
Early Hearing Detection and Intervention (EHDI) Program

ONE: Screening

THREE: Diagnostic Evaluation

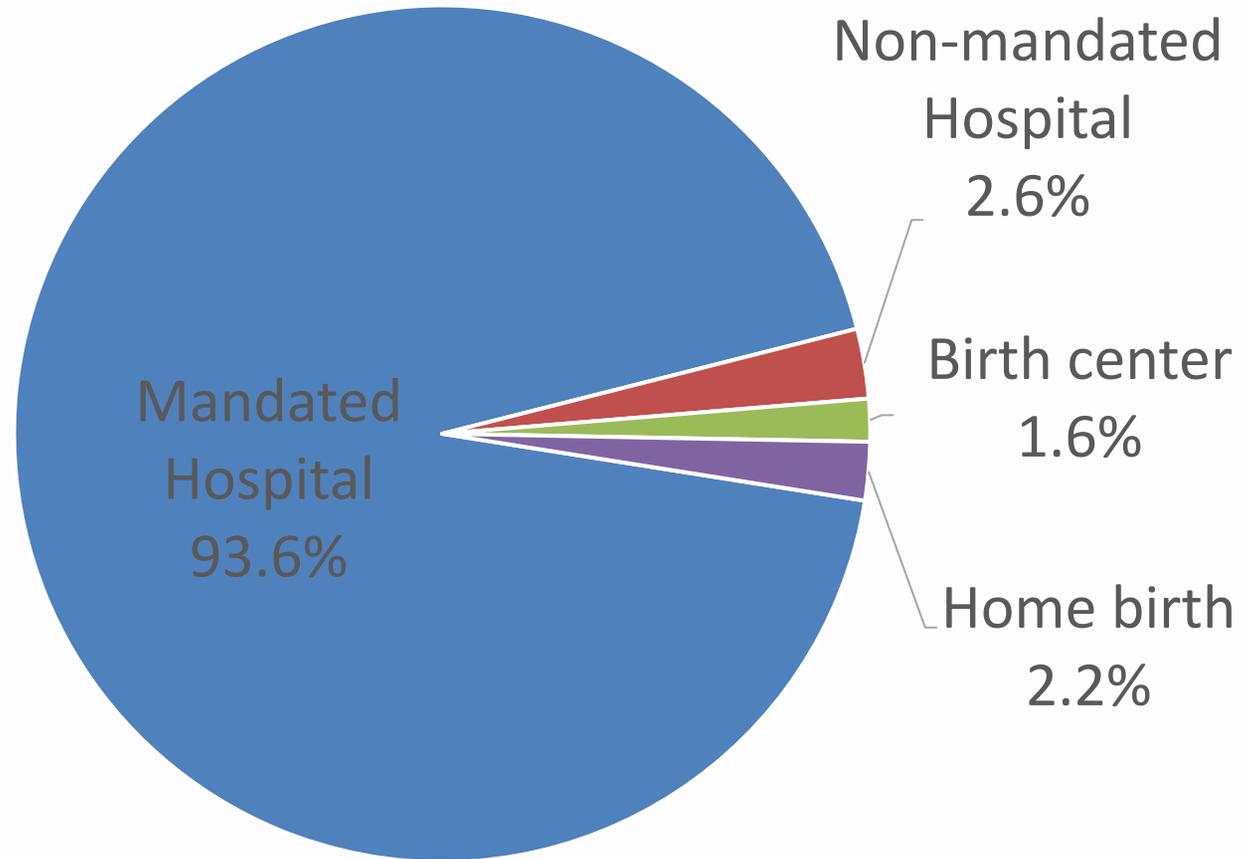
SIX: Early Intervention

January 2017 Quarterly Data Update

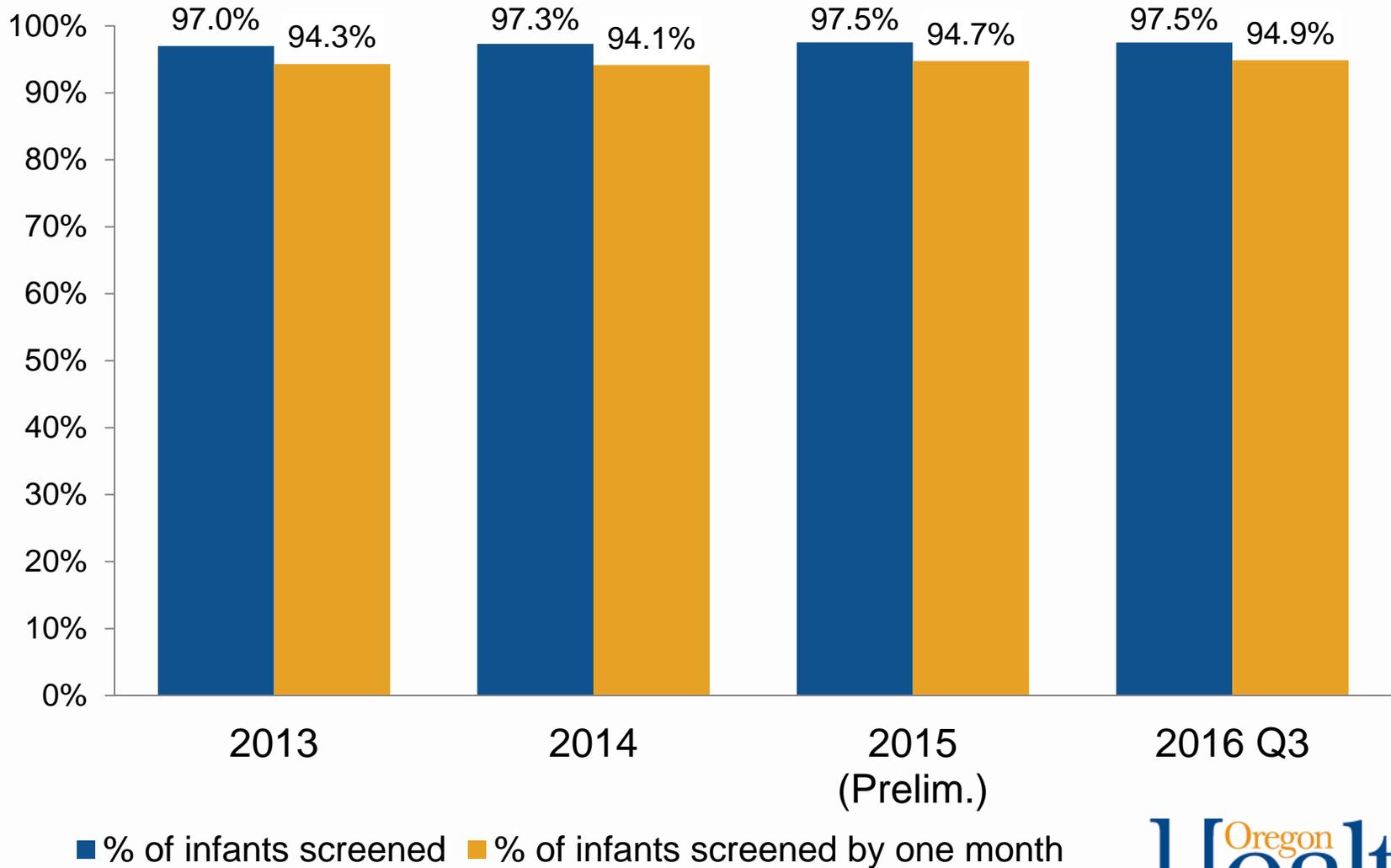
Oregon
Health
Authority

ONE

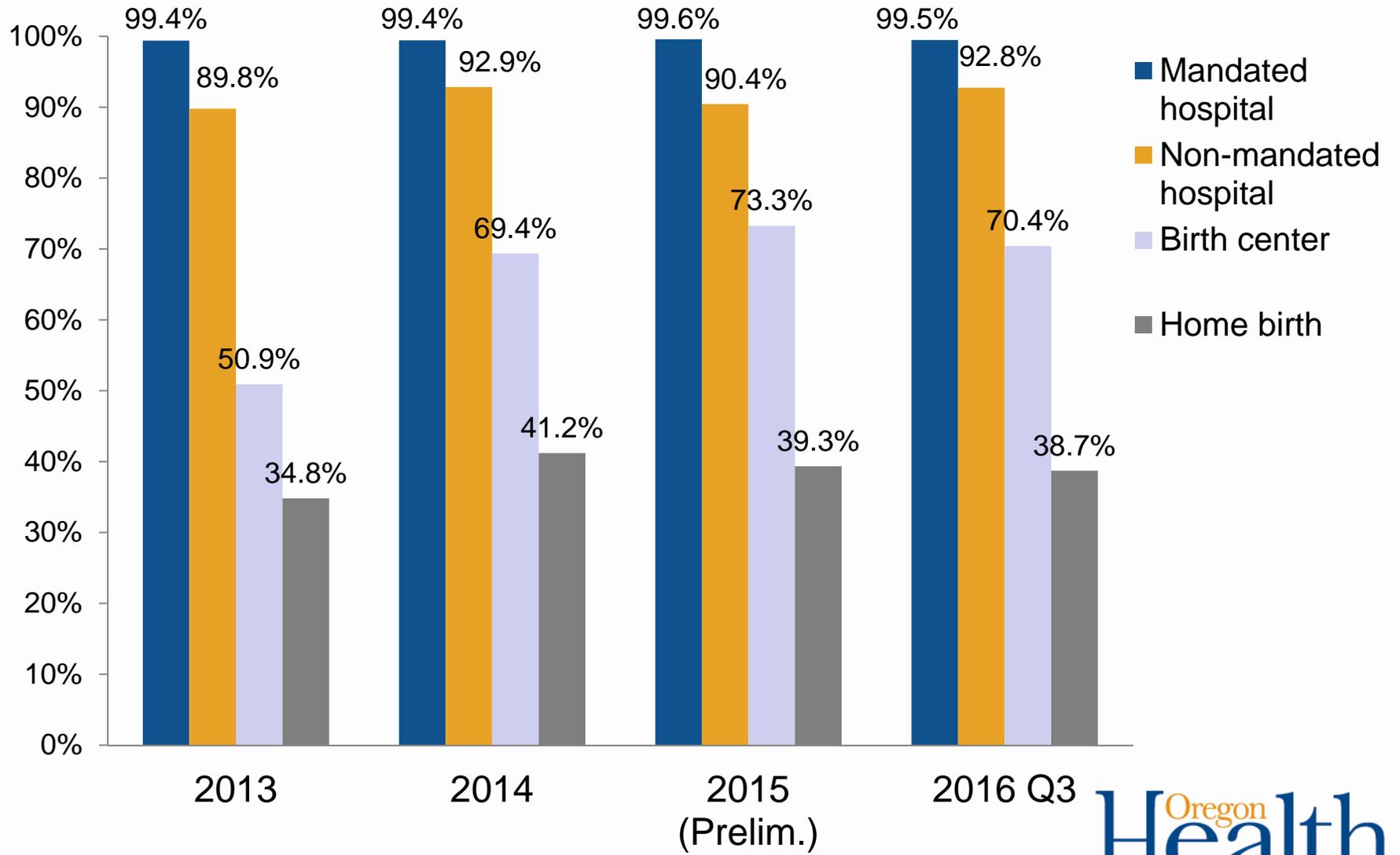
Distribution of Births by Facility Type: 2015



