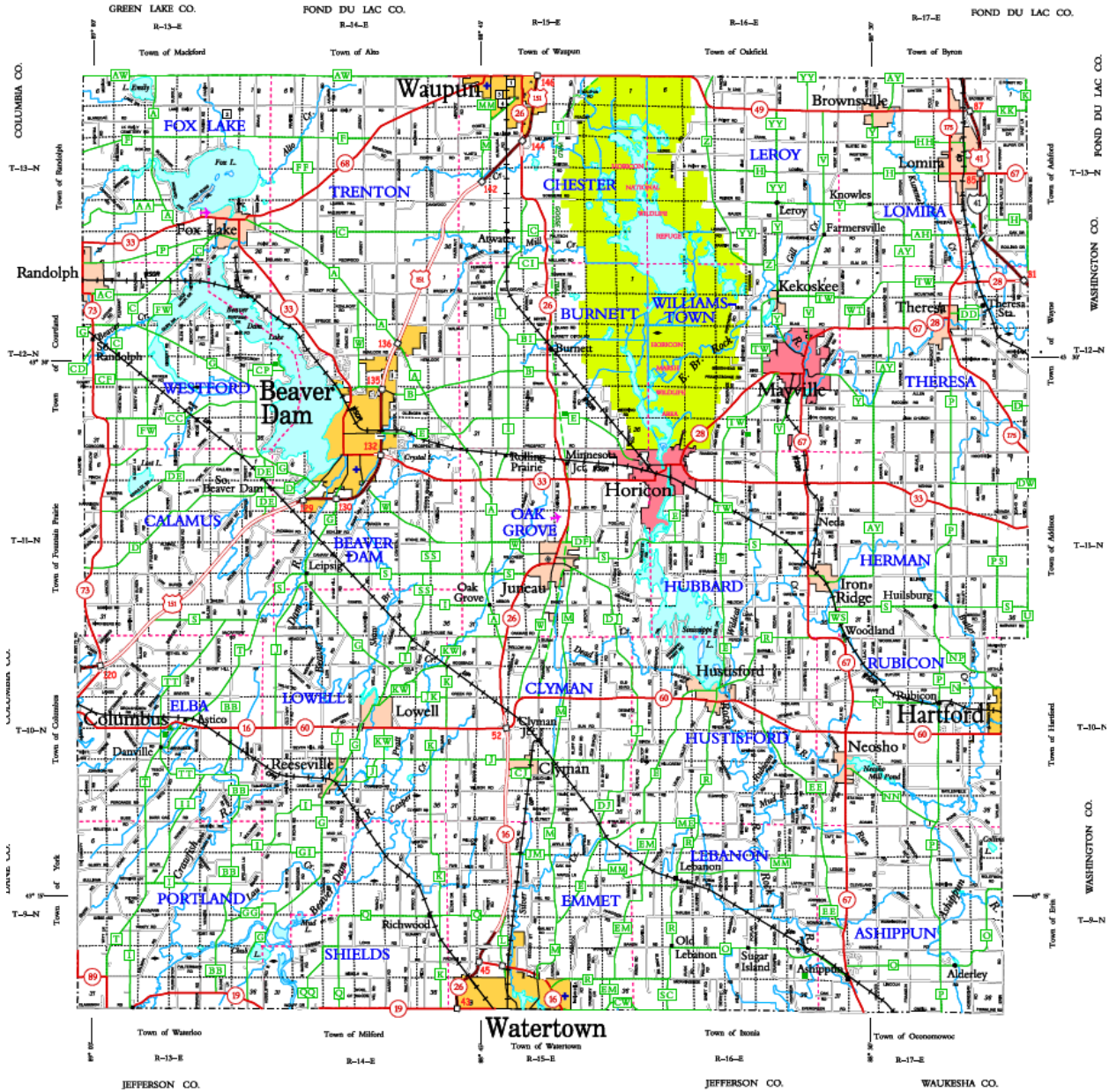


Anatomy of Traffic Safety – Dodge County

Bureau of Transportation Safety



Revised: 12/9/16

Characteristics of the County and the Road Network

Dodge County is a geographically large county – it is significantly rural, but a little over half of the population lives in urban areas. Although the county is not located within any metropolitan statistical area, it is adjacent to the Milwaukee metropolitan area and is considered part of the broader Milwaukee-Racine-Waukesha Combined Statistical Area and has significant ties to the region. Some significant natural features in Dodge County include the Horicon National Wildlife Refuge as well as the Beaver Dam Lake, Fox Lake, and Sinissippi Lake.

US Highway (USH) 151 carries traffic between the Madison and Fond du Lac metropolitan areas, and runs through the northwest portion of the county, passing through Columbus, Beaver Dam and Waupun.

State Trunk Highway (STH) 26 carries traffic between Janesville and Oshkosh, and runs south to north through the county, passing through Watertown, Clyman, Juneau and Waupun. STH 60 carries traffic between Ozaukee and Columbia Counties, and runs east to west through the southern part of the county, passing through or bypassing Hartford, Hustisford, Lowell and Columbus. STH 16 carries traffic between Oconomowoc and Wisconsin Dells and it runs concurrent with STH 60 in the west of the county before dipping south to bypass Clyman and enter Watertown.

STH 33 carries traffic between Washington and Columbia Counties, and runs east to west through the northern part of the county, passing through or bypassing Horicon, Beaver Dam, Fox Lake and Randolph. STH 67 carries traffic between Waukesha and Fond du Lac Counties, running south to north and bypassing or passing through Neosho, Iron Ridge, Mayville, Theresa and Lomira. Other highways with a presence in Dodge County are USH 41, STH 28, STH 49, STH 73, STH 68, STH 89 and STH 19.

There are 2,066 miles of roadway in the county, including 238 (11.5%) miles of state roads, 541 (26.2%) miles of county roads, 1,277 (61.8%) miles of local roads, and ten miles of another type.

In 2015, there were 35,137, 6,956 cycles, 9,762 trailers, and 49,988 trucks registered in Dodge County. Vehicle miles traveled (VMT) in 2015 was 966,724,035.

