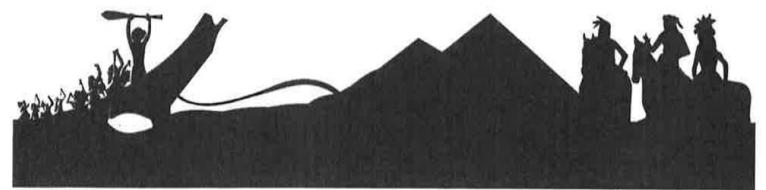
## Native American/Alaska Native Traffic Safety Data

February 27, 2018
EWU's SECTOR, Data
Collection & Analysis
Webinar



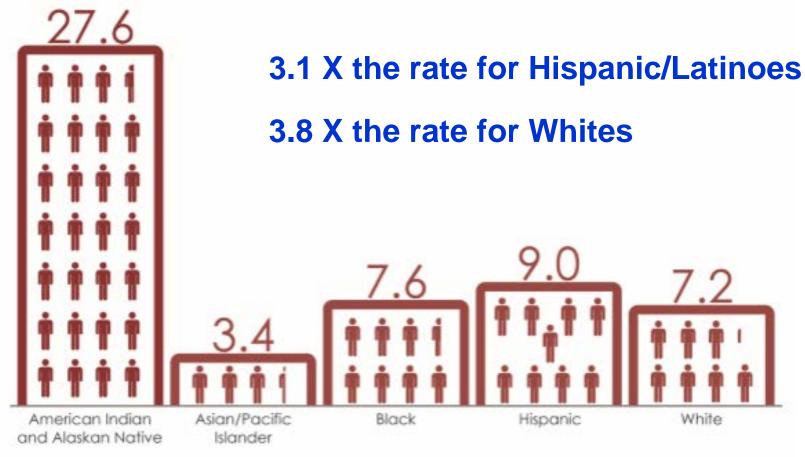


## Purpose

# Data used with Tribal Traffic Safety Advisory Board to:

- Identify traffic safety priorities for Tribal section of Target Zero plan
- Identify strategies
   to include in Target
   Zero plan to
   recommend to
   tribes to use to
   address traffic
   safety priorities
- Develop an understanding of pedestrian safety issues in order to provide input to Pedestrian Safety Advisory Board

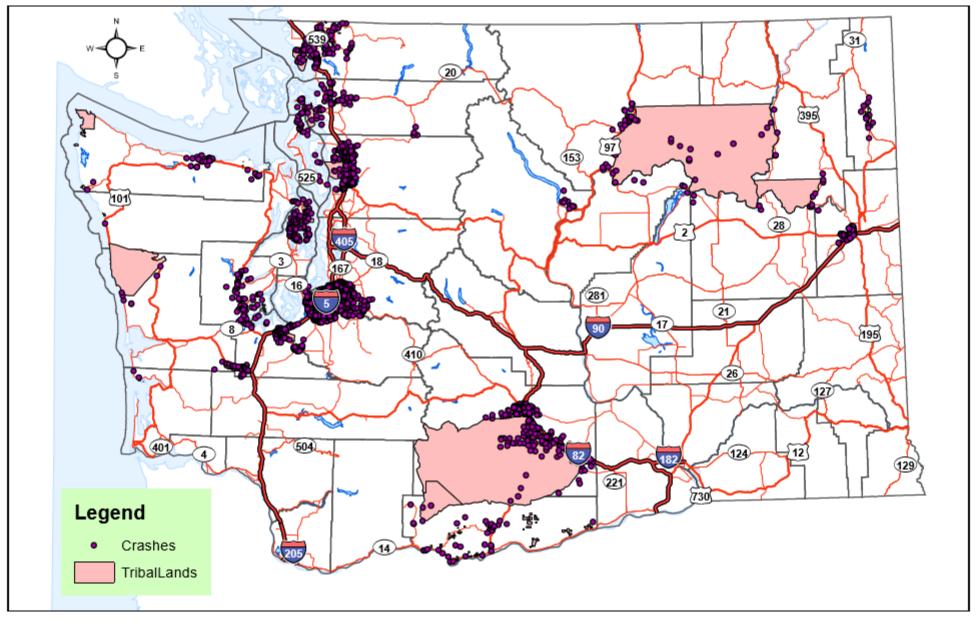
## Traffic fatality rate per 100,000 population 2005–2014



