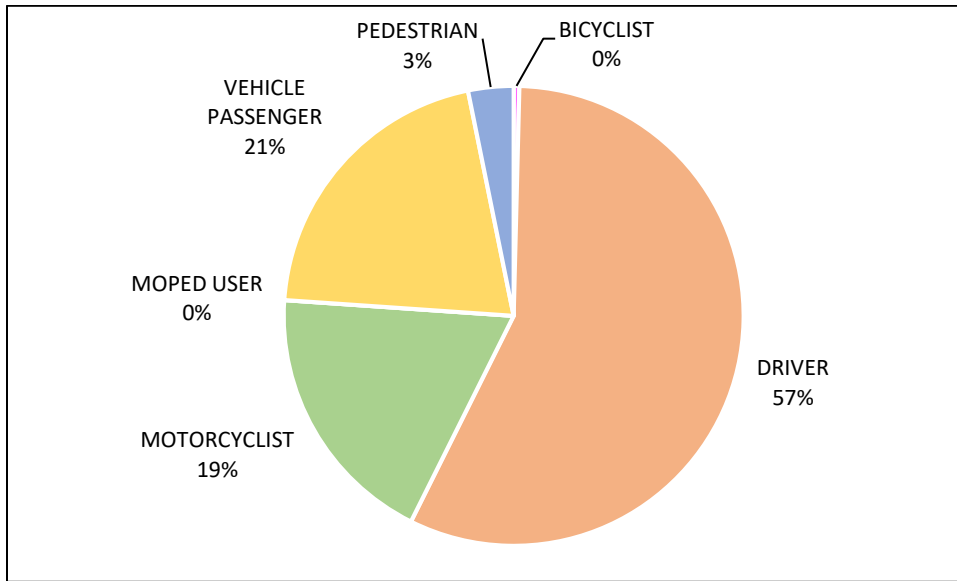


FIGURE 17: FATALITIES AND INCAPACITATING INJURIES BY ROLE, WISCONSIN, 2012-2016

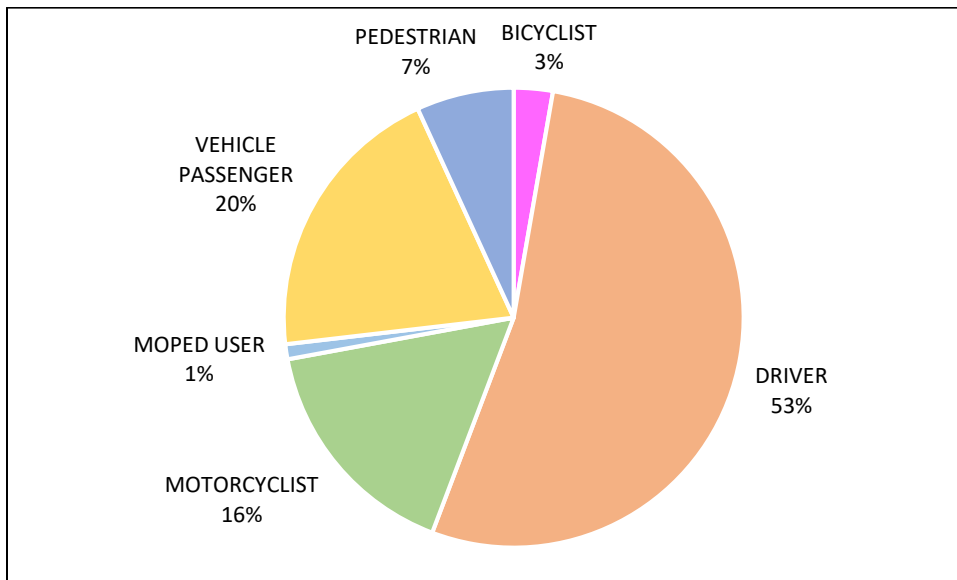


FIGURE 18: FATAL AND INCAPACITATING INJURIES BY AGE IN POLK COUNTY, 2012-2016

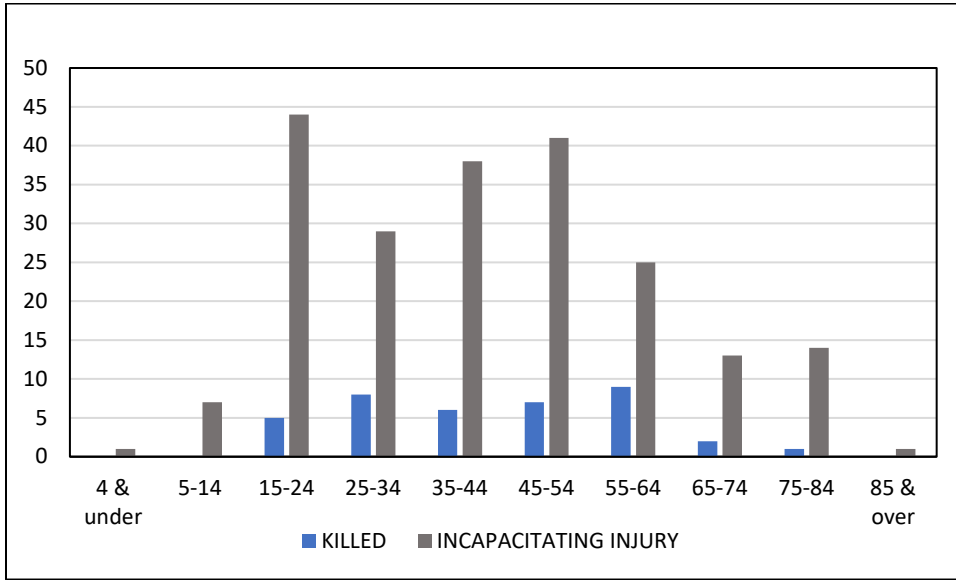


FIGURE 19: FATAL AND INCAPACITATING INJURIES BY AGE IN WISCONSIN, 2012-2016

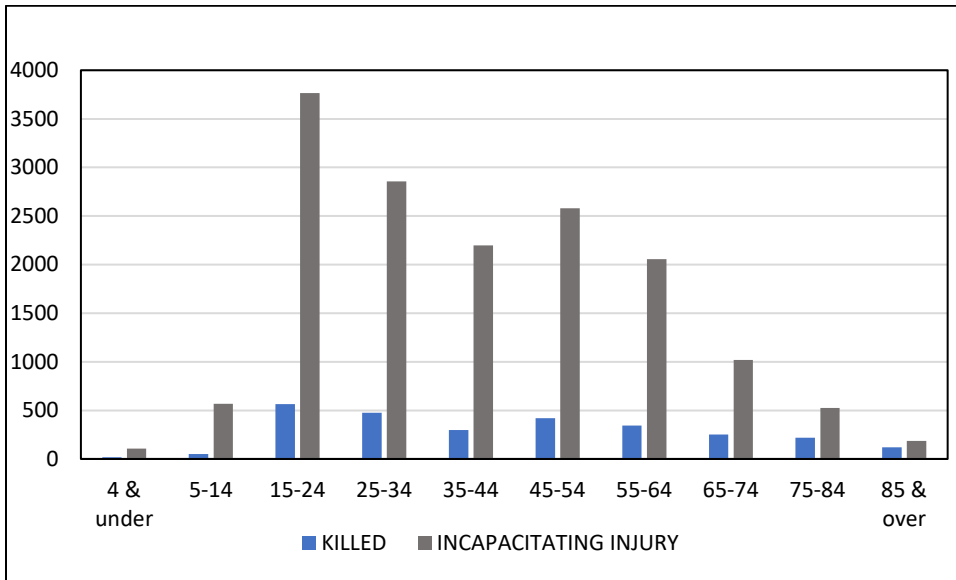