Municipalities

There are four cities in Dodge County with populations exceeding 5,000 residents: these are the Cities of Beaver Dam and Mayville, as well as the portions of the Cities of Waupun and Watertown located within the county. Other cities within the county are Horicon, Juneau and Fox Lake. Together, Dodge County cities account for 52% of its population. Villages in Dodge County include Randolph, Theresa, Lomira, Hustisford, Iron Ridge, Reeseville, Brownsville, Neosho, Clyman, Lowell and Kekoskee. When accounting for all incorporated municipalities in Dodge County, cities and villages account for 62% of the county's population.

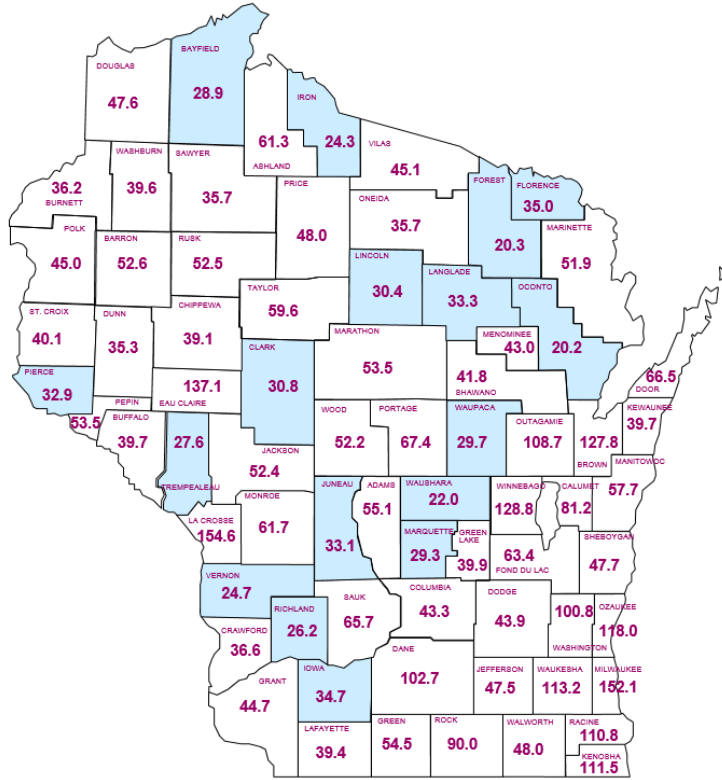
The following table¹ includes 2015 population estimates for the municipalities within the county. For municipalities in multiple counties, the table only includes the population that resides in the county.

Place Name	Final Estimate 2015
C Beaver Dam	16,693
C Watertown	8,450
C Waupun	8,037
C Mayville	5,085
T Beaver Dam	4,020
C Horicon	3,726
C Juneau	2,726
T Ashippun	2,586
T Fox Lake	2,463
V Lomira	2,440
T Rubicon	2,241
T Hubbard	1,781
T Lebanon	1,667
C Fox Lake	1,509
T Hustisford	1,390
V Randolph	1,336
T Emmet	1,308
T Trenton	1,307
V Theresa	1,256
T Westford	1,234
T Lowell	1,202
T Lomira	1,153
T Herman	1,129
V Hustisford	1,122
T Portland	1,088
T Theresa	1,087
T Oak Grove	1,077
T Calamus	1,050
T Elba	999
T Leroy	996
V Iron Ridge	937
T Burnett	908
T Clyman	780
T Williamstown	766
V Reeseville	710
T Chester	695
V Brownsville	589
V Neosho	572
T Shields	563
V Clyman	421
V Lowell	337
V Kekoskee	159
C Columbus	0
C Hartford	0
<u>County Population</u>	<u>89,595</u>

¹ Source: Wisconsin Demographic Services Center

Emergency Medical Services

**MAP 07-02
2013-2015 3-Year Average
Injury-to-Death Ratios**



Shaded Counties averaged at least 1 death per every 35 injuries over the past 3 years

State Average Injury to Death Ratio
2016 = 75.9
2013-2015 = 76.7

Source: WisDOT Crash Database

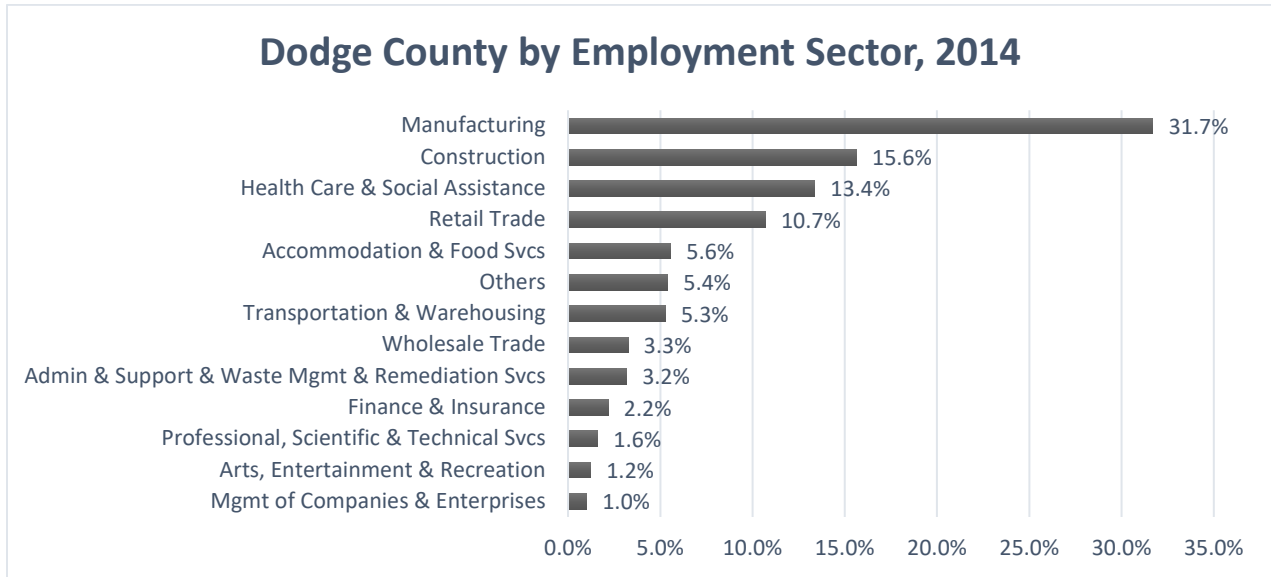
Dodge County has two level IV trauma centers and one unclassified trauma center in county lines. The level IV trauma centers are the Watertown Regional Medical Center and the Waupun Memorial Hospital, and the unclassified trauma center is the Beaver Dam Community Hospital. The nearest level I or II Trauma Center in the State of Wisconsin is the Aurora Medical Center in Summit, located 41 miles southeast of Juneau – the county seat. The Aurora Medical Center is a Level II trauma facility. The relative proximity of Dodge County residents to a level II trauma center within a 42 minute window increases the likelihood of the best possible outcomes from severe traffic accidents.