Fatal Accident Reporting System (FARS), 2005 - 2014

# Over-representation of AI/AN in fatalities, by county, 2012- 2014

County	Percent American Indian and Alaskan Native Population	Percent American Indian and Alaskan Native Traffic Fatalities	
Clallam	5.3%	13.7%	2.5 X
Ferry	17.6%	25.0%	
Grays Harbor	4.9%	9.2%	
Jefferson	2.4%	5.1%	
Kitsap	1.7%	4.0%	
Lincoln	1.7%	7.1%	
Okanogan	12.0%	26.4%	
Pierce	1.6%	3.7%	
Spokane	1.5%	4.1%	2.7 X
Stevens	5.7%	8.0%	
Walla Walla	1.1%	8.2%	7.5 X
Whatcom	3.0%	5.7%	
Whitman	0.8%	3.6%	
Yakima	5.3%	24.1%	4.5 X





## Total fatalities and seriously injured, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Fatalities	5	Serious Inj	uries
2012	26	2012	111
2013	103	2013	422
2014	114	2014	384
2015	136	2015	408
2016	86	2016	350

## Fatalities and Serious Injuries, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

	Fatalities	Serious Injuries
Yakama Nation	35	51
Puyallup Tribe	17	73
Colville Confederated Tribes	7	16
Lummi Nation	4	7
Tulalip Tribe	3	10
Muckleshoot Tribe	1	3
Shoalwater Bay Tribe	1	0
Skokomish Tribe	1	5
Suquamish Tribe	1	3
Swinomish Tribe	1	1
Jamestown S'Klallam Tribe	0	1
Lower Elwha Klallam Tribe	0	2
Nooksack Tribe	0	2
Quinault Nation	0	1
Squaxin Island Tribe	0	1

## Collision types in fatalities, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Collision Involving Fixed Object	7.4%
Collision Involving Motor Vehicle in Transport	37.3%
Collision Involving Parked Vehicle	0.6%
Collision Involving Pedalcyclist	2.5%
Collision Involving Pedestrian	13.7%
Overturn (Rollover)	3.4%
Ran off the Road	30.8%

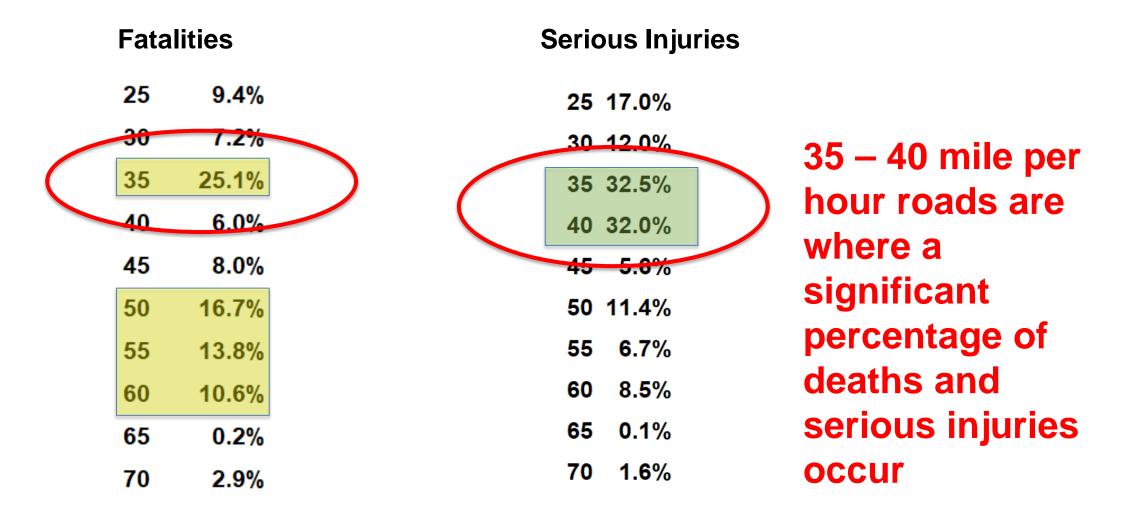
## Collision types in serious injury crashes, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Collision Involving Fixed Object	4.6%
Collision Involving Motor Vehicle in Transport	43.9%
Collision Involving Parked Vehicle	1.4%
Collision Involving Pedalcyclist	4.7%
Collision Involving Pedestrian	14.9%
Overturn (Rollover)	5.5%
Ran off the Road	25.0%