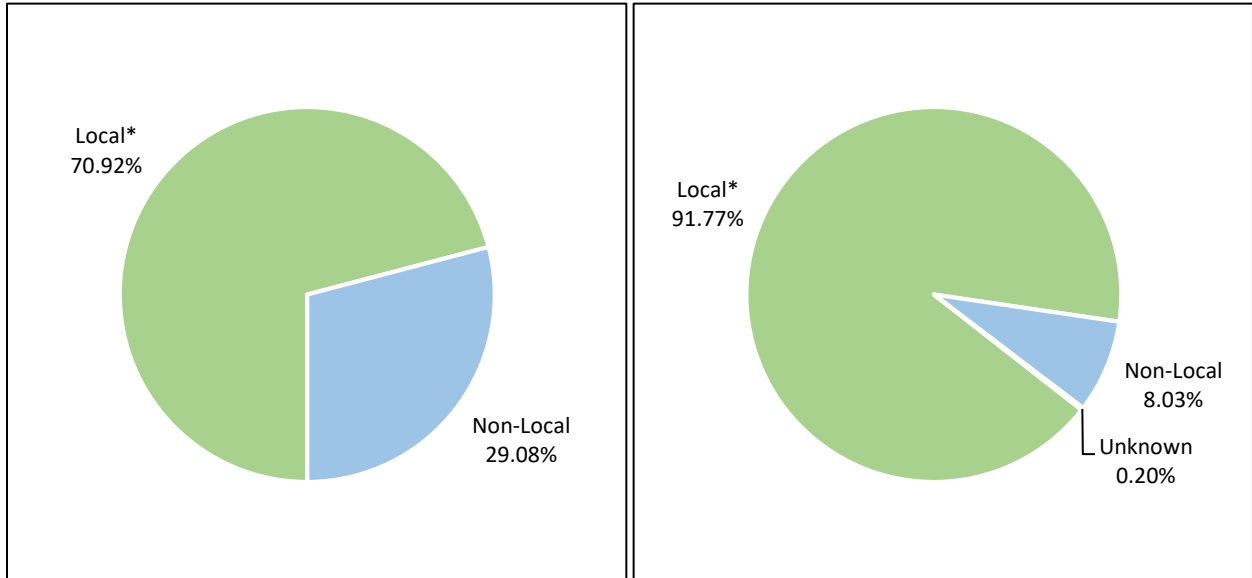


FIGURE 20: TOTAL FATALITIES AND INCAPACITATING INJURIES BY PLACE OF RESIDENCE (POLK COUNTY ON LEFT AND STATE OF WISCONSIN ON RIGHT), 2012-2016



*Local is defined as persons with addresses that have ZIP codes fully or partially within the county.

FIGURE 21: FATALITIES AND INCAPACITATING INJURIES BY STATE OF RESIDENCE (POLK COUNTY ON LEFT AND STATE OF WISCONSIN ON RIGHT), 2012-2016