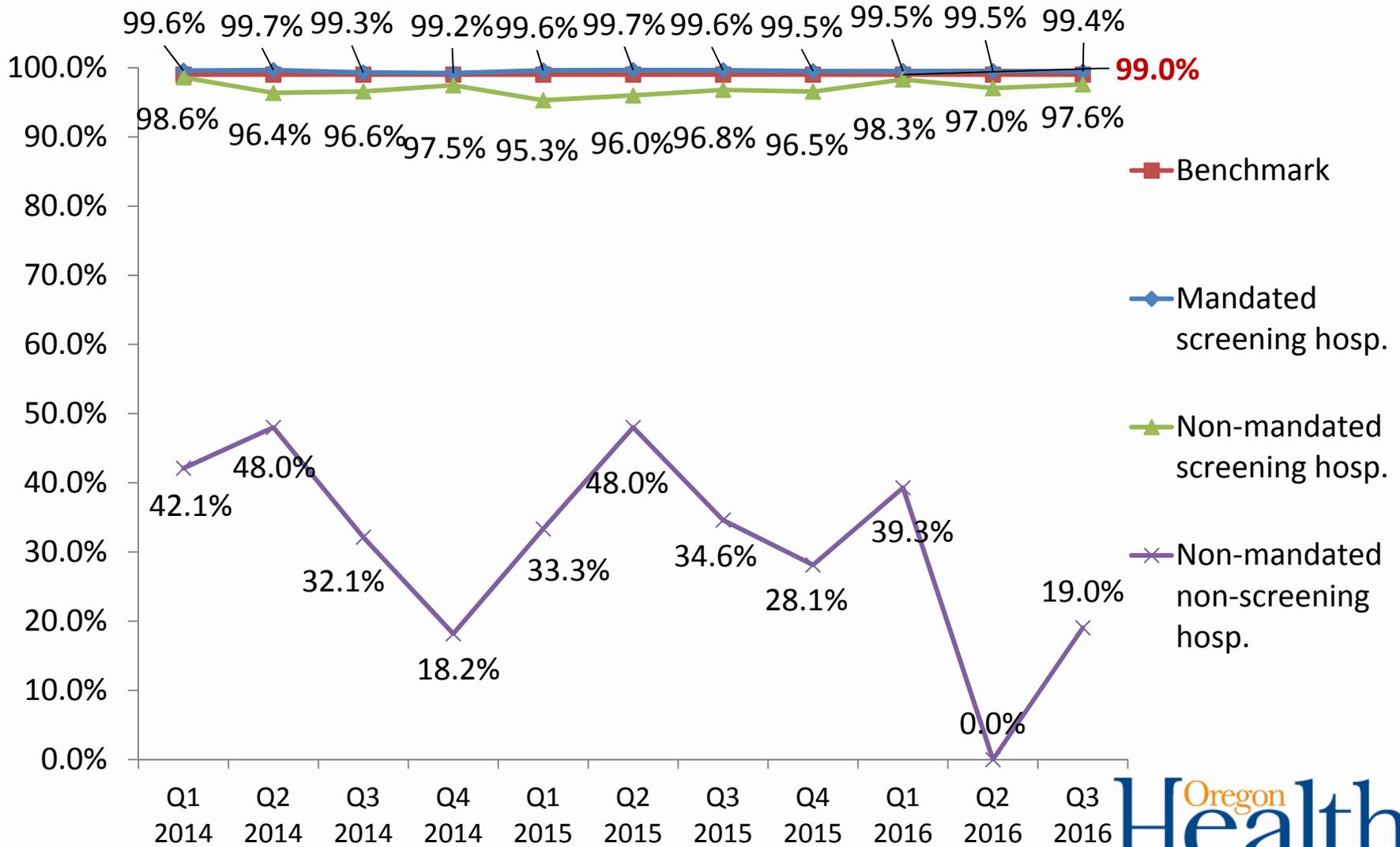
Screening trends: 2013-2016



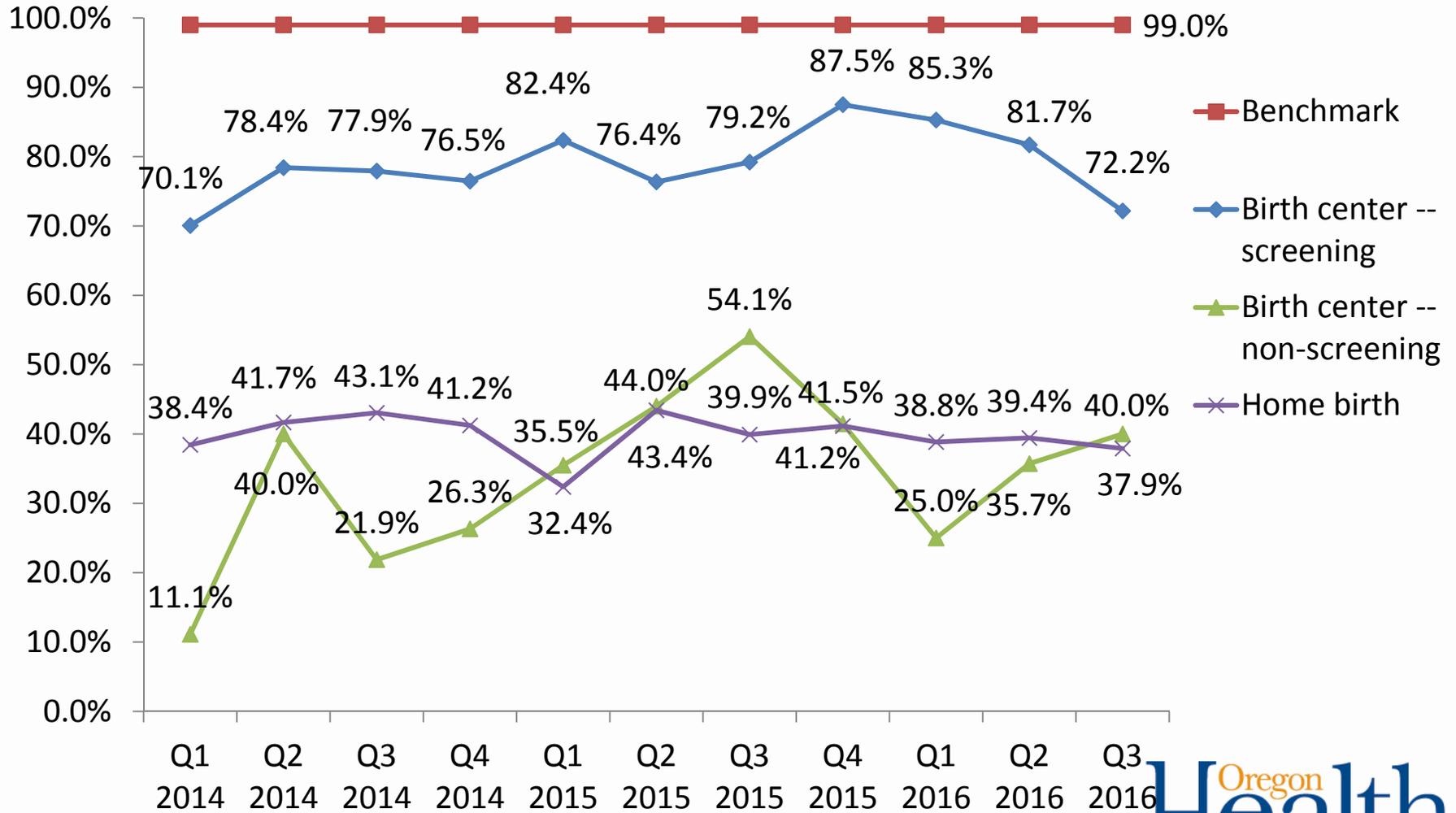
Screening by birth facility types: 2013-2016



Hospital Screening Rates: 2014-2016



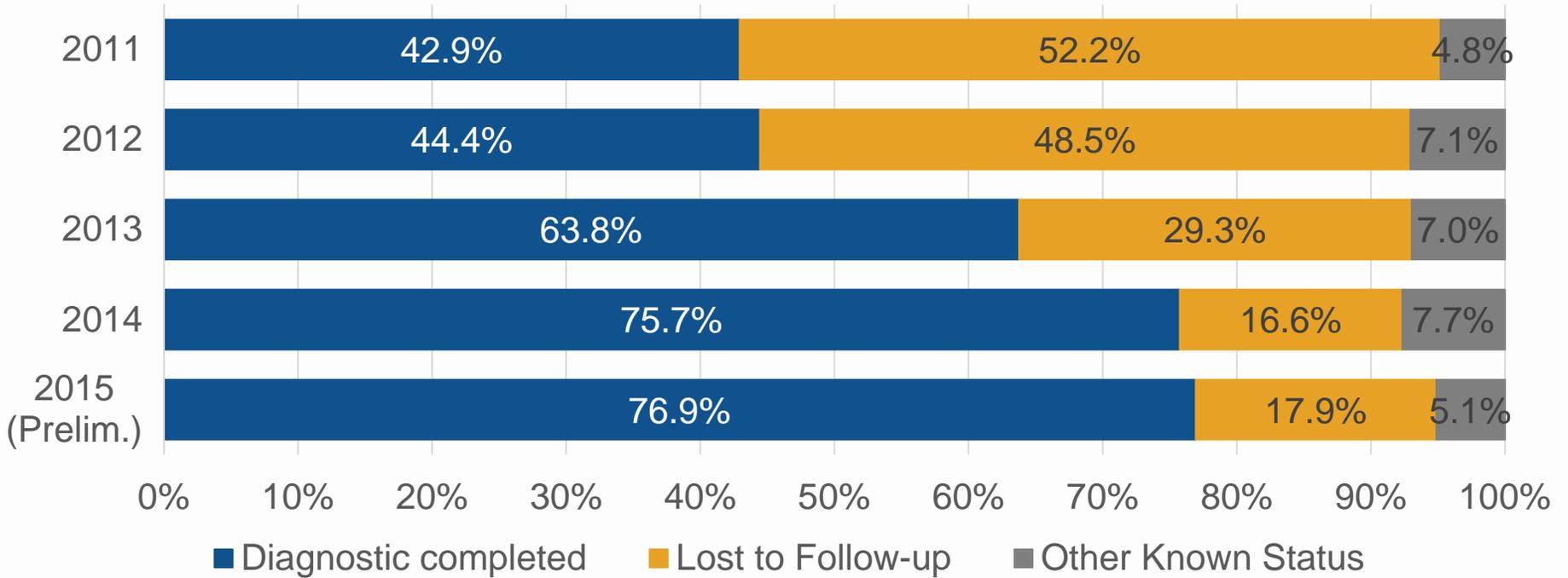
Out of Hospital Screening Rates: 2014-2016



Screening results – referred: 2014-2016

Percent of referred infants by region	2014		2015 (Prelim.)		2016 Q2	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	1253	2.8%	1383	3.1%	658	3.0%
Multnomah, Hood River, Wasco	376	3.3%	461	4.0%	205	3.7%
Columbia, Clatsop, Tillamook, Washington	121	1.7%	165	2.3%	98	2.9%
Clackamas	56	1.3%	115	2.6%	81	3.6%
Lane	160	4.3%	85	2.3%	31	1.7%
Yamhill, Polk, Marion	153	2.5%	174	2.9%	94	3.1%
Douglas, Josephine, Jackson, Klamath, Lake	123	2.5%	155	3.1%	60	2.5%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	58	2.4%	39	1.7%	14	1.2%
Benton, Linn, Lincoln, Coos, Curry	58	1.9%	58	1.9%	27	1.7%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	148	8.4%	131	7.7%	48	5.8%