As of 2015, there were 328 emergency medical technicians (EMTs) in Dodge County operating out of 18 different EMS providers. The largest of these organizations are the Beaver Dam Fire Department, the Lebanon Fire Department – EMS and the Mayville Emergency Medical Service.

Emergency Service Provider	Number of EMTs
BEAVER DAM FIRE DEPARTMENT	47
BROWNSVILLE FIRE COMPANY FIRST RESPONDERS	16
BURNETT FIRST RESPONDERS	12
CLYMAN FIRST RESPONDERS	16
FOX LAKE FIRE DEPARTMENT	18
HORICON EMERGENCY MEDICAL SERVICES	16
HUSTISFORD FIRST RESPONDERS	20
IRON RIDGE FIRST RESPONDERS	12
JOHN DEERE SECURITY FIRST RESPONDERS	5
JUNEAU EMERGENCY MEDICAL SERVICE	20
KEKOSKEE FIRST RESPONDERS	6
LEBANON FIRE DEPARTMENT - EMS	45
LOMIRA FIRE DEPARTMENT FIRST RESPONDERS	14
LOWELL-REESEVILLE FIRST RESPONDERS	9
MAYVILLE EMERGENCY MEDICAL SERVICE	33
Mayville Emergency Medical Service TEMS	6
NEOSHO FIRST RESPONDERS	11
THERESA AMBULANCE SERVICE	22
TOTAL	328

There are 3.66 EMTs per 1,000 persons in the county, compared to 3.85 EMTs per 1,000 persons statewide.

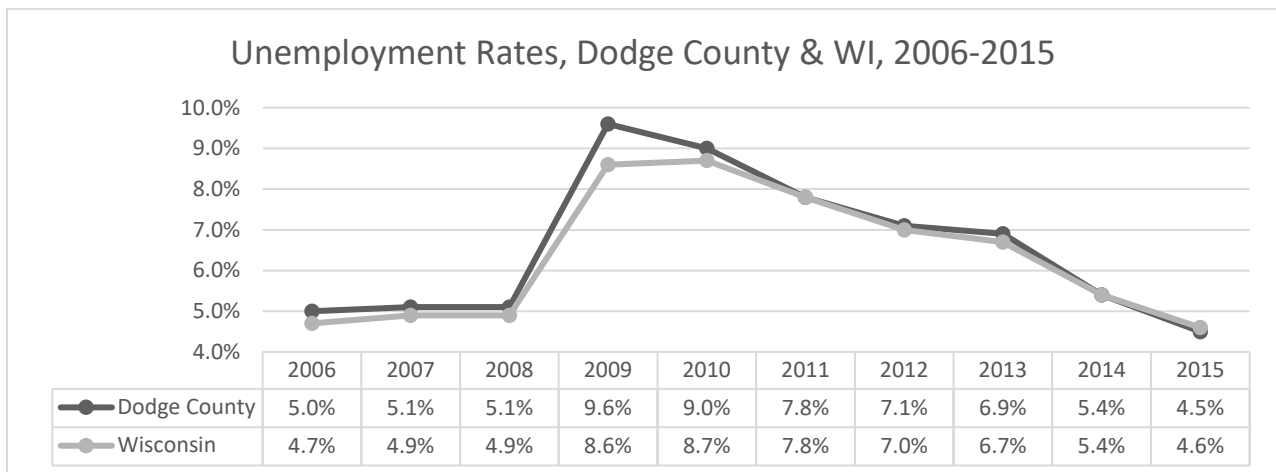
Economic Profile



2

Large employers in the area include the Beaver Dam Community Hospital, Dodge County Administration and Clearview Long Term Care in Juneau, the Dodge Correctional Institution in Waupun, the Corrections Division and Karavan Trailers in Fox Lake, Gleason Reel corporation in Iron Ridge, the Regional Medical Center and the UW Hospital Drive Clinic in Watertown, Metalcraft of Mayville Inc. and the Mayville Engineering company Inc., Michels Corporation in Brownsville, and Quad/Graphics Inc. in Lomira.³

The county's unemployment rate has remained relatively concurrent with the state as a whole. On average, Dodge County's unemployment rate has been 0.2% higher than that of Wisconsin over the past decade.⁴