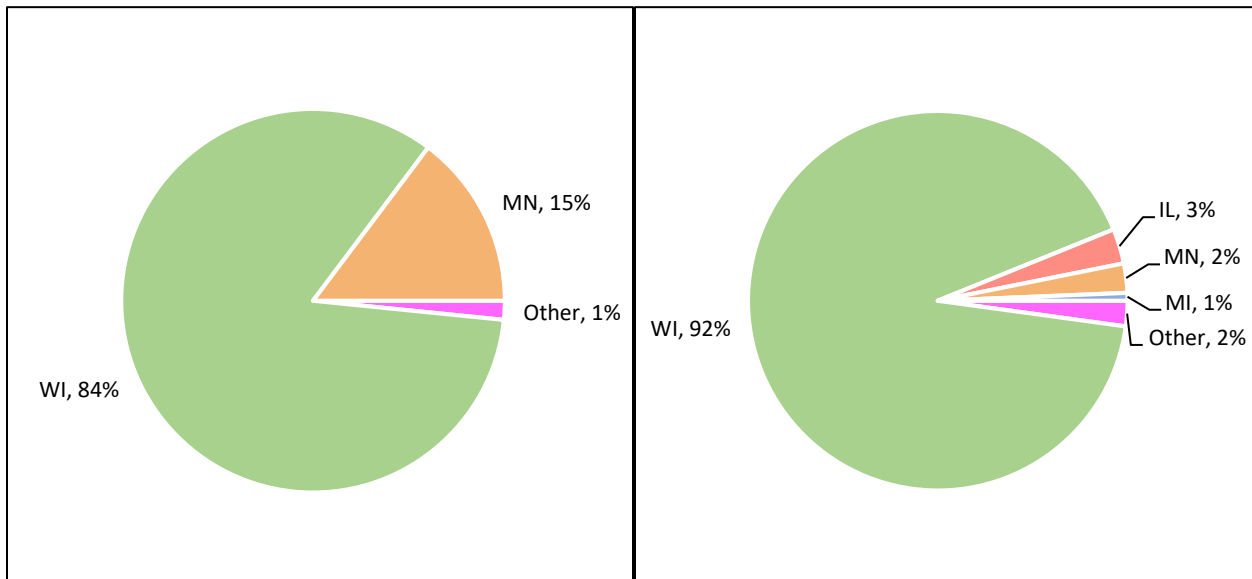


FIGURE 22: LOCATION OF CRASHES BY ROAD TYPE IN POLK COUNTY, 2012-2016

	Total Fatal Crashes	Total Non-Fatal Injury Crashes
US/State Highways	57.1%	44.8%
County Highways	17.1%	23.7%
Local Roads	25.7%	31.4%

FIGURE 23: REPORTING OF FATAL AND SERIOUS INJURY CRASHES BY AGENCY, 2012-2016

LEA	TOTAL
AMERY POLICE DEPARTMENT	6
BALSAM LAKE POLICE DEPARTMENT	1
CENTURIA POLICE DEPARTMENT	1
DRESSER POLICE DEPARTMENT	1
FREDERIC POLICE DEPARTMENT	1
MILLTOWN POLICE DEPARTMENT	1
OSCEOLA POLICE DEPARTMENT	1
POLK COUNTY SHERIFF	175
ST CROIX FALLS POLICE DEPARTMENT	5
WISCONSIN STATE PATROL	8
TOTAL	200

ISSUE AREA: IMPROVE SAFETY CULTURE, SAFETY DATA, AND DATA TECHNOLOGY

Because this information is difficult to quantify and visualize, we recommend that readers view the most recent edition of the Wisconsin Strategic Highway Safety Plan at the following location: <http://wisconsin.gov/Documents/safety/education/frms-pubs/strategichwy-17-20.pdf>

ISSUE AREA: REDUCE DRIVER DISTRACTION/IMPROVE DRIVER ALERTNESS

FIGURE 24: INATTENTION-RELATED STATISTICS, 2012-2016

Average Inattention-Related Fatal Crashes	Average Inattention-Related Non-Fatal Injury Crashes
1.4	45.0

	Inattention-Related Fatal Crashes	Inattention-Related Non-Fatal Injury Crashes
US/State Highways	85.7%	52.0%
County Highways	14.3%	18.7%
Local Roads	0.0%	29.3%

Polk County	% of inattention-related fatal crashes to all fatal crashes	20.0%
Wisconsin	% of inattention-related fatal crashes to all fatal crashes	18.5%

ISSUE AREA: REDUCE ALCOHOL & DRUG-IMPAIRED DRIVING

FIGURE 25: ALCOHOL OR DRUG-RELATED CRASHES BY LOCATION, 2012-2016

	Alcohol or Drug-Related Fatal Crashes	Alcohol or Drug-Related Non-Fatal Injury Crashes
US/State Highways	35.7%	38.4%
County Highways	28.6%	20.0%
Local Roads	35.7%	41.6%

FIGURE 26: IMPAIRED DRIVING STATISTICS IN POLK COUNTY, 2012-2016

Average Total Fatal Crashes	Average Alcohol or Drug-Related Fatal Crashes	Average Alcohol or Drug-Related Non-Fatal Injury Crashes
7.0	2.8	25.0