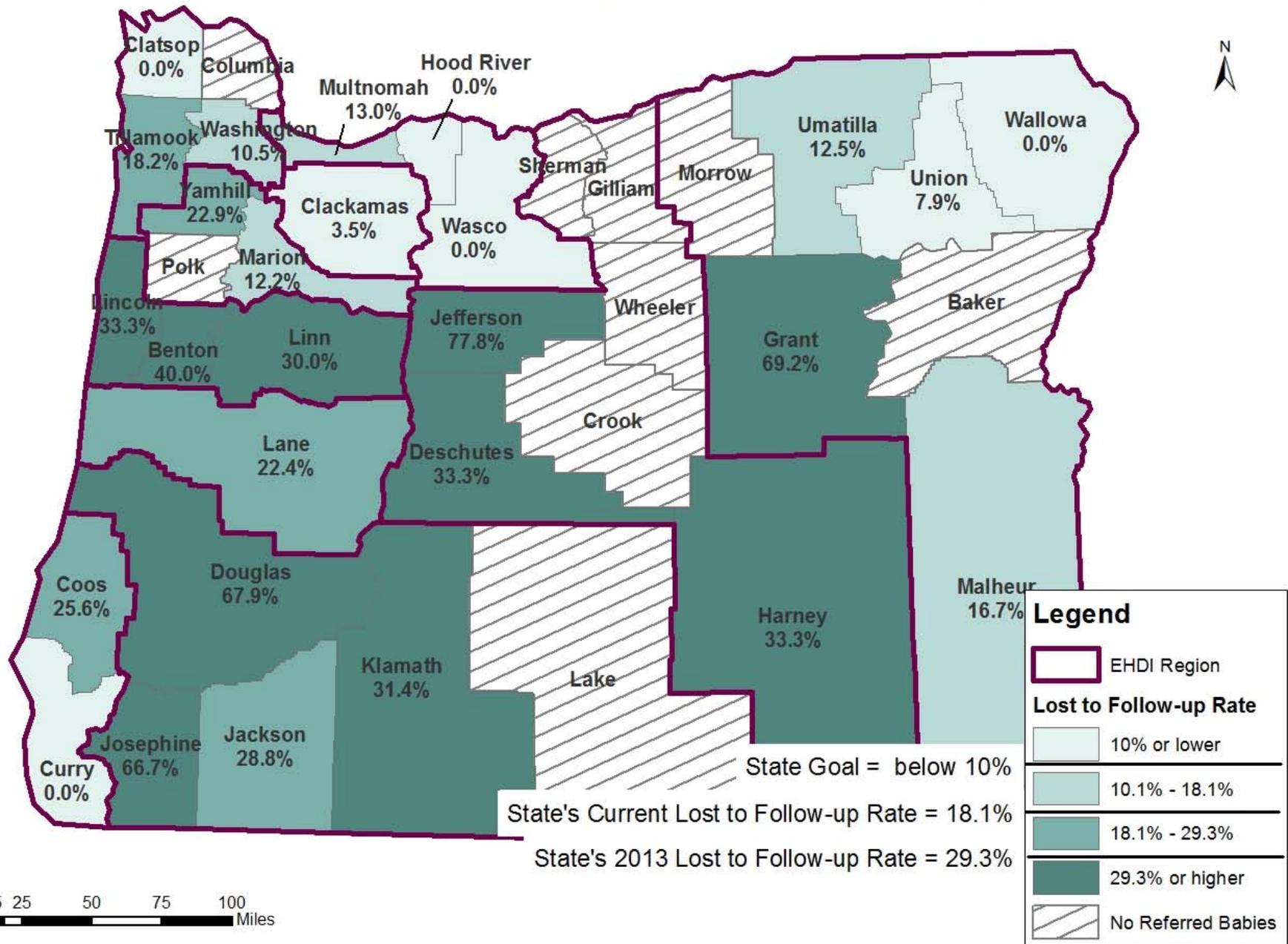
Diagnostic follow-up trends: 2011-2015



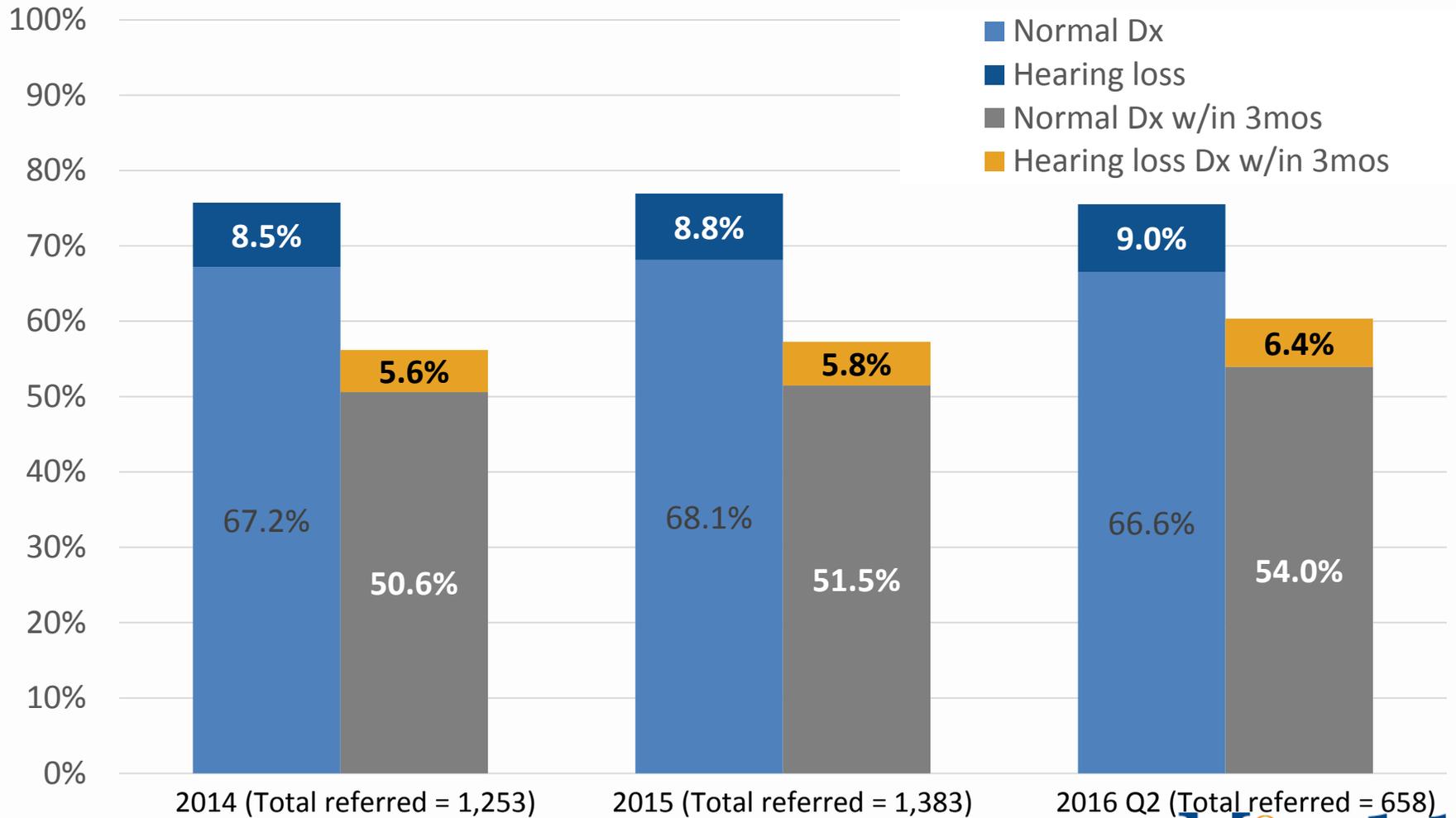
Year	Referred infants	Unresp*	Unk	Unable to contact	Family declined	Moved/ Non-res.	Others
2011	1223	639	0	0	1	33	25
2012	1287	623	1	0	2	26	63
2013	1363	395	0	4	16	38	41
2014	1253	97	97	14	53	34	9
2015 (Prelim.)	1383	83	136	29	32	27	12

