
Quarterly County Webinar

Vital Statistics and Confidentiality

Public Health Division
Center for Public Health Practice
Center for Health Statistics
August 21st and 22nd 2018

The logo for the Oregon Health Authority. It features the word "Oregon" in a smaller, orange, serif font positioned above the "H" of the word "Health". The word "Health" is in a large, dark blue, serif font. Below "Health", the word "Authority" is written in a smaller, orange, serif font. A thin blue horizontal line is positioned below the "Health" text, extending from the left side of the "H" to the right side of the "y" in "Authority".

Oregon
Health
Authority

Presenters

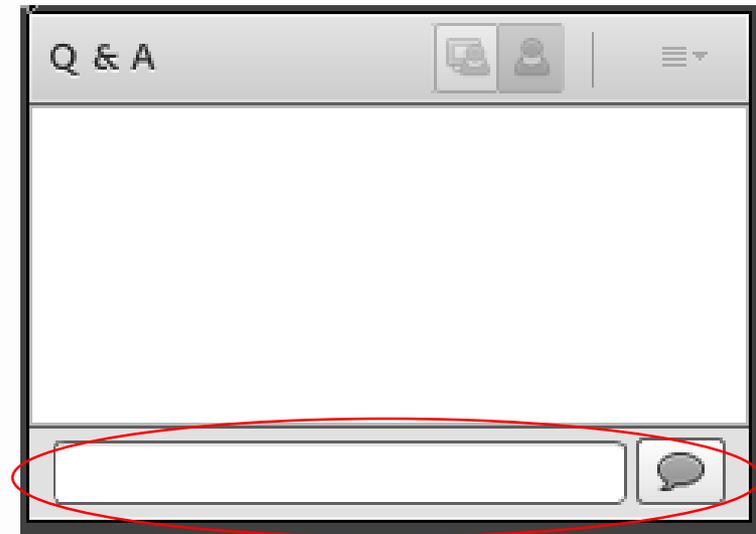
Lindsey Zapata, OVERS Training Coordinator
Craig New, Mortality Research Analyst
Marsha Trump, OVERS/Statistics Manager

Experts

Carolyn Hogg, Mortality Research Analyst
Jeon Small, Natality Research Analyst

How We Communicate

- Question and Answer Session between segments (phones will be unmuted)
- Type your questions in the Q & A chat box; we can either respond to questions individually or address to the whole group

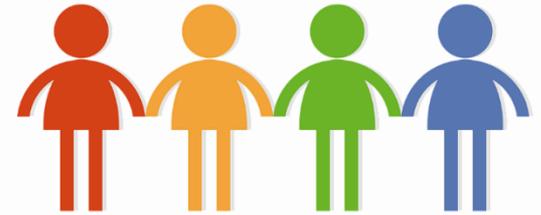


Today's Agenda

- The Statistics Unit
- Role of Vital Records in Health Statistics
- What the Statistics Unit Does
- Uses of Vital Statistics
- Confidentiality
- Open time for questions

Center for Health *Statistics*

Who is the Statistics Unit?



- Responsible for the analysis of the data
- Smallest unit within CHS
- Reviews, maintains, protects, and publishes vital record data
- Two teams with two members each:
 - » Natality
 - Birth, abortion, unions & disunions
 - Carolyn Hogg & Jeon Small
 - » Mortality
 - Death, fetal death, and infant death
 - Craig New & New Position

The *VITAL* Role You Play in Records

According to OAR 333-011, County Registrar duties include :

- Registration of death records
- Acknowledgment of paternity forms
- Confidentiality of records
- Issuance of certified copies for birth and death records
- Physical security of documents

The Role of Vital Records in Health Statistics

Dual Purpose of Vital Records

- Legal record of a vital event
 - Birth records establish identity and paternity
 - Death records settle matters of estate
 - Mandated by ORS 432 & 435.496
 - Instructions from OAR 333-011
- Primary source of population health data
 - Birth rates and outcomes
 - Prenatal care utilization
 - Leading causes of death
 - Life expectancy estimates

Uses of Vital Statistics

- Analyze health trends
- Plan public health programs and interventions
- Develop policy
- Provide foundational information for many public health indicators
- Data sharing with National Center for Health Statistics (NCHS)