Polk County	% of alcohol or drug-related fatal crashes to all fatal crashes	40.0%
Wisconsin	% of alcohol or drug-related fatal crashes to all fatal crashes	45.0%

ISSUE AREA: REDUCE THE INCIDENCE AND SEVERITY OF MOTORCYCLE CRASHES

FIGURE 27: POLK COUNTY MOTORCYCLISTS KILLED OR SERIOUSLY INJURED, 2012-2016

	% Killed	% Seriously Injured	5-Yr Ave. Killed	5-Yr Ave. Seriously Injured
County	10.5%	20.2%	0.8	8.6
State	15.3%	16.5%	84.8	525.6

POLK COUNTY MOTORCYCLISTS KILLED OR INJURED BY INJURY SEVERITY AND EQUIPMENT USAGE, 2012-2016 AVERAGE

INJURY SEVERITY	HELMET WORN	EYE PROTECTION	NONE	UNK/OTHER	TOTAL
NOT INJURED	0.8	1.2	0.6	0.2	2.8
INCAPACITATING	3.2	4	1.4	0	8.6
NONINCAPACITATING	3.2	1	0.8	0	5
POSSIBLE	1.2	1.2	0.2	0.2	2.8
KILLED	0	0.4	0.4	0	0.8
TOTAL	8.4	7.8	3.4	0.4	20

ISSUE AREA: IMPROVE NON-MOTORIST SAFETY

FIGURE 28: POLK COUNTY PEDESTRIANS KILLED OR SERIOUSLY INJURED, 2012-2016

	% Killed	% Seriously Injured	5-Yr Ave. Killed	5-Yr Ave. Seriously Injured
County	7.9%	2.3%	0.6	1.0
State	8.1%	6.6%	44.8	211.2

FIGURE 28.2: PEDESTRIANS INVOLVED IN CRASHES BY ACTION AND LOCATION, 2012-2016

PEDESTRIAN ACTION	PEDESTRIAN LOCATION				TOTAL
	BLANK	IN CROSSWALK	IN ROADWAY	NOT IN ROADWAY	
BLANK	0	1	4	1	6
WALKING NOT FACING TRAFFIC	1	0	1	2	4
DARTING INTO ROAD	0	0	4	0	4
DARK CLOTHING	0	0	2	0	2
WALKING FACING TRAFFIC	0	0	1	0	1
TOTAL	1	1	12	3	17

FIGURE 29: POLK COUNTY BICYCLISTS KILLED OR SERIOUSLY INJURED, 2012-2016

	% Killed	% Seriously Injured	5-Yr Ave Killed	5-Yr Ave Seriously Injured
County	0.0%	0.5%	0.0	0.2
State	1.8%	2.9%	10.2	92.4