## Contributing factors in fatalities, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Under Influence of Alcohol	22.4%	
Under Influence of Drugs	4.4%	
	26.8%	
Unknown Driver Distraction	3.9%	
Inattention	9.7%	
Other Driver Distractions Inside Vehicle	0.5%	
	14.1%	
Lan <sup>9</sup> Chauldar Hood	52.4%	State Seatbelt
Lap & Shoulder Used	52.4%	
No Restraints Used	31.9%	Non-Use Rate
Unknown	14.4%	5.9% (2016)
Lap Belt Used	1.4%	

Posted speeds in fatality and serious injury crashes, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016



## Pedestrian fatalities, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Fatalities		Serious Inju	ıries
2012	5	2012	19
2013	7	2013	53
2014	17	2014	58
2015	22	2015	53
2016	16	2016	52

## Contributing factors for pedestrian fatalities, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Under Influence of Alcohol	15.0%
None	26.7%
Did Not Grant RW to Vehicle	11.7%
Disregard Stop and Go Light	3.3%
Fail to Yield RW to Pedestrian	1.7%
Inattention	15.0%
Other	26.7%

## Location of pedestrian in fatalities, Crashes within 5 miles of all Washington reservations, October 2012 – September 2016

Roadway	72.3%
Marked X walk	9.2%
Unmarked X walk	4.6%
Sidewalk	13.8%

## **Recommended Priorities**

#### **Fatalities**

- Impaired Driving
- Distracted Driving (Inattention)
- Safety Restraint Usage (adults and children)

### **Serious Injuries**

- Impaired Driving
- Distracted Driving (Inattention)
- Safety Restraint
   Usage (adults and children)
- Speed Too Fast for Conditions

## **Questions?**



## **Obtaining Crash Data**

From WSDOT's Statewide Crash Data Repository

Warren Stanley

Branch Manager Crash Data and Reporting Branch

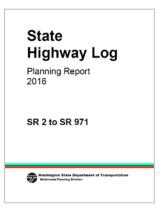
## **WSDOT Data Analysis Process**

- We review 138,000 incidents that occur on public roadways in Washington annually
- We review 121 data elements received from law enforcement officer on the PTCR
- We add an additional 98 data elements required by our engineering, research and safety partners
- A crash record is created using a variety of tools and resources









**Incident Location Tool** 

**SRview** 

CLAS

State Highway Log



RCW 46.52.030

- Motor Vehicle is Involved
- \$1,000 Damage to a Vehicle
- And/or Injury to any Person

We are working with the WSP to collect data on incidents in which a motor vehicle is not involved.