Importance of Confidentiality

- Federal regulations and state statutes exist to protect this data
 - Personally Identifiable Information (PII)
 - Protected Health Information (PHI)



- CHS must review **all** releases of vital records or their data

What the Statistics Unit Does

Duties of the Statistics Unit

- Reviews records for data quality & consistency
 - Registration
 - OVERS
 - NCHS

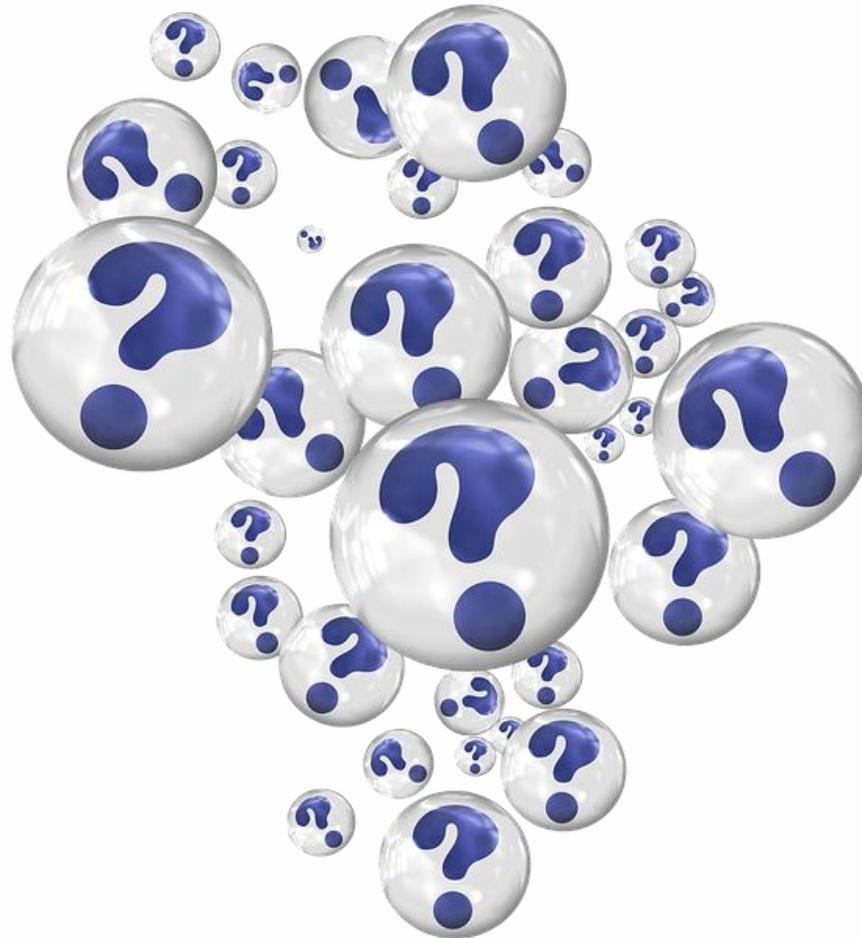


Duties of the Statistics Unit

- Summarize, analyze, and publish vital record data
 - Births
 - Deaths
 - Fetal Deaths
 - Infant Deaths
 - Abortions
 - Unions & Disunions



Q & A Break



Uses of Vital Statistics

Publicly Available Data and Reports: *Statistics Unit Publications*

- Main Statistics unit web page: <http://healthoregon.org/vitalstats>
- Year-to-date tables published quarterly
- Finalized data published in our annual report
- Data maps: <http://bit.ly/data-maps>

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Vital Statistics

About Vital Statistics

Vital statistics are the compilation and analysis of information collected from vital event records reported in Oregon. Oregon's Center for Health Statistics is responsible for compiling and analyzing the data from these vital records.

Some of the most important information about the health of Oregonians comes from vital records, such as leading causes of death, low birth weight babies, and mother's access to prenatal care. Vital records data are used throughout the state and nation for analysis of health trends, program planning, and policy development.