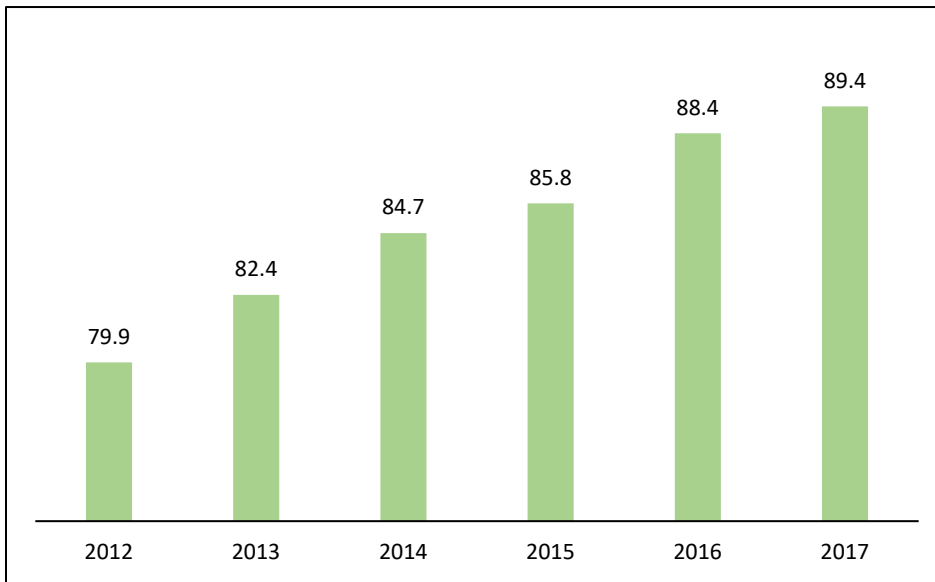
ISSUE AREA: IMPROVE SAFETY OF INTERSECTIONS

FIGURE 30: POLK COUNTY TOTAL CRASHES BY LOCATION, 2012-2016

	County	State
% Intersection	29.3%	37.8%
% Non-Intersection	70.7%	62.8%

ISSUE AREA: INCREASE OCCUPANT PROTECTION

FIGURE 31: SEATBELT USE STATEWIDE, 2012-2017



Seatbelt usage statewide has increased over the past six years.