#### Investigated by Law Enforcement

#### **ELECTRONICALLY**

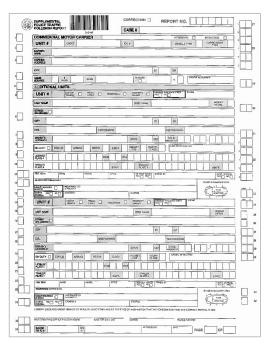


91% of all crashes

Average: 2 days from date of crash



**PAPER** 



9% of all crashes

Average: 18 days from date of crash

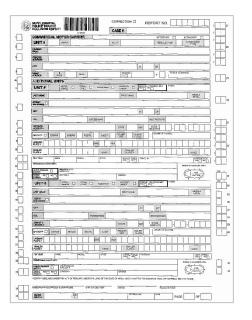
#### Telling the Story

Using CLAS, the WSDOT Crash Data Analyst will review the narrative, diagram, and side coding of the PTCR for the details of the crash. If data conflicts, WSDOT Crash Data Analyst will take action as described in the "PTCR Level of Review":

- Seek clarification from LEO
- Accept what officer submitted
- WSDOT Analyst will review and change
- Add clarifying information

The WSDOT Crash Data Analyst will add up to an additional 98 derived fields to record:

- Collision Type
- Junction Relationship
- Type of Intersection
- Driver Misc. Actions
- Sequence of Events





#### WSDOT Quality Assurance

#### Individual rate of review for quality assurance:

- 100%
- 1 in 5 records
- 1 in 10 records
- 1 in 25 records
- 1 in 50 records
- 1 in 100

#### QA rate of review is changed when:

- Coding methodologies or coding procedures are changed
- New data elements are introduced to record
- New employee joins our team

#### There are automated checks performed on:

- Electronic records before they are accepted by WSDOT
- All records before they are uploaded to the Crash Data Mart



### **Crash Data Portal: Public Site**



The Crash Data Portal contains standard sets of reports built by data experts who have working knowledge of the crash data fields, data relationships, database structure and the query tools. The Crash Data Portal provides access to crash data as defined by the 2014 NHTSA Traffic Records Assessment, MAP-21 and the FAST Act as well as building in standardization and data access efficiency for the staff providing the data.

The crash data customer can select the report that most closely provides the data they require (e.g., Injury Severity, Motor Vehicle Driver Contributing Circumstance, Bicyclist and Pedestrian Involved, etc.) and constrain the report to their desired date and jurisdictional range.

https://remoteapps.wsdot.wa.gov/crashdataportal



### **Crash Data Portal: Public Site**

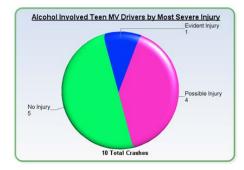


#### **Summary Reports:**

- 10 Year Overall Crash Summary
- 10 Year Pedestrian and Bicyclist
- Fatal and Serious Injury

#### Run Queries for:

- Distracted Drivers
- Alcohol Involved
- Pedestrians and Bicyclists
- Wildlife Involved Crashes
- Target Zero Emphases Areas



■ Data	Charts Note	s 🔇 Map
Most Severe	Injury per Crash	Number of Crashes
No Injury		149
Serious Injury	/	4
Evident Injury	1	35
Possible Injur	y	83
Total Distrac	cted (All) Involved Crashes	271

Queries available on the public site have data for 15 years but can be ran for only one year at a time.





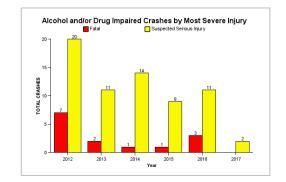
### **Crash Data Portal: Restricted Site**



- Queries can be ran for up to 5 years of data
- More detailed reports
- Downloading of crash data available
- Reports focus more on Target Zero emphases areas and engineering needs

Queries available on the public site have data for 15 years but can be ran for up to 5 years at a time.