² County Business Patterns, 2014

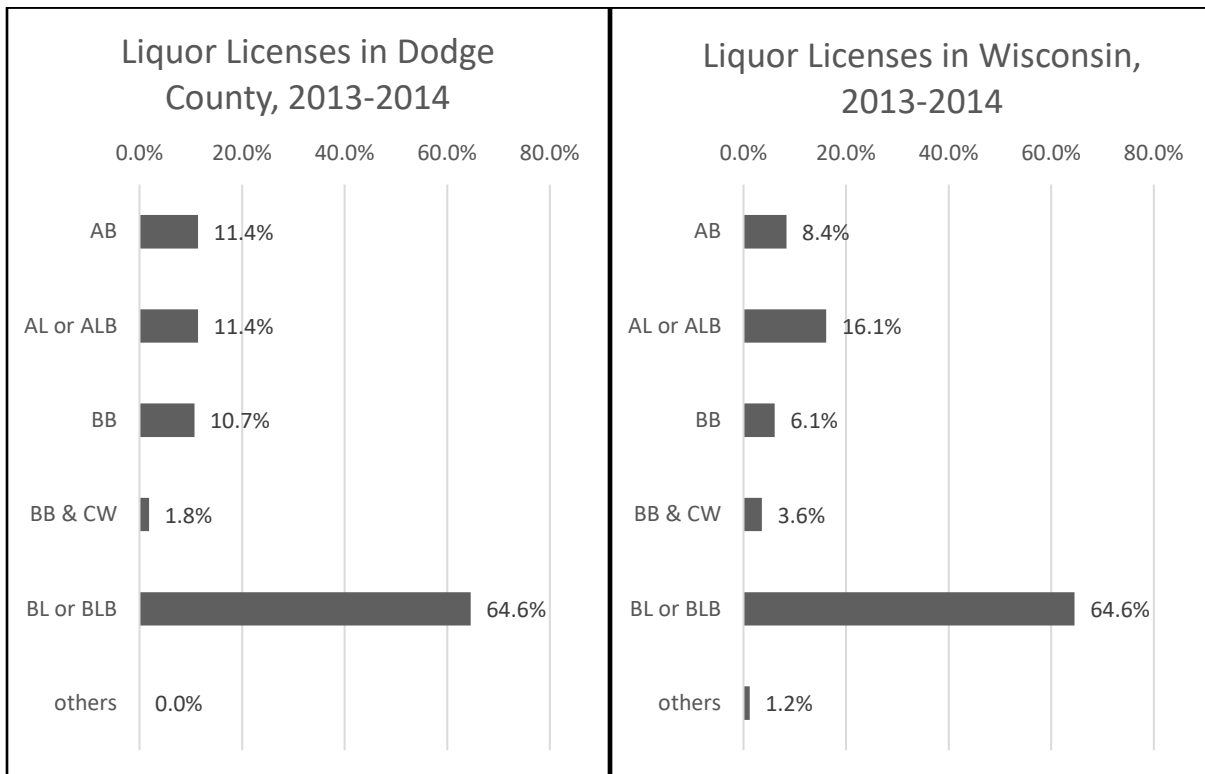
³ Major Employers. Worknet Wisconsin. Wisconsin Department of Workforce Development

⁴ Unemployment rates, not seasonally adjusted. Bureau of Labor Statistics.

Workers who Reside in Dodge County Work in:		People who Work in Dodge County Reside in:	
Dodge County	23,928	Dodge County	23,928
Washington County	3,971	Fond du Lac County	4,465
Jefferson County	3,711	Jefferson County	1,810
Waukesha County	3,092	Columbia County	1,079
Dane County	2,196	Washington County	1,047
Fond du Lac County	1,957	Dane County	583
Milwaukee County	1,211	Waukesha County	516
Columbia County	1,184	Green Lake County	473
Winnebago County	229	Milwaukee County	376
Ozaukee County	169	Winnebago County	288
Green Lake County	94	Sheboygan County	131
Sauk County	77	Ozaukee County	109
Others	475	Others	931

5

Dodge County shares a large amount of its workforce with its neighbors – Fond du Lac, Washington, Jefferson, Columbia, Dane & Waukesha Counties. The bulk of this traffic should travel on USH 151 and STHs 26, 60, 33 and 49.



⁵ Source: American FactFinder, Geography Area Series: County Business Patterns 2013 Business Patterns - <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>

In 2013-2014, there were 271 licensed liquor establishments in the county. The following is a table of license type by municipality. Establishments within a municipality but outside the county are not included in the table.

	Class A beer (off-sale)	Class A liquor or Class A beer/Class A liquor (off-sale)	Class B beer only (on/off sales)	Class B beer (on/off sales) and Class C wine	Class B liquor or Class B beer and Class B liquor	others	Total (By Municipalities)
	AB	AL or ALB	BB	BB & CW	BL or BLB	others	
Beaver Dam	13	4	1	3	29		50
Brownsville	1	1	1		3		6
Clyman					2		2
Fox Lake	1	1	2		7		11
Horicon	2	1	2		7		12
Hustisford		3	2		5		10
Iron Ridge		1	2		3		6
Juneau	3	1	1		8		13
Kekoskee		1			2		3
Lomira	2	2			5		9
Lowell					2		2
Mayville	3	2	1	2	14		22
Neosho		1			2		3
Reeseville		1			3		4
Theresa		2			3		5
Watertown		3			10		13
Waupun	3				5		8
Towns	3	7	17		65		92
Total (By Liq. License)	31	31	29	5	175	0	271

Population Change

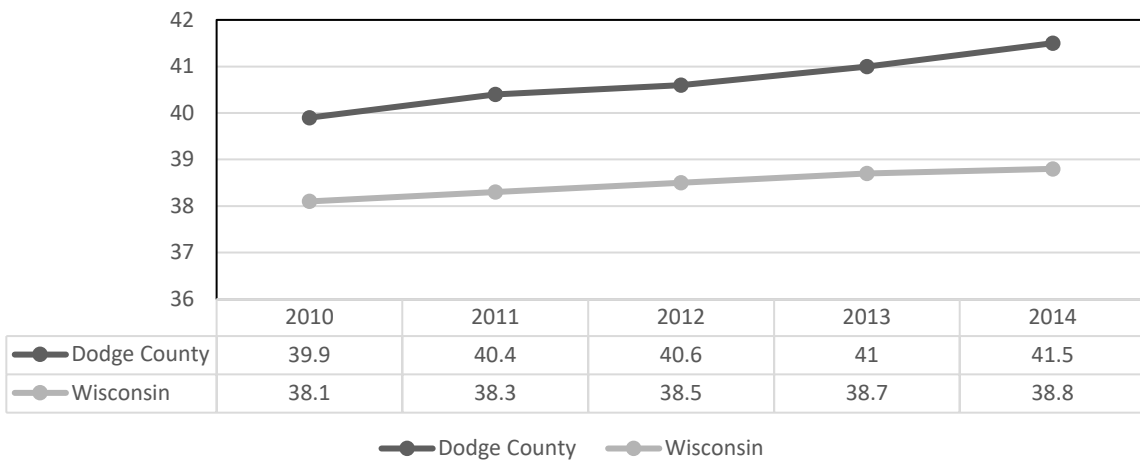
Between April 2010 and January 2015, the Wisconsin Demographic Services Center estimates that the county has experienced 4,080 births and 3,945 deaths. 701 more persons are estimated to have established residence in the county than have moved away from this county during this time period. Overall, Dodge County saw its population increase by 836 people, or 0.9% in this time period. This happens to be 0.3% less than the state of Wisconsin as a whole – Dodge County had a much lower natural increase than the state average, but it experienced a net positive migration rate, whereas Wisconsin as a whole experienced more emigration than migration into the state.