FIGURE 31.2: SAFETY EQUIPMENT USAGE IN PASSENGER CAR AND LIGHT TRUCKS DURING CRASHES, 2012-2016

	Belted	Unbelted
Fatalities and Serious Injuries	67.2%	32.8%

ISSUE AREA: CURB AGGRESSIVE DRIVING/REDUCE SPEED-RELATED CRASHES

FIGURE 32: DRIVER POSSIBLE CONTRIBUTING CIRCUMSTANCES FOR CRASHES IN POLK COUNTY (TOP) AND STATEWIDE (BOTTOM), 2012-2016

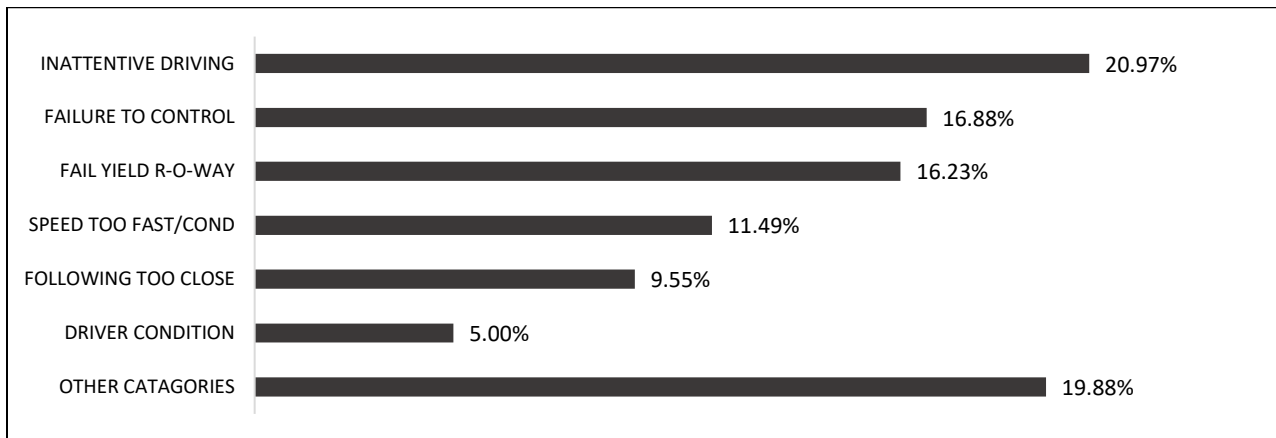
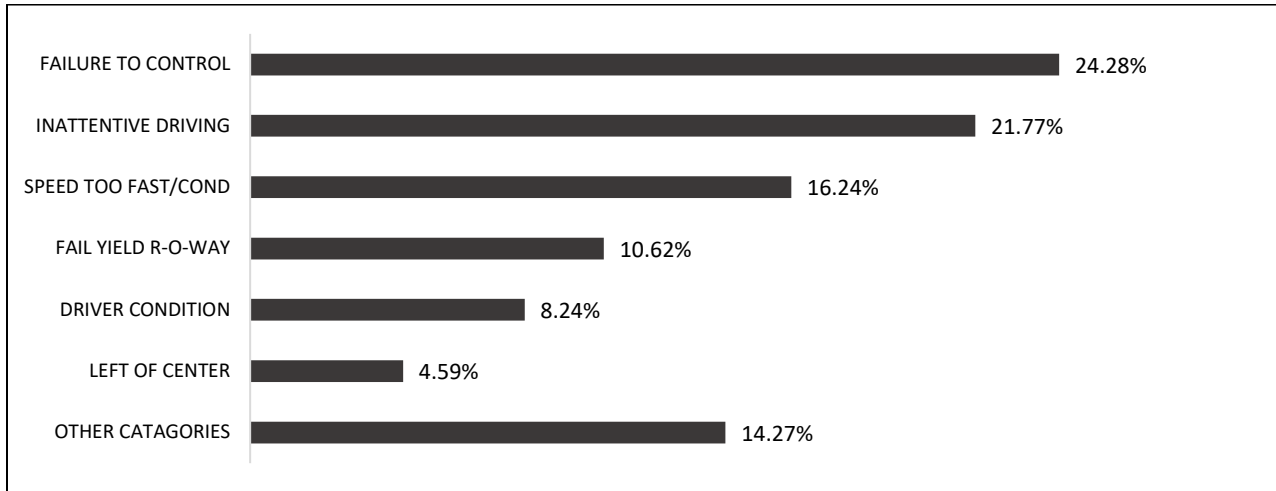