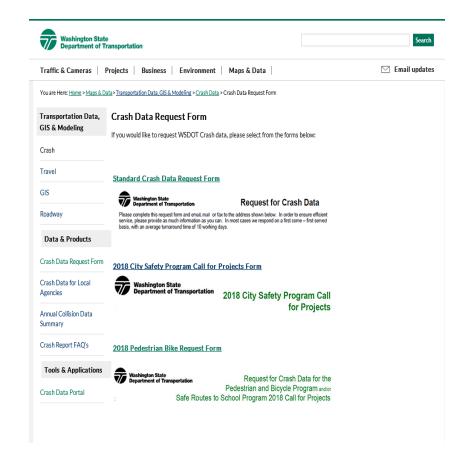




Year	TOTAL CRASHES	FATAL CRASHES	SUSPECTED SERIOUS INJURY CRASHES	Fatallies	Suspected Serious Injuries	ALCOHOL ANDIOR DRUG IMPAIRED CRASHES	ALCOHOL ANDIOR DRUG IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	ALCOHOL IMPAIRED CRASHES	ALCOHOL IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	DRUG IMPAIRED CRASHES	DRUG IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	HAD BEEN DRINKING CRASHES	HAD BEEN DRINKING (DRIVERS, PEDESTRIANS AND BICYCLISTS)	SPEED RELATED CRASHES	SPEEDING DRIVERS INVOLVED	INATTENTIVE/ DISTRACTION RELATED GRASHES	INATTENTIVEDIST DRIVERS, PEDES AND BICYCLE
2012	27	7	20	8	23	27	27	27	27	3	3	27	27	. 9	9	0	
2013	13	2	- 11	2	- 11	13	13	13	13	- 1	1	13	13	. 8	8	1	
2014	15	- 1	14	1.	16	15	15	15	15	2	2	15	15	3	3	1	
2015	10	- 1		1		10	10	10	10		0	10	10	3	3	2	
2016	14	3	11	3	14	14	15	14	15		0	14	15	4	4	2	
2017	2	0	2	0	2	2	2	2	2	. 0	0	2	2	- 1	- 1	0	
Overall - Total	81	14	67	15	75	81	82	81	82	- 6	6	81	82	28	28	6	



# WSDOT Crash Data Public Disclosure Request



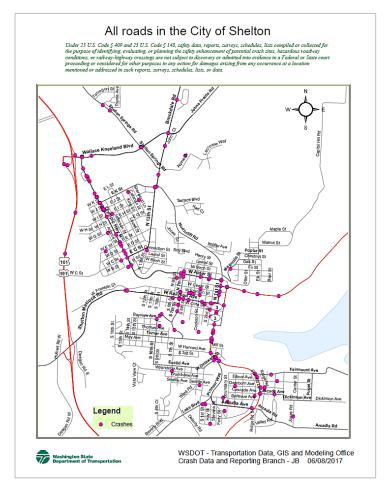
Email completed forms to:

Crashanalysis@wsdot.wa.gov

Currently all requests for specific locations have to be routed through our public disclosure process