The American Community Survey projects that the median age of Dodge County is 41.5 years old as of 2014, which is noticeably higher than the statewide median age of 38.8 years old.⁶ The ACS also estimated in 2014 that 15.5% of Dodge County residents were ages 65 or greater, which is higher than the Wisconsin average of 14.2%.⁷ A relatively older population is more vulnerable to significant injuries in vehicle crashes at all speeds. This suggests that Dodge County's population is somewhat more vulnerable to dangerous traffic incidents than the State of Wisconsin as a whole.

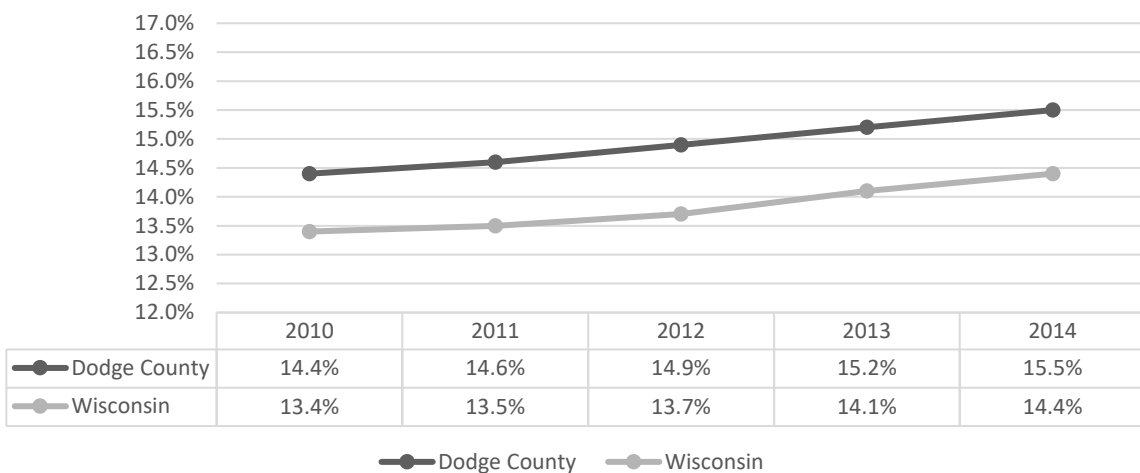
⁶ Age and Sex. U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates

⁷ American Community Survey 1 year estimates, years 2009-2014

Median Age, Dodge Cnty & WI, 2010-2014



% of Pop. over 65 yo, Dodge County & WI, 2010-2014



Financial Impacts of Crashes (2010-2014)

In this county during the years 2010-2014, there were on average \$95,514,564.60 in total costs, including estimated medical costs, estimated other costs, and estimated quality of life costs annually. An estimated 332.6 years of life were lost as a result of crashes annually. Crashes in which alcohol or drugs were a contributing factor resulted in \$21,592,668.60 in total costs and 135.2 years of life annually.⁸

⁸ University of Wisconsin-Madison, Center for Health Systems Research & Analysis, Wisconsin CODES Project: Wisconsin CODES Report Builder Custom Reporting System accessed on 10/20/2016

Crash Statistics

Crashes in Dodge County by Type, 2011-2015 Averages

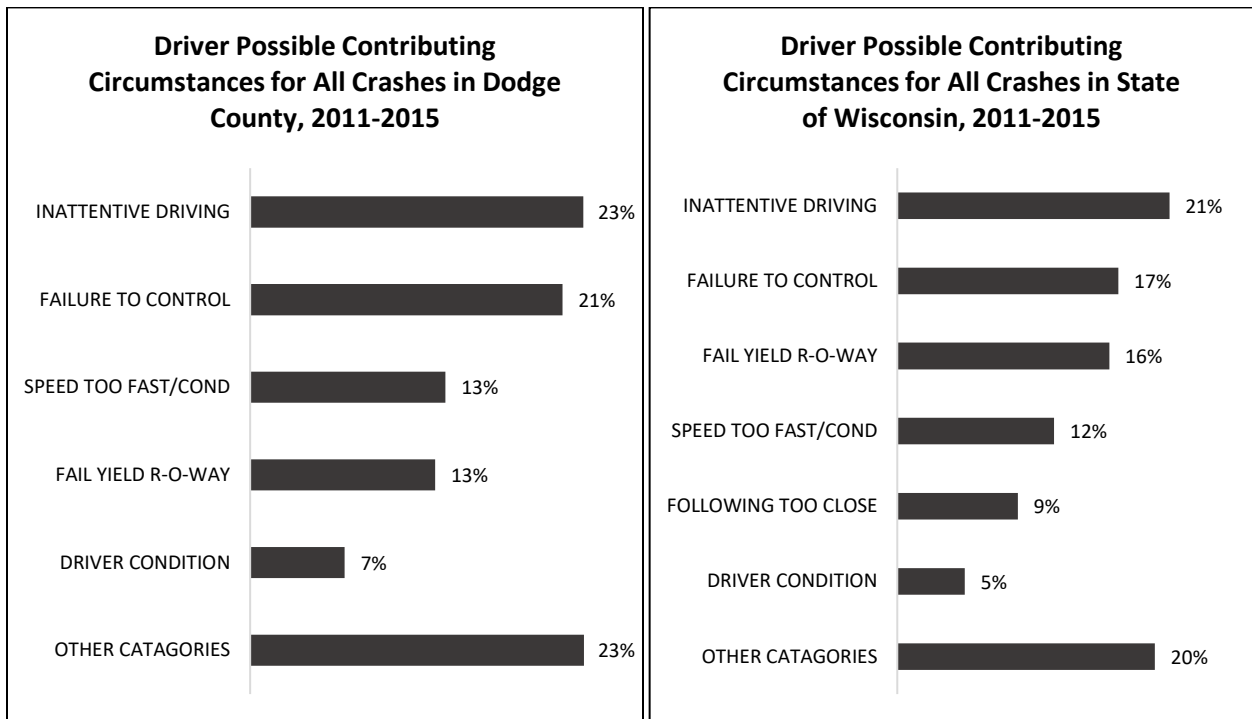
Average Total Fatal Crashes	Average Non-Fatal Injury Crashes	Average Alcohol or Drug-Related Fatal Crashes	Average Alcohol or Drug Related Non-Fatal Injury Crashes	Average Speed Related Fatal Crashes	Average Speed Related Non-Fatal Injury Crashes	Average Inattention-Related Fatal Crashes	Average Inattention-Related Non-Fatal Injury Crashes
10.6	364.4	4.4	44.2	2.2	92.8	2.8	111.4