FIGURE 33: SPEEDING STATISTICS IN POLK COUNTY, 2012-2016

Average Speed-Related Fatal Crashes	Average Speed-Related Non-Fatal Injury Crashes
2.4	56.2

	Total Fatal Crashes	Total Non-Fatal Injury Crashes	Speed-Related Fatal Crashes	Speed-Related Non-Fatal Injury Crashes
US/State Highways	57.1%	44.8%	41.7%	33.5%
County Highways	17.1%	23.7%	8.3%	27.8%
Local Roads	25.7%	31.4%	50.0%	38.8%

Polk County	% of speed-related fatal crashes to all fatal crashes	34.3%
Wisconsin	% of speed-related fatal crashes to all fatal crashes	28.9%

ISSUE AREA: REDUCE LANE DEPARTURE CRASHES

FIGURE 34: POLK COUNTY RUN-OFF-THE-ROAD CRASHES, 2012-2016

	5 Year Average of Run-Off-the-Road Crashes	% of Run-Off-the-Road Crashes to Total Crashes
County	258.0	40.4%
State	30,395.6	25.4%

THE IMPACT

The number of persons involved in crashes is low, comparatively. The number of lost years of life due to crashes is high.

2011-2015 ANNUAL AVERAGES

	Polk County	Wisconsin
Average Annual Population	44,027	5,716,883
Persons in Crashes (per 1,000 residents)	26.6	46.0
Crash-Related Emergency Room Visits (per 100,000 residents)	333.3	407.3
Crash-Related Hospitalizations (per 100,000 residents)	29.5*	49.3
Quality of Life Costs (per 100,000 residents)	\$47,887,356	\$36,819,900
Lost Years of Life (per 1,000 residents)	5.10	3.04
Medical Costs (per 100,000 residents)	\$11,043,904	\$10,482,526

17,18

¹⁷University of Wisconsin-Madison, Center for Health Systems Research & Analysis. Wisconsin Crash Outcome Data Evaluation System Project. "Wisconsin CODES Report Builder Custom Reporting System," <http://www.chsra.wisc.edu/codes/query/overview.html> Accessed Oct. 2, 2017.

¹⁸University of Wisconsin-Madison, Center for Health Systems Research & Analysis. Wisconsin Crash Outcome Data Evaluation System Project. "Community Crash Reports," <http://www.chsra.wisc.edu/codes/community/default.htm> Accessed Oct. 3, 2017.