Preliminary, Year-to-Date and Final Data

- Births
- Deaths
- Marriages
- Divorces
- Domestic Partnerships
- Dissolutions of Domestic Partnership
- Fetal Deaths
- Induced Abortions
- Teen Pregnancies
- Data Use Requests

Data Maps

The Center for Health Statistics creates data maps showing key health indicators involving birth, death, and teen pregnancy data. [Learn more...](#)

- Birth Data Maps
- Death Data Maps
- Teen Pregnancy Data Maps

Contact Us

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- Find Us

Related Data and Publications

- Annual Reports and the CD Summary Newsletter
- Vital Records FAQ - How to order birth, death, marriage or divorce certificates
- Archived reports: Selected health status reports and "Health Trends" newsletter issues

Health Behavior Survey Data

- Healthy Teen Survey
- Adult BRFSS Survey

Year-to-Date, Preliminary, and Final Birth Data Tables

The following tables provide the most current statistics on births in Oregon by county. Preliminary data has not been edited or finalized. All documents are in Adobe PDF format.

Status	Age of Mother	Birthweight	Adequate Prenatal Care	First Trimester Care	Marital Status	Month of Occurrence	First Births	Final Method of Delivery by Facility	Month by Facility
Year-to-date	2018	2018	2018	2018	2018	2018	2018	2018	2018
Final	2017	2017	2017	2017	2017	2017	2017	2017	2017
	2016	2016	2016	2016	2016	2016	2016	2016	2016
	2015	2015	2015	2015	2015	2015	2015	2015	2015
	2014	2014	2014	2014	2014	2014	2014	2014	2014
	2013	2013	2013	2013	2013	2013	2013	2013	2013
	2012	2012	2012	2012	2012	2012	2012	2012	2012
	2011	2011	2011	2011	2011	2011	2011	2011	2011
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	2005	2005	2005	2005	2005	2005	2005	2005	2005
	2004	2004	2004	2004	2004	2004	2004	2004	2004
	2003	2003	2003	2003	2003	2003	2003	2003	2003
	2002	2002	2002	2002	2002	2002	2002	2002	2002
	2001	2001	2001	2001	2001	2001	2001	2001	2001
	2000	2000	2000	2000	2000	2000	2000	2000	2000
	1999	1999	1999	1999	1999	1999	1999	1999	1999
	1998	1998	1998	1998	1998	1998	1998	1998	1998

More Data Resources

- Volume 1 - Natality | Volume 2 - Mortality
- County Data Book
- Healthy Teen Survey | Adult BRFSS Survey

Age of mother and county of residence, Oregon resident births, 2018 year-to-date+ (Run date: August 1, 2018)

County of residence	Total	10-17	18-19	20+	Not stated
Total	23,790	193	669	22,924	4
Baker	90	1	7	82	-
Benton	393	1	5	387	-
Clackamas	2,247	10	43	2,194	-
Clatsop	212	1	7	204	-
Columbia	276	-	8	268	-
Coos	326	3	11	312	-
Curry	137	2	5	130	-
Deschutes	90	-	4	86	-
Douglas	1,067	4	22	1,041	-
Gilliam	611	4	30	577	-
Grant	9	-	-	9	-
Harney	36	-	1	35	-
Hood River	30	-	1	29	-
Jackson	136	2	4	130	-
Jefferson	1,226	12	45	1,169	-
Josephine	143	4	5	134	-
Klamath	475	7	20	448	-
Lake	416	4	20	392	-
Lane	24	1	1	22	-
Lincoln	1,794	10	49	1,735	-
Linn	203	2	13	188	-
Malheur	846	5	26	815	-
Marion	194	6	13	174	1
Wheeler	2,368	35	91	2,242	-

- Finalized data published in our annual report

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TABLE 2-1. Oregon resident births by age group of mother, selected years 1960-1995, 2000-2017