* Category definition changed for 2014 CDC HSFS

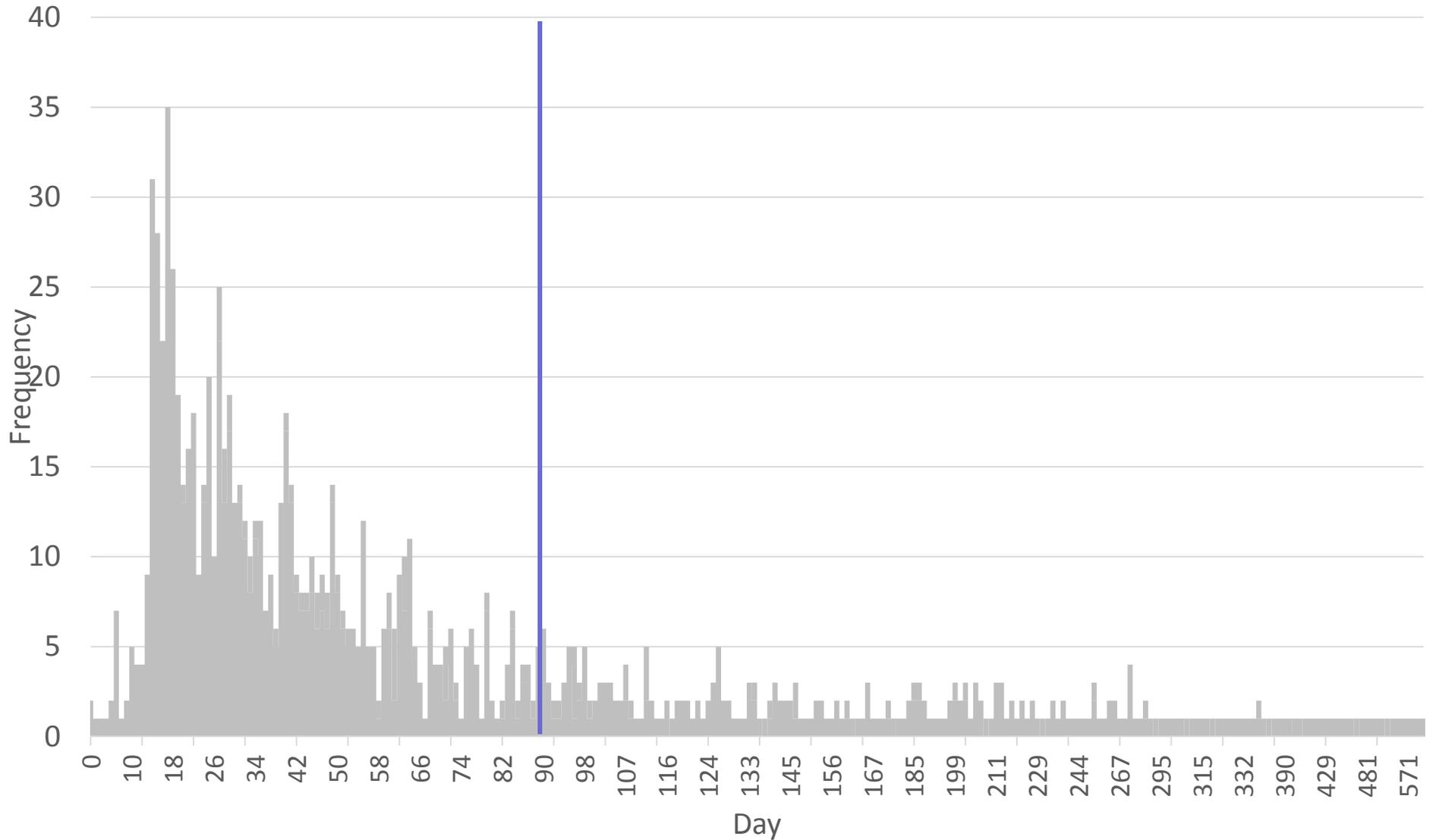
Lost to Follow-up Rate by County, Preliminary 2015



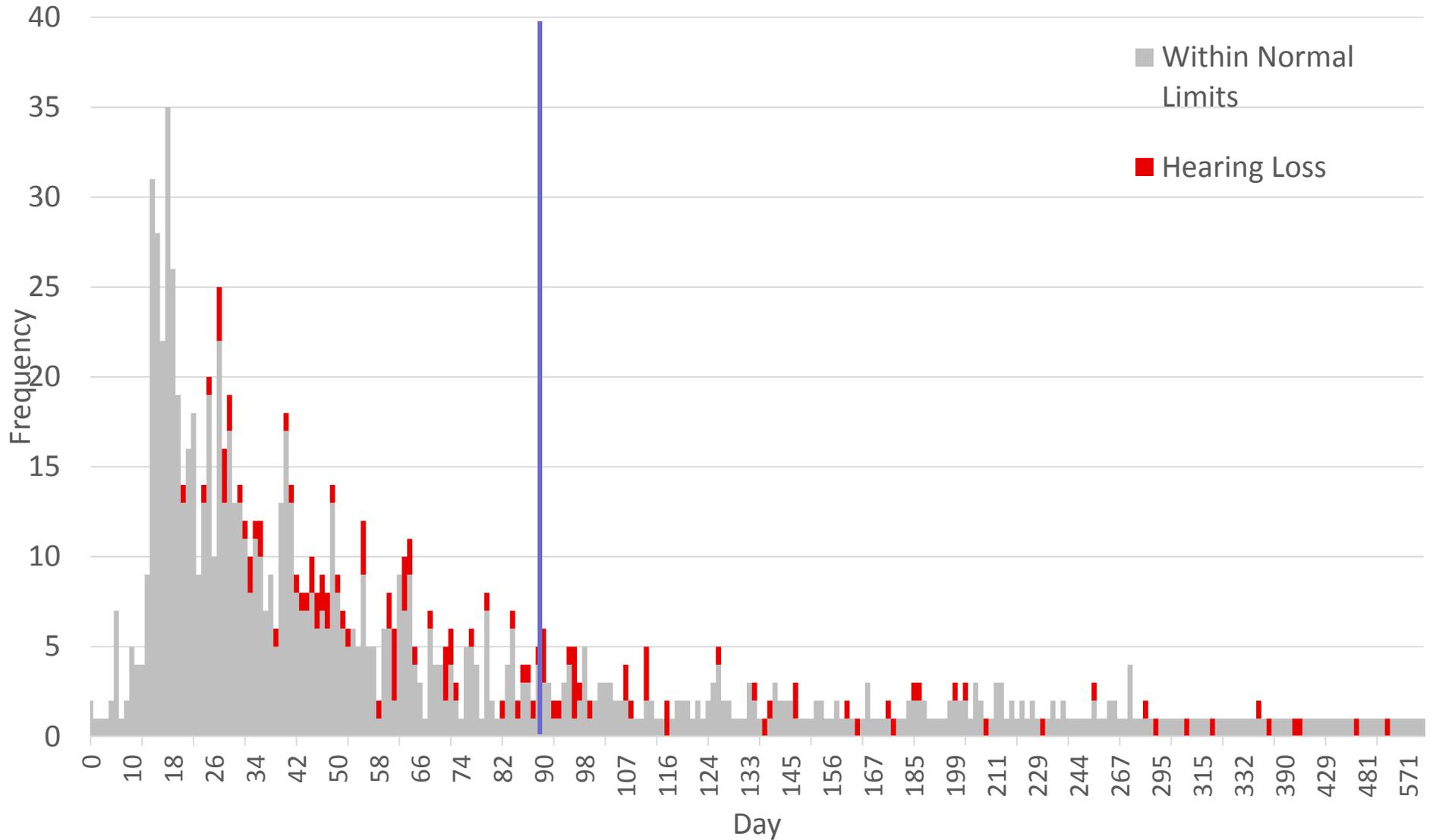
Diagnostic trends 2014-2016: Percent Referred Babies with...