Dodge County	% of crashes that were fatal	0.7%	% of alcohol or drug related fatal crashes to all fatal crashes	41.5%	% of speed related fatal crashes to all fatal crashes	20.8%	% of inattention related fatal crashes to all fatal crashes	26.4%
Wisconsin	% of crashes that were fatal	0.4%	% of alcohol or drug related fatal crashes to all fatal crashes	48.5%	% of speed related fatal crashes to all fatal crashes	28.2%	% of inattention related fatal crashes to all fatal crashes	18.1%

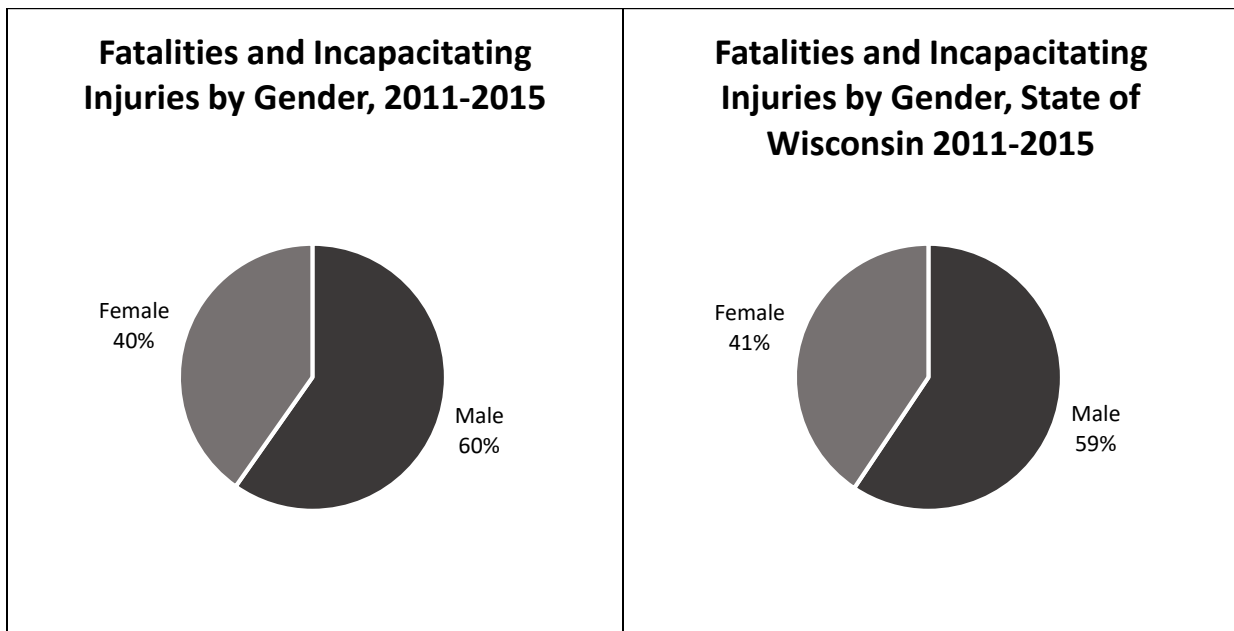
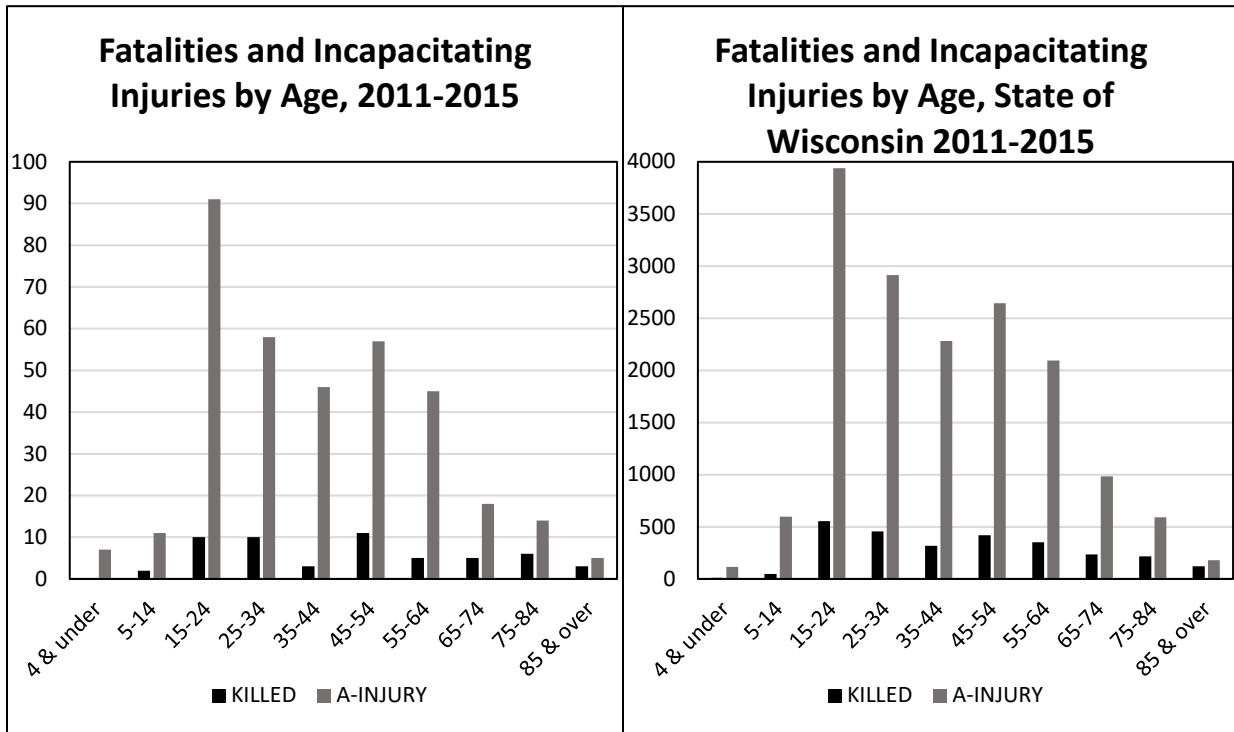
Location of Crashes in Dodge County by Road Type, 2011-2015