Year	Total	Age group of mother																NS*
		Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45+		
		No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1	2
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1	1
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1	1
1975	33,352	67	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0	5
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0	2
1985	39,419	42	0.1	4,136	10.5	11,815	30.0	12,782	32.4	8,017	20.3	2,333	5.9	281	0.7	10	0.0	3
1990	42,830	76	0.2	5,080	11.9	11,523	26.9	12,974	30.3	8,961	20.9	3,607	8.4	585	1.4	13	0.0	11
1995	42,715	104	0.2	5,437	12.7	11,054	25.9	11,950	28.0	9,216	21.6	4,059	9.5	848	2.0	43	0.1	4
2000	45,786	66	0.1	5,090	11.1	12,265	26.8	12,680	27.7	9,943	21.7	4,669	10.2	1,007	2.2	61	0.1	5
2001	45,318	66	0.1	4,819	10.6	12,244	27.0	12,408	27.4	10,093	22.3	4,605	10.2	1,008	2.2	67	0.1	8
2002	45,190	51	0.1	4,410	9.8	11,997	26.6	12,634	28.0	10,320	22.8	4,674	10.3	1,036	2.3	61	0.1	7
2003	45,935	47	0.1	4,116	9.0	11,901	25.9	13,033	28.4	10,840	23.6	4,842	10.5	1,067	2.3	80	0.2	9
2004	45,660	55	0.1	3,980	8.7	11,769	25.8	12,959	28.4	10,704	23.4	4,994	10.9	1,102	2.4	87	0.2	10
2005	45,905	52	0.1	3,992	8.7	11,644	25.4	13,381	29.1	10,432	22.7	5,276	11.5	1,051	2.3	75	0.2	2
2006	48,684	45	0.1	4,263	8.8	12,176	25.0	14,298	29.4	11,184	23.0	5,534	11.4	1,084	2.2	95	0.2	5
2007	49,373	50	0.1	4,328	8.8	12,259	24.8	14,319	29.0	11,396	23.1	5,795	11.7	1,114	2.3	102	0.2	10
2008	49,117	38	0.1	4,474	9.1	11,986	24.4	14,274	29.1	11,471	23.4	5,693	11.6	1,101	2.2	75	0.2	5
2009	47,188	39	0.1	4,074	8.6	10,877	23.1	13,831	29.3	11,551	24.5	5,572	11.8	1,165	2.5	76	0.2	3
2010	45,596	27	0.1	3,511	7.7	10,325	22.6	13,381	29.3	11,480	25.2	5,580	12.2	1,202	2.6	90	0.2	0
2011	45,136	20	0.0	3,135	6.9	9,874	21.9	13,232	29.3	11,874	26.3	5,683	12.6	1,242	2.8	75	0.2	1
2012	45,059	33	0.1	2,849	6.3	9,693	21.5	12,999	28.8	12,158	27.0	5,956	13.2	1,287	2.9	83	0.2	1
2013	45,136	15	0.0	2,595	5.7	9,507	21.1	12,978	28.8	12,646	28.0	6,015	13.3	1,282	2.8	94	0.2	4
2014	45,557	20	0.0	2,392	5.3	9,264	20.3	13,167	28.9	12,996	28.5	6,275	13.8	1,340	2.9	100	0.2	3
2015	45,656	15	0.0	2,289	5.0	8,887	19.5	13,279	29.1	13,102	28.7	6,637	14.5	1,343	2.9	102	0.2	2
2016	45,533	10	0.0	2,008	4.4	8,386	18.4	13,389	29.4	13,255	29.1	6,924	15.2	1,468	3.2	92	0.2	1
2017	43,630	13	0.0	1,809	4.1	7,796	17.9	12,540	28.7	12,883	29.5	7,069	16.2	1,419	3.3	100	0.2	1

* NS indicates age not stated; the percentage is negligible.

- Main Statistics unit web page: <http://healthoregon.org/vitalstats>

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Oregon State Health Indicators (2009-2015)

Center for Health Statistics, Public Health Division, Oregon Health Authority

A story map   



Age-Adj. Death Rate | Age-Adj. Years of Potential Life Lost | Cancer | Heart Disease | Chronic Lower Resp. Dis. | Cerebrovascular Dis. | Unintentional Inj. | Suicide