Washington	n State nt of Transportation	Regu	uest fo	r Crash Dat
Departmen	it of Transportation	rtoqt	10001	orasii bat
efficient service, please	provide as much informat	il or fax to the address shown be ion as you can. In most cases w eporting Branch averages a 10 d	e respond	d on a first come -
WSDOT Public Disclosi plus the available curre		naintain the most current 15 cale	endar yea	rs of crash data
federal safety improve	ement funds. Under Sect n use in any litigation aga	o create this crash database fo ion 409 of Title 23 of the Unite sinst state, tribal or local gover	d States	Code, crash
By checking the box below, y	ou agree to comply with these te	rms – failure to do so will be grounds fo	r denying yo	our request.
		rash data for use in any current,		
against state, triba	al or local government invol	ving a crash at the location(s) m	entioned	in the data.
Requester Information	on			
Name		Company/Agency Name		
Address		City	State	Zip Code
Auuress		City	State	Zip Code
Phone No.		Email		
Phone No.		Email		
		Email lescribe your request and the ba	sic data	elements desired.
Crash Data Requested	d Use the space below to d			elements desired.
Crash Data Requested	d Use the space below to d	lescribe your request and the ba		elements desired.
Crash Data Requested A history report gives de Date Range	d Use the space below to details about each crash; a s	lescribe your request and the basummary is totals by years, mont	ths, etc.	elements desired.
Crash Data Requested A history report gives de	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range	d Use the space below to details about each crash; a s	lescribe your request and the basummary is totals by years, mont	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range	d Use the space below to details about each crash; a s	lescribe your request and the basummary is totals by years, mont	ths, etc.	elements desired.
Crash Data Requestee A history report gives de Date Range Specific Roadway -or- Roadwa	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range	d Use the space below to details about each crash; a s	lescribe your request and the basummary is totals by years, mont	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range Specific Roadway -on- Roadwa Report Type Requested	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requestee A history report gives de Date Range Specific Roadway -or- Roadwa	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range Specific Roadway -on- Roadwa Report Type Requested	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range Specific Roadway -on- Roadwa Report Type Requested	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range Specific Roadway -on- Roadwa Report Type Requested	d Use the space below to details about each crash; a s	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requester A history report gives de Date Range  Specific Roadway -on-Roadway Report Type Requested Additional Comments	d Use the space below to details about each crash; a s	lescribe your request and the batturnmary is totals by years, mont city or County  City or County  Ity Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -on Roadway Report Type Requested Additional Comments  Mail or Fax your comp	d Use the space below to details about each crash; a say Type State Routes C	lescribe your request and the ba ummary is totals by years, mont City or County Ry Streets County Roads Al Ro	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -cn- Roadwa  Report Type Requested Additional Comments  Mail or Fax your comp  CRASH DATA 8	d Use the space below to details about each crash; a soy Type State Routes Co	lescribe your request and the ba furnmary is totals by years, mont City or County  Ity Streets County Roads All Ro  Format Desired (Excel, FDF, etc.)	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -on Roadway Report Type Requested  Additional Comments  Mail or Fax your comp  CRASH DATA & WASHINGTON	d Use the space below to details about each crash; a say Type State Routes C	lescribe your request and the ba furnmary is totals by years, mont City or County  Ity Streets County Roads All Ro  Format Desired (Excel, FDF, etc.)	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -cn- Roadwa  Report Type Requested Additional Comments  Mail or Fax your comp  CRASH DATA 8	d Use the space below to details about each crash; a say Type State Routes Co	lescribe your request and the ba furnmary is totals by years, mont City or County  Ity Streets County Roads All Ro  Format Desired (Excel, FDF, etc.)	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -on-Roadway Report Type Requested Additional Comments  Mail or Fax your comp CRASH DATA 8 WASHINGTON P.O. BOX 4738:	d Use the space below to details about each crash; a separate of the space below to details about each crash; a separate of the space o	lescribe your request and the ba furnmary is totals by years, mont City or County  Ity Streets County Roads All Ro  Format Desired (Excel, FDF, etc.)	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -on Roadway Report Type Requested  Additional Comments  Mail or Fax your comp  CRASH DATA & WASHINGTON P.O. BOX 47381  CLYMPIA WA 98	d Use the space below to details about each crash; a separation of the space below to details about each crash; a separation of the space of the spa	lescribe your request and the ba furnmary is totals by years, mont City or County  Ity Streets County Roads All Ro  Format Desired (Excel, FDF, etc.)	ths, etc.	elements desired.
Crash Data Requested A history report gives de Date Range  Specific Roadway -on Roadway Report Type Requested  Additional Comments  Mail or Fax your comp  CRASH DATA & WASHINGTON P.O. BOX 47381  CLYMPIA WA 98	d Use the space below to details about each crash; a separation of the space below to details about each crash; a separation of the space of the spa	elescribe your request and the be unmnary is totals by years, mont class by years, mont class of the county in Streets County Roads All Roads County Roads All Roads County Roads (Excel, PDF, etc.)  Format Desired (Excel, PDF, etc.)	ths, etc.	elements desired.