THE GRANTS

The Bureau of Transportation Safety targets counties throughout the state based on crash frequency and severity, considering their size, location, and contributing behavioral factors as indicated on crash forms received from local law enforcement agencies. Overtime enforcement grants are offered to the law enforcement agencies of a county to form a high-visibility enforcement task force that will coordinate efforts with each other and locals to change the driving behavior in their county. If a county makes the targeting list for an enforcement grant to address a behavioral highway safety issue, all law enforcement agencies within the county are eligible to participate on a task force to address the problem. National priority issue areas include impaired driving, seat belt use, speeding, and distracted driving.

2016 Task Forces

	Grant Amount
Polk County OWI Task Force	\$67,250.64

2016 Grant Participation

	Impaired Driving	Occupant Protection	Speed
Polk County Sheriff's Dept.	Polk Co. OWI Task Force		
Amery Police Dept.	Polk Co. OWI Task Force		
Balsam Lake Police Dept.			
Centuria Police Dept.			
Clayton Police Dept.	Polk Co. OWI Task Force		
Clear Lake Police Dept.	Polk Co. OWI Task Force	\$2,520	
Dresser Police Dept.			
Frederic Police Dept.			
Luck Police Dept.	Polk Co. OWI Task Force		
Milltown Police Dept.			
Osceola Police Dept.	Polk Co. OWI Task Force	\$7,641.60	\$15,124.12
St. Croix Falls Police Dept.	Polk Co. OWI Task Force	\$10,193.92	\$14,799.68
Turtle Lake Police Dept.	Barron Co. OWI Task Force	Barron Co. Seat Belt Task Force	

Osceola Police Department and St. Croix Falls Police Department participated on the Polk County Speed Enforcement Task Force.

2017 Task Forces

	Grant Amount
Polk County OWI Task Force	\$24,996.40
Polk County Summer Speed Task Force	\$46,238.40

2017 Task Force Participation

	Impaired Driving	Occupant Protection	Speed
Polk County Sheriff's Dept.	Polk County OWI Task Force		Polk County Summer Speed Task Force
Amery Police Dept.	Polk County OWI Task Force		Polk County Summer Speed Task Force
Balsam Lake Police Dept.	Polk County OWI Task Force		
Centuria Police Dept.			
Clayton Police Dept.			
Clear Lake Police Dept.			Polk County Summer Speed Task Force
Dresser Police Dept.			
Frederic Police Dept.			
Luck Police Dept.			
Milltown Police Dept.			
Osceola Police Dept.	Polk County OWI Task Force		Polk County Summer Speed Task Force
St. Croix Falls Police Dept.			Polk County Summer Speed Task Force
Turtle Lake Police Dept.			

2018 Task Force Eligibility

	Impaired Driving	Occupant Protection	Speed
Polk County Law Enforcement Agencies	eligible	not eligible	eligible

Agency Mobilizations 2016-2017

	FY2016 Drive Sober or Get Pulled Over- Winter Holidays	2016 Click It or Ticket	2016 Drive Sober or Get Pulled Over – Labor Day	FY2017 Drive Sober or Get Pulled Over- Winter Holidays	2017 Click It or Ticket	2017 Drive Sober or Get Pulled Over – Labor Day
Polk County Sheriff's Dept.						
Amery Police Dept.		yes				
Balsam Lake Police Dept.						
Centuria Police Dept.						
Clayton Police Dept.						
Clear Lake Police Dept.	yes	yes				
Dresser Police Dept.						
Frederic Police Dept.						
Luck Police Dept.						
Milltown Police Dept.						
Osceola Police Dept.		yes				
St. Croix Falls Police Dept.						
Turtle Lake Police Dept.	yes	yes		yes		

The Wisconsin State Patrol participates in all three mobilizations each year. Law enforcement agencies should participate for the chance to receive an equipment grant for ongoing high-visibility enforcement.