Age-Adjusted Death Rate, 2009-2015

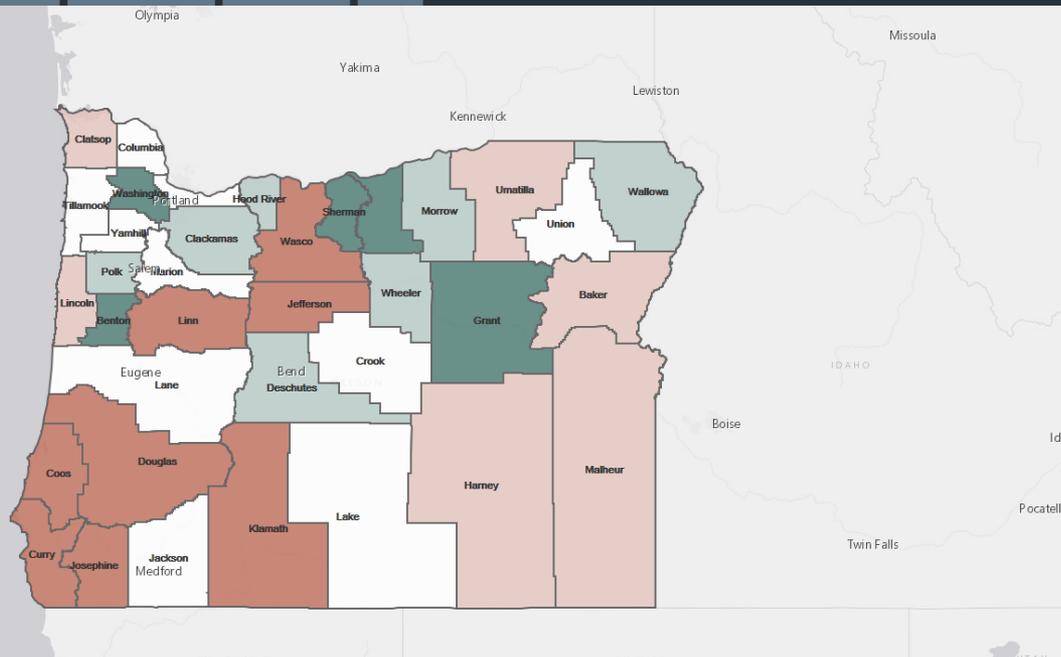
Map data are displayed by county and census tract. Click on the desired area to see detailed information. Zoom in to county level to see census tract data.

Age-adjusted death rate is a standardized measure of deaths that allows for comparisons across geographic areas. Age-adjustments are typically used to control for the impact different population's age distribution might have on health outcomes.

Rates are calculated from the average count of deaths and the estimated population by county and age groups for the seven-year period. All rates are per 100,000 population.

Census tract level rates are calculated with usable census tract records (i.e. records with census tract information geocodable at or below street name level). These rates may differ from those reported in the Oregon Vital Statistics Annual Reports, which are reported at county and state levels. Census tract level rates for Oregon counties bordering other states may be less reliable due to varying data completeness.

For more information about Oregon vital statistics, please visit the following Center for Health Statistics web pages: [Vital Statistics](#), [Oregon Death Data](#), [Annual Reports](#).



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Age-Adj. Death Rate

Age-Adj. Years of Potential Life Lost

Cancer

Heart Disease

Chronic Lower Resp. Dis.

Cerebrovascular Dis.

Unintentional Inj.