Days to Complete Diagnosis among Referred Children, Birth Cohort 2015



Days to Complete Diagnosis by Hearing Loss Status, Birth Cohort 2015

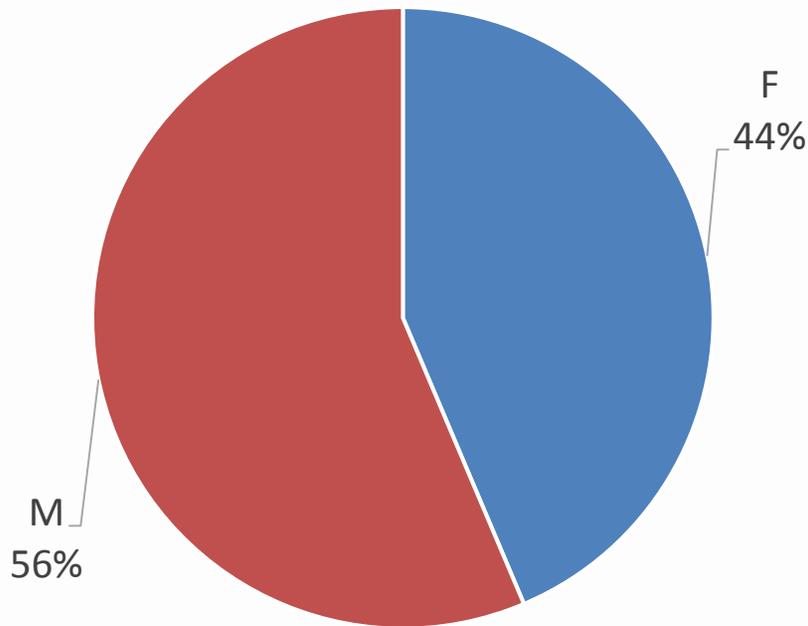


Diagnostic tail analysis Demographic Comparison, 2015:

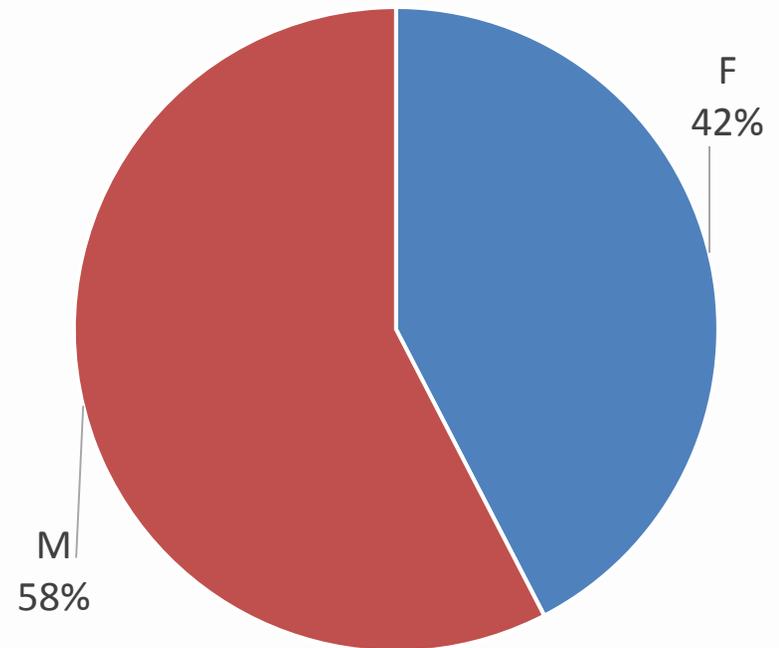
Timely Diagnosis vs Late Diagnosis

Demographic Characteristics: Sex

Timely Diagnosis, 2015

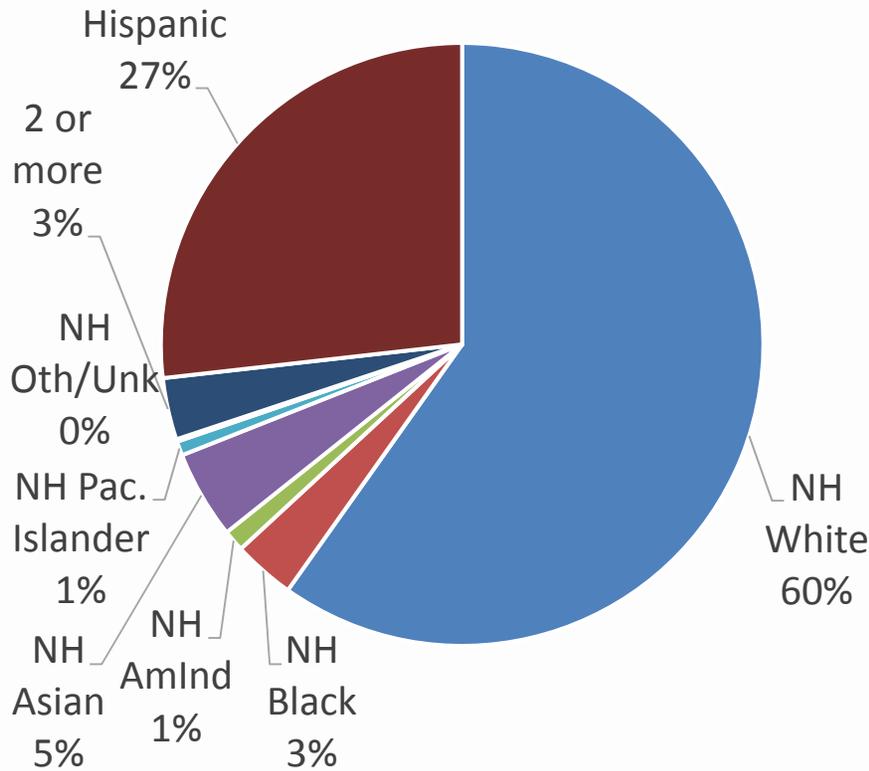


Late Diagnosis, 2015

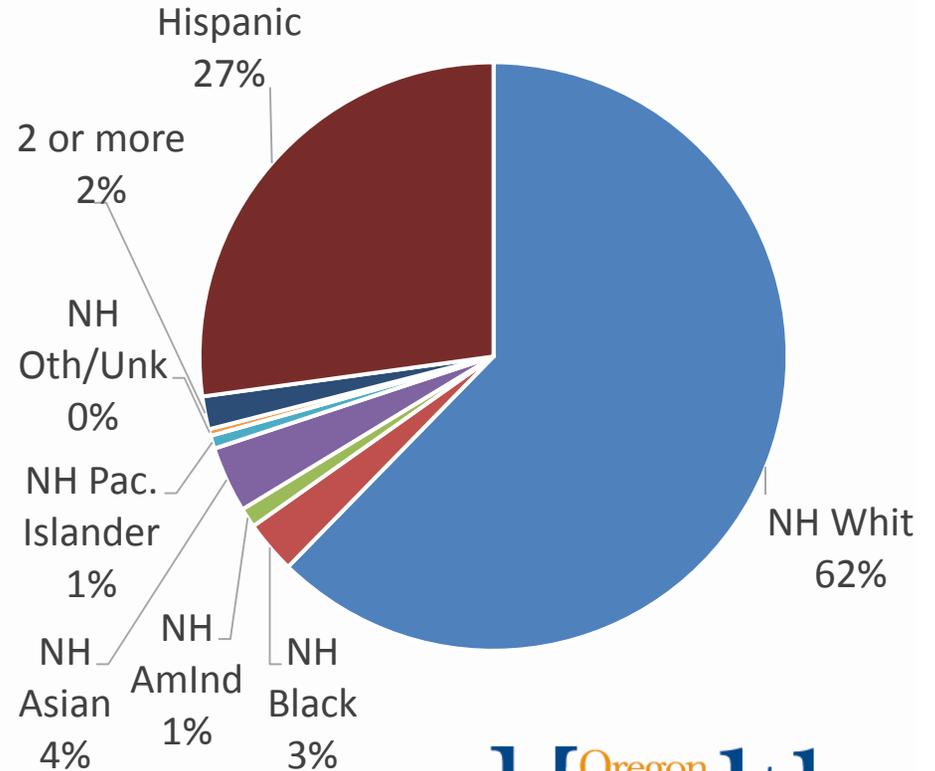


Demographic Characteristics: Race and Ethnicity

Timely Diagnosis, 2015