	Total Fatal Crashes	Total Non-Fatal Injury Crashes	Alcohol or Drug-Related Fatal Crashes	Alcohol or Drug Related Non-Fatal Injury Crashes	Speed Related Fatal Crashes	Speed Related Non-Fatal Injury Crashes	Inattention -Related Fatal Crashes	Inattention - Related Non-Fatal Injury Crashes
US/State Highways	52.8%	39.0%	45.5%	25.3%	27.3%	40.5%	71.4%	35.4%
County Highways	30.2%	25.0%	27.3%	34.4%	54.5%	29.3%	28.6%	25.9%
Local Roads	17.0%	35.9%	27.3%	40.3%	18.2%	30.2%	0.0%	38.8%

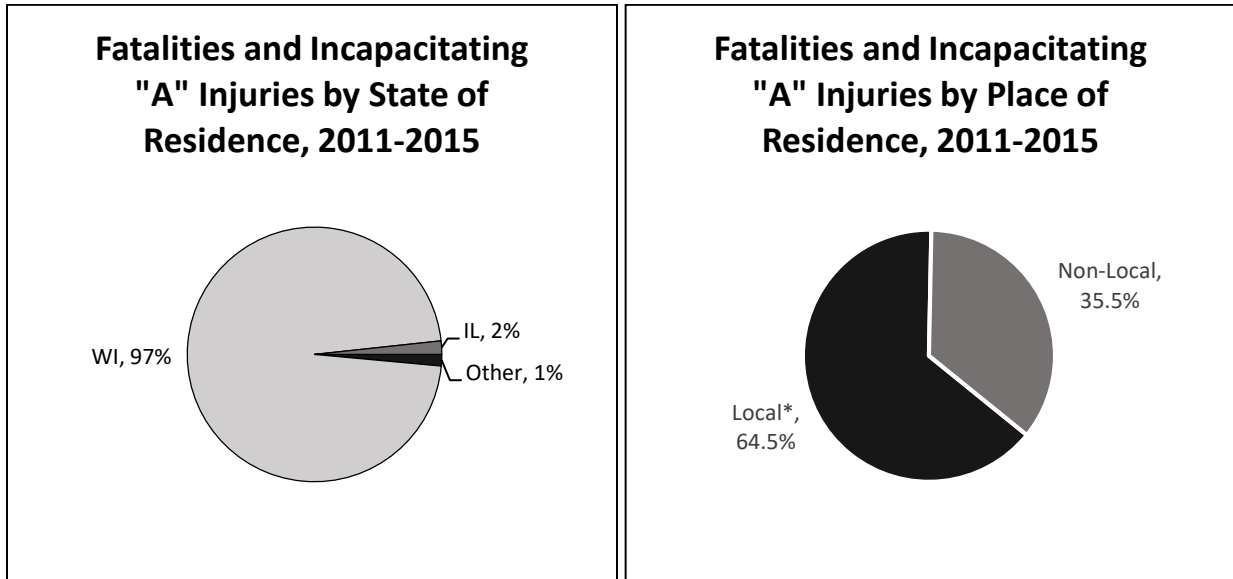
Driver Possible Contributing Circumstances for All Crashes in Dodge County, 2011-2015



Fatalities and Incapacitating "A" Injuries by Age and Gender



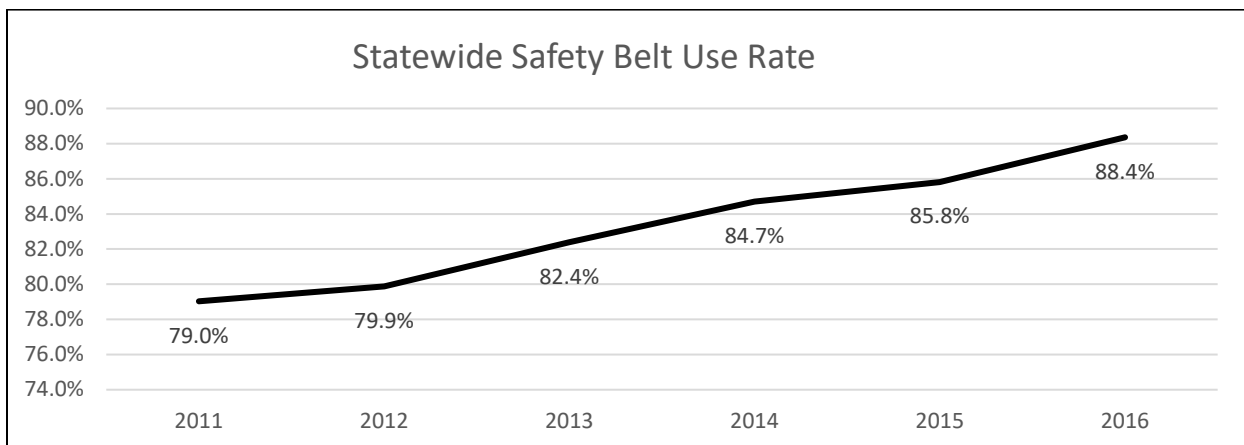
Fatalities and Incapacitating "A" Injuries by State and Place of Residence



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

Safety Equipment Usage in Passenger Cars and Light Trucks during Crashes, 2011-2015