Suicide

Age-Adjusted Death Rate, 2009-2015

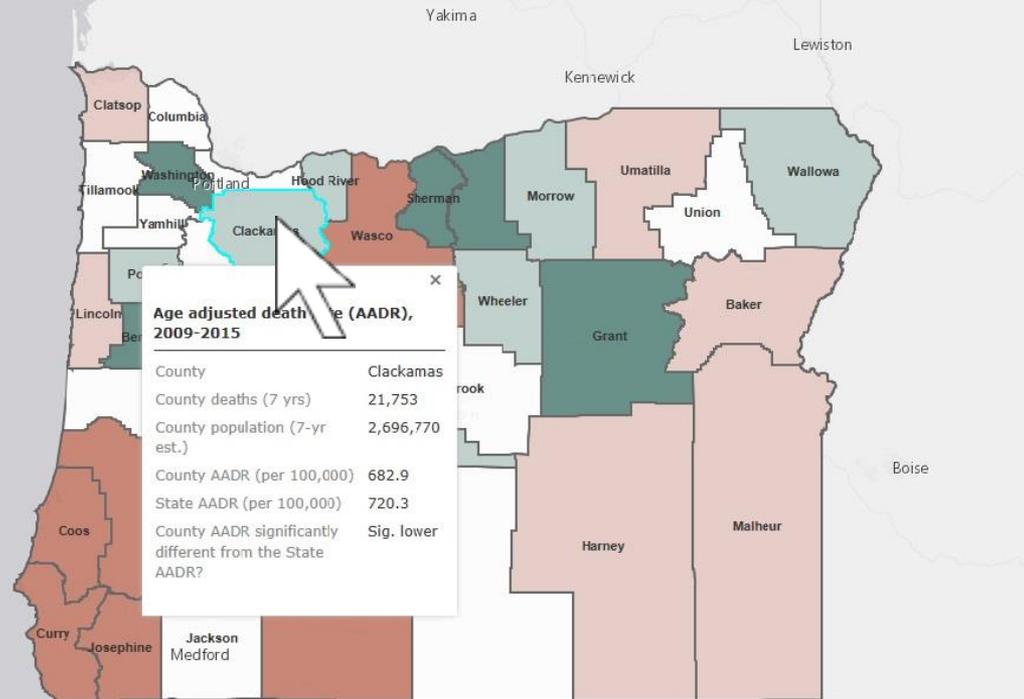
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Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE, NPS 