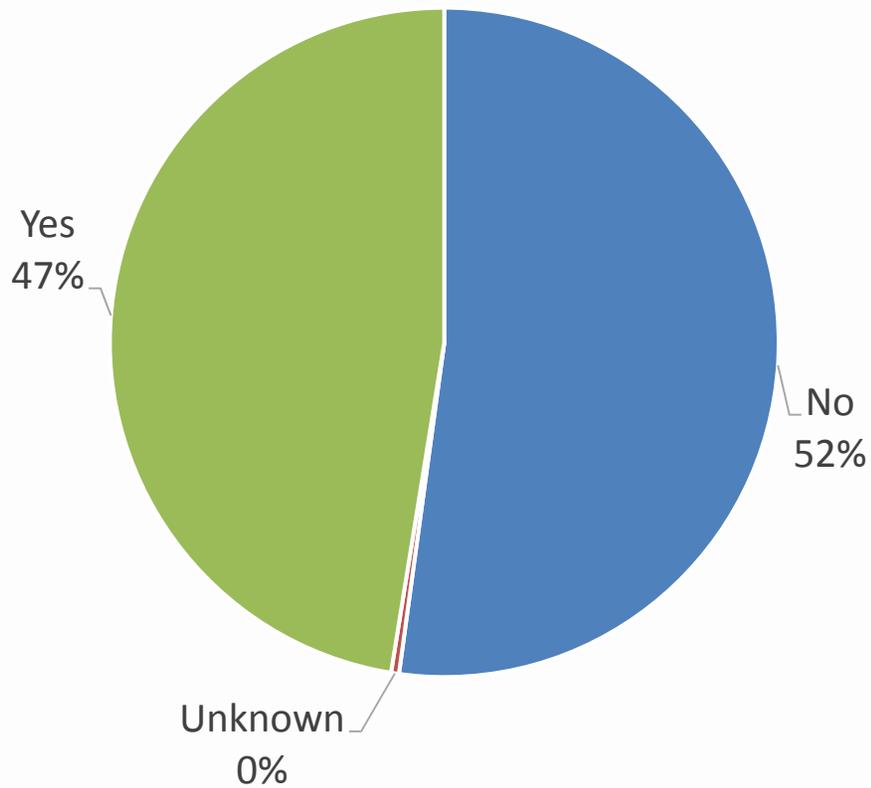


Late Diagnosis, 2015

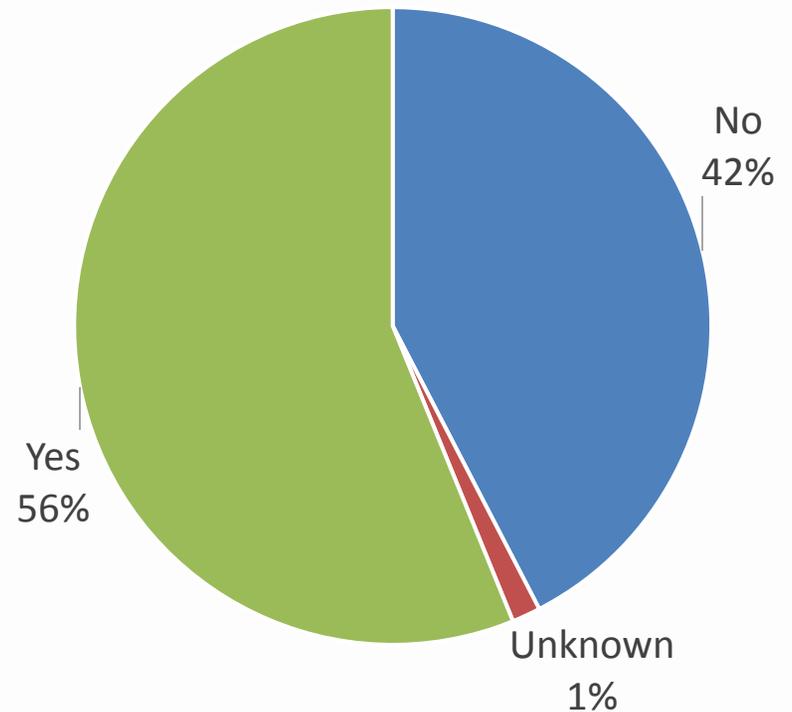


Demographic Characteristics: Mother Received WIC at Delivery

Timely Diagnosis, 2015

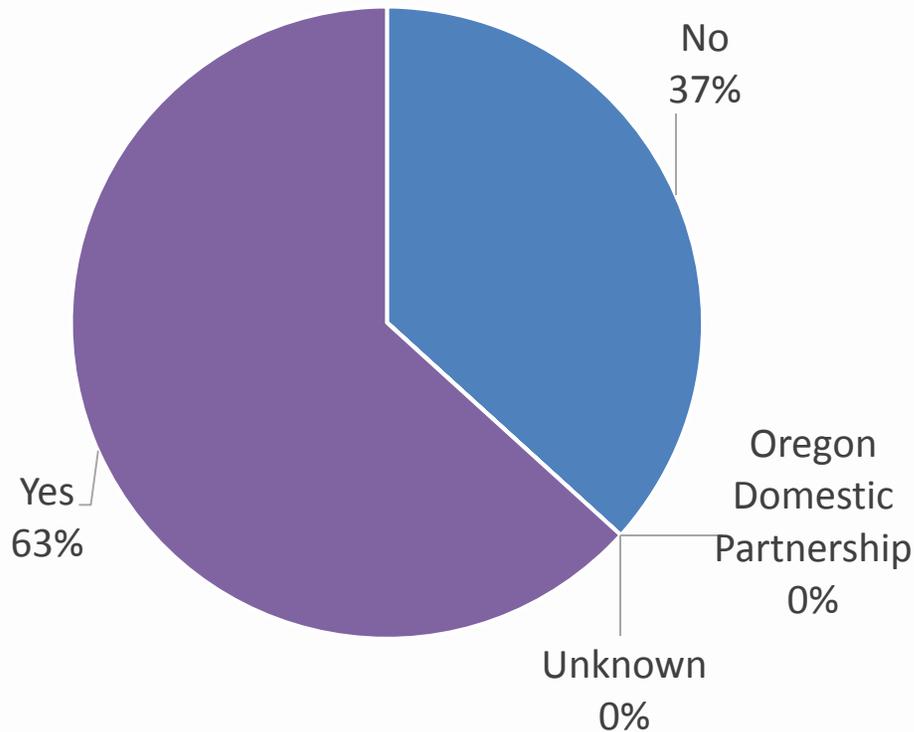


Late Diagnosis, 2015

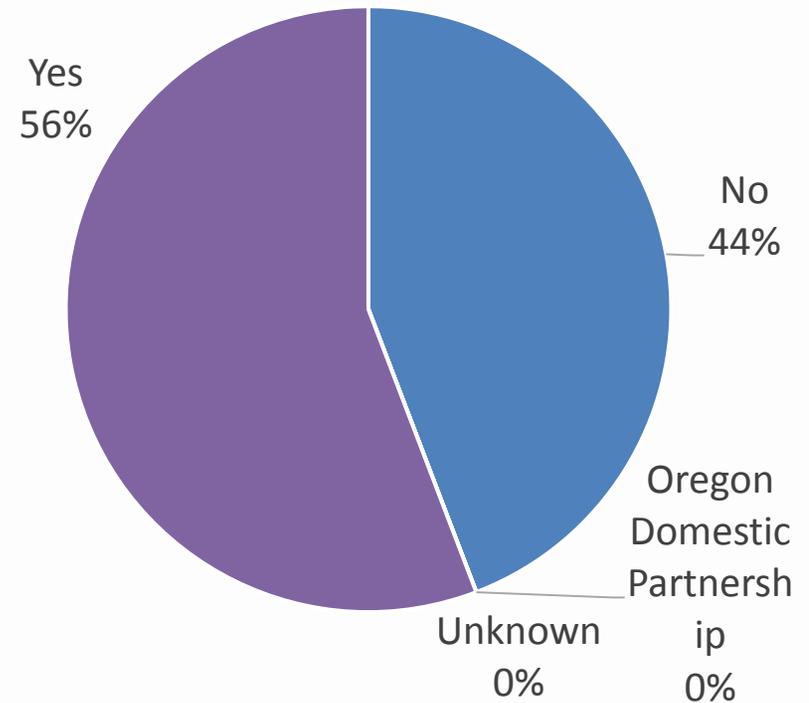