	Belted	Unbelted
Fatalities and "A" Injuries	71.1%	28.9%



2014-2017 Grant Participation

2014			
	Alcohol	Occupant Protection	Speed
Dodge County Sheriff's Office	\$20.1K Grant, 75.2% Liq.		
Lomira Police Dept.		\$4K Grant, 100% Liq.	
Mayville Police Dept.		\$4K Grant, 100% Liq.	
Watertown Police Dept.	\$9.3K Grant, 98.5% Liq.		
2015			
Dodge County Sheriff's Office		\$15.8K Grant, 90.5% Liq.	\$14.1K Grant, 95.3% Liq.
Juneau Police Dept.		\$4K Grant, 100% Liq.	
2016			
Beaver Dam Police Dept.		Was Eligible	
Beaver Dam Town Police Dept.		Was Eligible	
Brownsville Police Dept.		Was Eligible	
Clyman Police Dept.		Was Eligible	
Dodge County Sheriff's Office		Was Eligible	
Emmet Town Police Dept.		Was Eligible	
Fox Lake Police Dept.		Was Eligible	
Fox Lake Town Police Dept.		Was Eligible	
Horicon Police Dept.		Was Eligible	
Hustisford Police Dept.		Was Eligible	
Hustisford Town Police Dept.		Was Eligible	
Iron Ridge Police Dept.		Was Eligible	
Juneau Police Dept.		Was Eligible	
Lomira Police Dept.		Was Eligible	
Lowell Police Dept.		Was Eligible	
Mayville Police Dept.		Was Eligible	
Neosho/Ashippun/Rubicon Police Dept.		Was Eligible	
Reeseville Police Dept.		Was Eligible	
Theresa Police Dept.		Was Eligible	
Watertown Police Dept.		Was Eligible	
Waupun Police Dept.		Was Eligible	
2017			
Beaver Dam Police Dept.		Eligible	
Beaver Dam Town Police Dept.		Eligible	
Brownsville Police Dept.			
Dodge County Sheriff's Office		Eligible	
Emmet Town Police Dept.			
Fox Lake Police Dept.			
Fox Lake Town Police Dept.			
Horicon Police Dept.			
Hustisford Police Dept.			
Iron Ridge Police Dept.			
Juneau Police Dept.			
Lomira Police Dept.			
Lowell Police Dept.			
Mayville Police Dept.			
Neosho/Ashippun/Rubicon Police Dept.		Eligible	

Reeseville Police Dept.			
Theresa Police Dept.			
Watertown Police Dept.			
Waupun Police Dept.			

The Watertown PD received a grant to create an OWI reduction plan for the 2015 Riverfest Festival. In 2016, the Dodge County Sheriff's Office received a Seatbelt Task Force Grant and an OWI Task Force Grant, both in partnership with Mayville PD, Lomira PD, Watertown PD, Neosho/Ashippun/Rubicon PD, Iron Ridge PD, Horicon PD and Juneau PD.

Agency Mobilizations 2014-2015

	2014 Alcohol Crackdown	2014 Booze and Belts	2014 CIOT	2015 Drive Sober	2015 Booze and Belts	2015 CIOT
Beaver Dam Police Dept.						
Beaver Dam Town Police Dept.						
Brownsville Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes
Clyman Police Dept.						
Dodge County Sheriff's Office						
Emmet Town Police Dept.						
Fox Lake Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes
Fox Lake Town Police Dept.						
Horicon Police Dept.		Yes	Yes	Yes		Yes
Hustisford Police Dept.		Yes			Yes	
Hustisford Town Police Dept.						
Iron Ridge Police Dept.						
Juneau Police Dept.		Yes	Yes	Yes		Yes
Lomira Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes
Lowell Police Dept.						
Mayville Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes
Neosho/Ashippun/Rubicon Police Dept.						
Reeseville Police Dept.						
Theresa Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes
Watertown Police Dept.	No	Yes	Yes	Yes		Yes
Waupun Police Dept.	Yes	Yes	Yes	Yes	Yes	Yes

The Wisconsin State Patrol participates in all three mobilizations each year. Law enforcement agencies in Dodge County should participate for the chance to win an equipment grant.

TraCS Participation

Beaver Dam Police Dept.	TraCS 10
Beaver Dam Town Police Dept.	TraCS 10
Brownsville Police Dept.	TraCS 10
Clyman Police Dept.	TraCS 10
Dodge County Sheriff's Office	TraCS 10
Emmet Town Police Dept.	No TraCS 10
Fox Lake Police Dept.	TraCS 10
Fox Lake Town Police Dept.	No TraCS 10
Horicon Police Dept.	TraCS 73
Hustisford Police Dept.	No TraCS 10
Hustisofrd Town Police Dept.	No TraCS 10
Iron Ridge Police Dept.	TraCS 10
Juneau Police Dept.	No TraCS 10
Lomira Police Dept.	TraCS 10
Lowell Police Dept.	No TraCS 10
Mayville Police Dept.	TraCS 10
Neosho/Ashippun/Rubicon Police Dept.	TraCS 10
Reeseville Police Dept.	TraCS 10
Theresa Police Dept.	TraCS 73
Watertown Police Dept.	TraCS 10
Waupun Police Dept.	TraCS 10

Agencies Reporting Fatal Crashes and Crashes with Incapacitating "A" Injuries, 2011-2015

BEAVER DAM POLICE DEPARTMENT	19
DODGE COUNTY SHERIFF	240
FOX LAKE POLICE DEPARTMENT	2
HARTFORD POLICE DEPARTMENT	1
HORICON POLICE DEPARTMENT	3
JUNEAU POLICE DEPARTMENT	1
LOMIRA POLICE DEPARTMENT	1
MAYVILLE POLICE DEPARTMENT	4
NEOSHO/RUBICON/ASHIPPUN POLICE DEPA	2
RANDOLPH POLICE DEPARTMENT	1
TOWN OF EMMET POLICE DEPARTMENT	1
TOWN OF FOX LAKE POLICE DEPARTMENT	1
WATERTOWN POLICE DEPARTMENT	6
WAUPUN POLICE DEPARTMENT	3
WISCONSIN STATE PATROL	33
TOTAL	318

These agencies could work together to coordinate their enforcement to arrive at a strategy to prevent serious crashes from occurring.

Contact Information

RPM	Joe Davis	(608) 598-9668 Joseph.DavisSr@dot.wi.gov
SPM	Tina BonDurant	(608) 709-0077 Tina.BonDurant@dot.wi.gov