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A story map   



- Age-Adj. Death Rate**
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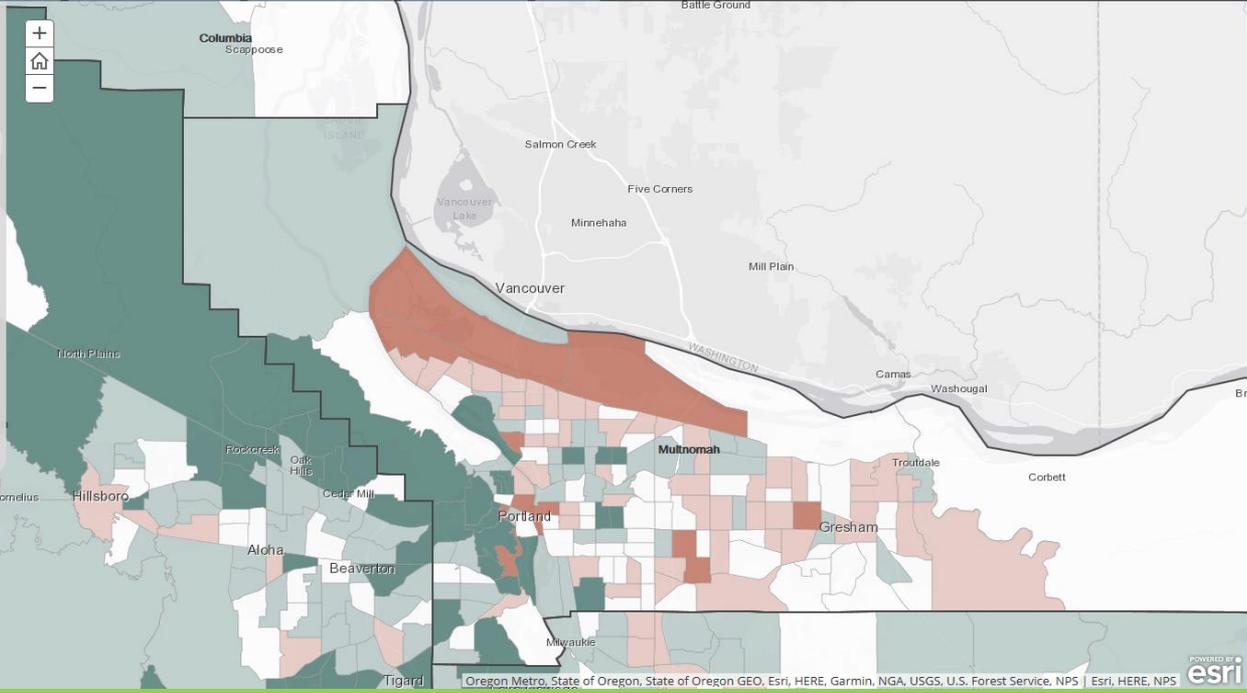
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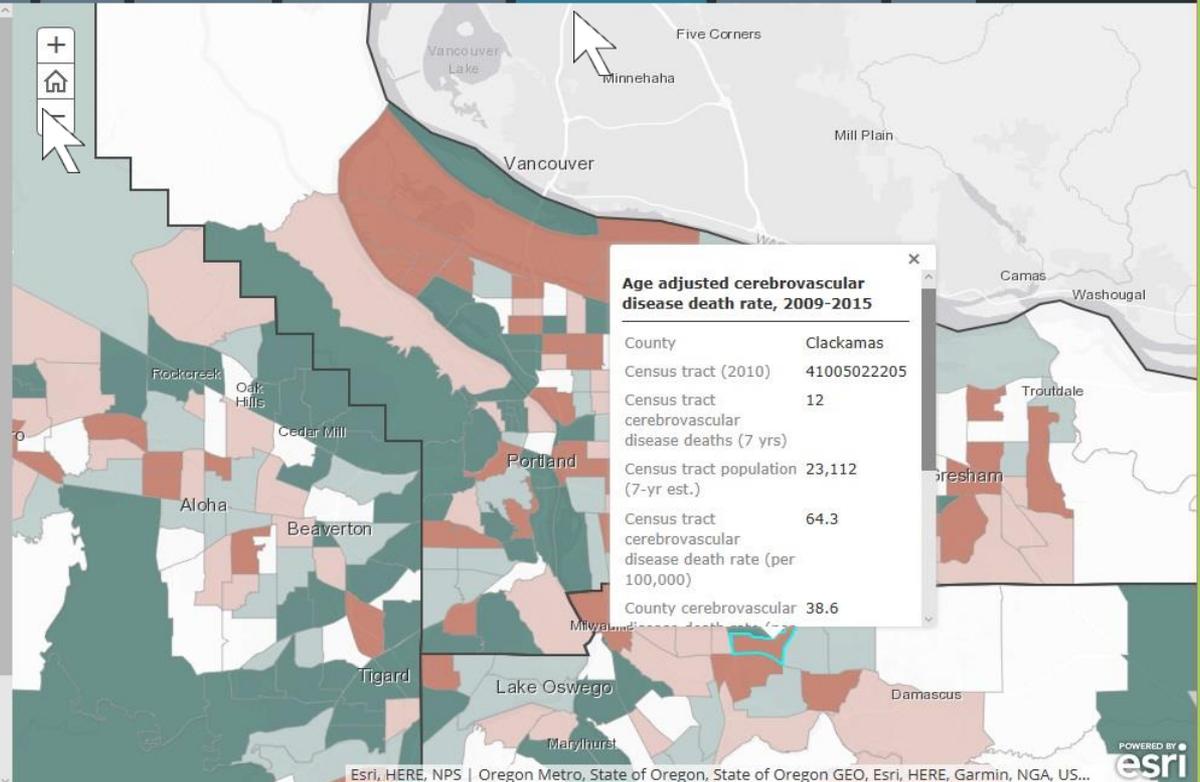
Age-adjusted Cerebrovascular Disease Death Rate, 2009-2015

Cerebrovascular disease was the fourth leading cause of death in Oregon for the 2009-2015 period. This map presents the cause specific age-adjusted death rates by county and census tract. Click on the desired area to see detailed information. Zoom in to county level to see census tract data.

Age-adjusted death rate is a standardized measure of deaths that allows for comparisons across geographic areas. Age-adjustments are typically used to control for the impact different population's age distribution might have on health outcomes.

Rates are calculated from the average count of cerebrovascular disease deaths and the estimated population by county and age groups for the seven-year period. All rates are per 100,000 population.