## **WSDOT Crash Data Reports**



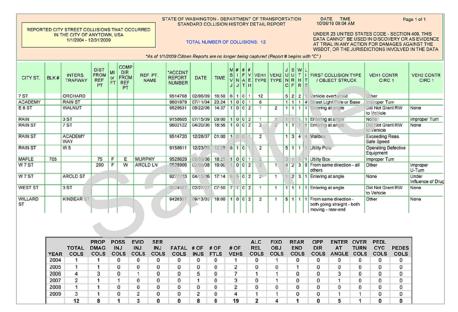
ALL COLLISIO	NS			FATAL & SERIOUS INJURY COLLISIONS							
*CONTRIBUTING CIRCUMSTANCE	200	х	200	х	TOTAL	*CONTRIBUTING CIRCUMSTANCE		x T	20		TOTAL
Exceeding Reasonable Safe Speed	26,164	18%	24,735	18%	76,704	Under Influence of Alcohol	612	16%	531	15%	1,77
Did Not Grant Right of Way to Vehicle	24.193	17%	21,949	16%	71.335	Exceeding Reasonable Safe Speed	602	16%	541	16%	1.72
Other	17.782	13%	16,520	12%	53,178	Did Not Grant Right of Way to Vehicle	321	8%	332	10%	1.03
Follow Too Closely	17.518	12%	16.699	12%	51.529	Other	310	8%	345	10%	1.00
nattention	9,276	7%	10,153	8%	27,249	Exceeding Stated Speed Limit	324	8%	283	8%	97
Under Influence of Alcohol	7.368	5%	6.821	5%	21,686	Over Center Line	274	7%	222	6%	75
Disregard Stop and Go Light	4.180	3%	3,840	3%	12,443	Fail to Yield Right of Way to Pedestrian	160	4%	140	4%	48
Improper Turn	3,900	3%	3,585	3%	11,345	Inattention	166	4%	175	5%	47
Exceeding Stated Speed Limit	3,442	2%	2,912	2%	9,847	Follow Too Closely	112	3%	108	3%	31
Improper Backing	2.667	2%	2,594	2%	7.995	Under Influence of Drugs	126	3%	85	2%	31
Disregard Stop Sign - Flashing Red	2,588	2%	2,549	2%	7,734	Disregard Stop Sign - Flashin, and	92	2%	93	3%	30
Operating Defective Equipment	2,567	2%	2,450	2%	7,650	Apparently Asleep	104	3%	61	2%	27
Driver Distractions Outside Vehicle	2,535	2%	2,740	2%	7,495	Disregard Stop and Go Linht	88	2%	72	2%	25
Over Center Line	2,000	2%	2,062	2%	6,606	Operating Cef Lave Equ. 1911	84	2%	64	2%	22
Apparently Asleep	1,912	1%	1,701	1%	5,509	Improper and	65	2%	63	2%	19
Unknown Driver Distraction	1,731	1%	1,546	1%	4.864	nown D r Distraction	52	1%	59	2%	1
	1,454	1%	1,340	1%	1,10		48	1%	44	1%	10
Improper Passing Fail to Yield Row to Pedestrian	1,419	1%	1,454	170	4,504	Ap, 'ntly IIi  Driv istract Outside ide	41	1%	44	1%	12
Other Driver Distractions Inside Vehicle	1,533	196	1,482	1/1%		Driver Practin ongers, Animal or Object in Vehicle	37	1%	37	1%	11
Driver Interacting with Passengers, Animal or Object in Vehicle	1,533	1%	1,402	96			41	196	30	196	10
Driver Operating Handheld Telecommunication Device	1,275	1761	827	70	3,191	Improp urn Other Dr. Distra ins Inside Vehicle	32	1%	35	1%	- 10
Improper U-Turn	870	196	59	100	2.70	Improper U-Tum	20	1%	17	0%	-
	93	1%	824	-10			16	0%	13	0%	
Under Influence of Drugs	7121	176	02	15	2,627	Driver Operating Handheld Telecommunication Device	19	0%	11	0%	-
Apparently III		-100	100			Apparently Fatigued					
Driver Adjusting Audio or Entertainment System	429	00	0110	0%	1,314	Headlight Violation	11	0%	11	0%	
Driver Eating or Drinking	401	0%	354	-0%	1,199	Improper Backing	11	0%	8	0%	
Apparently Fatigued	18	V 00%	345	0%	1,028	Driver Eating or Drinking	13	0%	- 7	0%	
Improper Parking Location	315	U78	314	0%	941	Driver Adjusting Audio or Entertainment System	8	0%	5	0%	
Disregard Yield Sign - Flashing Yellow	2.05	0%	202	0%	627	Had Taken Medication	6	0%	5	0%	
Failing to Signal	178	0%	141	0%	529	Disregard Yield Sign - Flashing Yellow	5	0%	5	0%	
lad Taken Medication	155	0%	163	0%	462	Driver Operating Hands-free Wireless Telecommunication Device	5	0%	5	0%	
Driver Smoking	125	0%	139	0%	426	Driver Smoking	4	0%	2	0%	
Driver Reading or Writing	106	0%	87	0%	340	Disregard Flagger - Officer	4	0%	2	0%	
Headlight Violation	103	0%	84	0%	321	Failing to Signal	- 1	0%	3	0%	
Driver Operating Other Electronic Device	88	0%	113	0%	260	Improper Parking Location	3	0%	3	0%	
Improper Signal	70	0%	82	0%	241	Driver Operating Other Electronic Device	2	0%	4	0%	
Oriver Operating Hands-free Wireless Telecommunication Device	72	0%	71	0%	206	Driver Reading or Writing	1	0%	- 1	0%	
Disregard Flagger - Officer	57	0%	56	0%	166	Improper Signal	0	0%	2	0%	
Driver Grooming	21	0%	25	0%	82	Driver Grooming	0	0%	0	0%	