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Requesting Data for Health Monitoring and Research

State Law and Rules Governing the Release of Record-level Data

- OAR 333-011-0325(2): “Requests for personally identifiable information contained in vital records for health research purposes shall be submitted in writing to the state registrar.”
- **All** requests for data must go through the state vital records office



CHS Research Review Committee

- Staffed by the Statistics Unit and chaired by the State Registrar
- Reviews all data requests for legality, proper use, and protection of security and confidentiality
- County vital records offices are not authorized to release vital records data, aggregated or record-level

Requesting Data from Center for Health Statistics

- Submit a data request at <http://bit.ly/orvr-data-request>
- *This form is an easy-to-use electronic survey!*
- County health departments may request data for free
- For others, \$60/hour fee for custom data requests

Other Resources

OHA Resources

- [OPHAT - Oregon Public Health Assessment Tool](#)

For statistics on vital events and population estimates

- Email OPHAT.Administration@state.or.us to sign up for an account

- [Injury and Violence Prevention](#)

For child fatality reviews, opioid death monitoring, suicides

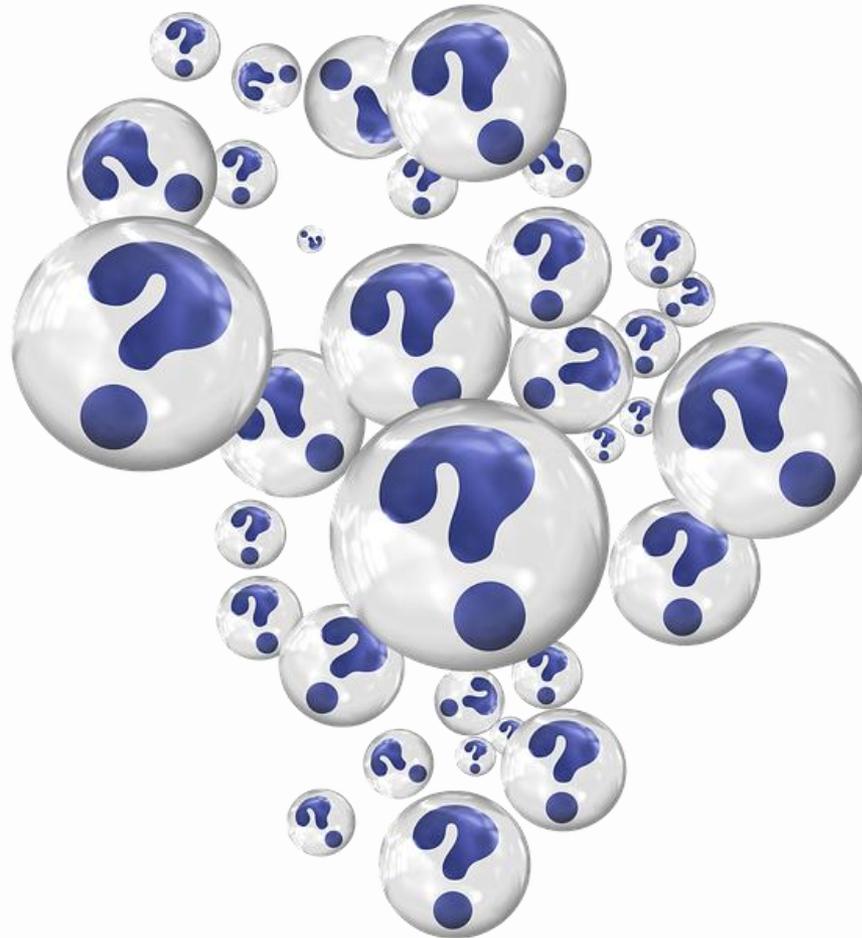
- [Maternal and Child Health Program](#)

Prenatal care, birth outcomes...

National Resources

- [USALEEP](#)  Neighborhood Life Expectancy Project
For national life expectancy data
- [Wonder](#) - Center for Disease Control
For national averages

Q & A Break



Take-home Message

- Center for Health Statistics (CHS) is responsible for compiling, analyzing and disseminating the data from vital records.
- Remember, the use and sharing of vital records are protected under Oregon laws (ORS 432 & 435.496 & OAR 333-011).
- All requests for vital record information for use in health research must be submitted in writing to the state registrar.

Contacts

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Thank you!