**Customized Reports** 

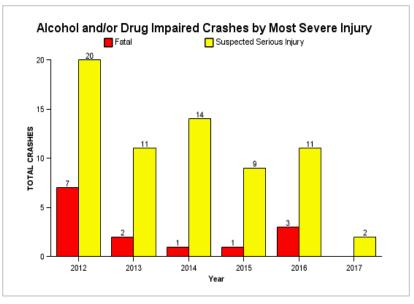
**Customized Maps** 



## **WSDOT Crash Data Reports**



Standard Crash History



Charts and Graphs

Year	TOTAL CRASHES	FATAL CRASHES	SUSPECTED SERIOUS INJURY CRASHES	Fatalities	Suspected Serious Injuries	ALCOHOL AND/OR DRUG IMPAIRED CRASHES	ALCOHOL AND/OR DRUG IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	ALCOHOL IMPAIRED CRASHES	ALCOHOL IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	DRUG IMPAIRED CRASHES	DRUG IMPAIRED DRIVERS, PEDESTRIANS AND BICYCLISTS	HAD BEEN DRINKING CRASHES	HAD BEEN DRINKING (DRIVERS, PEDESTRIANS AND BICYCLISTS)	SPEED RELATED CRASHES	SPEEDING DRIVERS INVOLVED	INATTENTIVE/ DISTRACTION RELATED CRASHES	INATTENTIVE/DISTI DRIVERS, PEDEST AND BICYCLIS
2012	27	7	20	8	23	27	27	27	27	3	3	27	27	9	9	0	
2013	13	2	11	2	11	13	13	13	13	1	1	13	13	8	8	1	
2014	15	1	14	1	16	15	15	15	15	2	2	15	15	3	3	1	
2015	10	1	9	1	9	10	10	10	10	0	0	10	10	3	3	2	
2016	14	3	11	3	14	14	15	14	15	0	0	14	15	4	4	2	
2017	2	0	2	0	2	2	2	2	2	0	0	2	2	1	1	0	
Overall - Total	81	14	67	15	75	81	82	81	82	6	6	81	82	28	28	6	

Raw Data Sets



### Questions

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