Demographic Characteristics: Marital Status

Timely Diagnosis, 2015

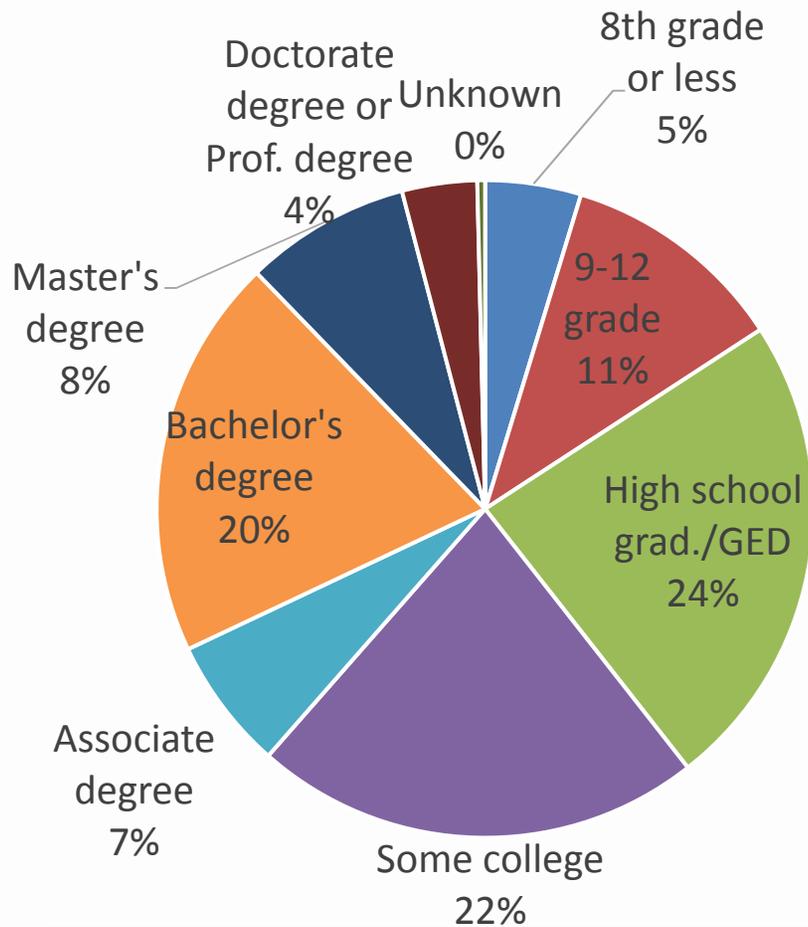


Late Diagnosis, 2015

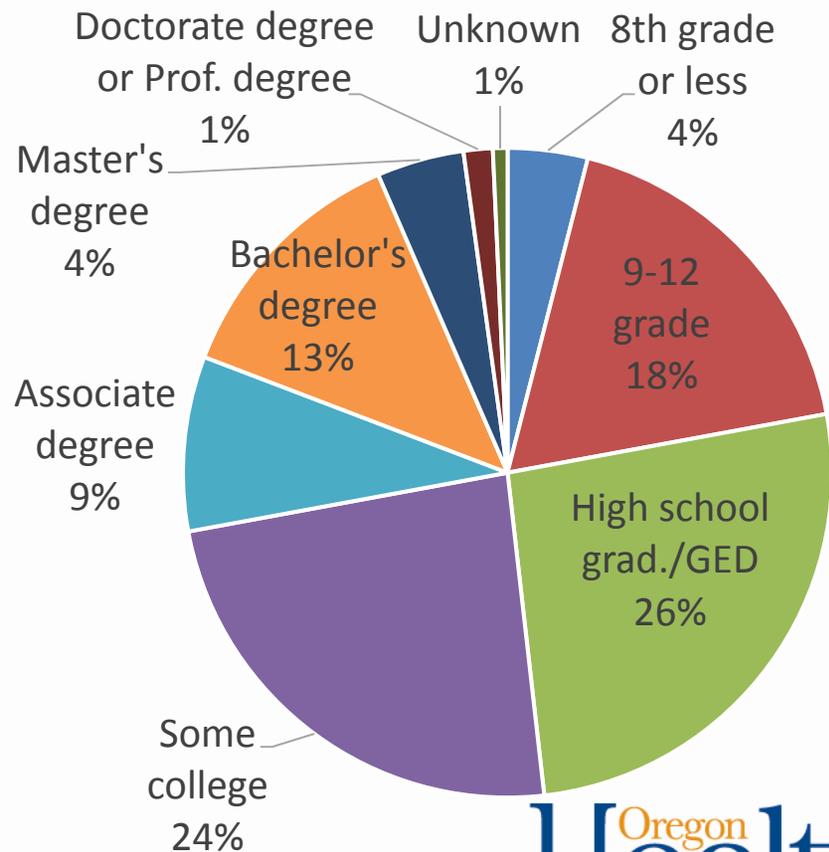


Demographic Characteristics: Education

Timely Diagnosis, 2015

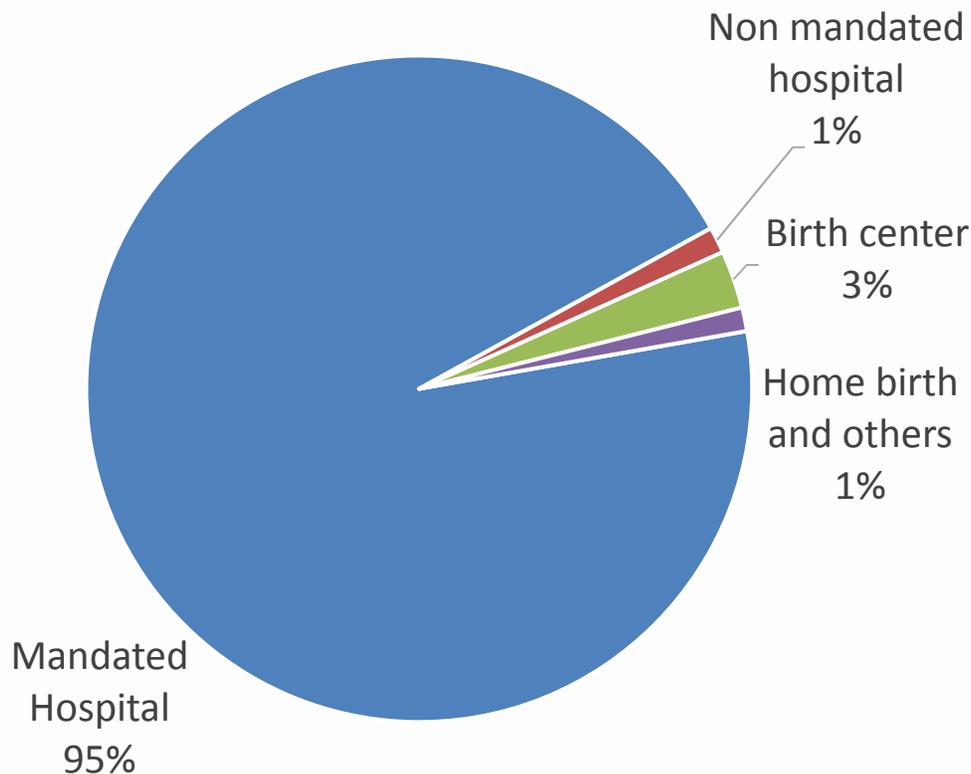


Late Diagnosis, 2015

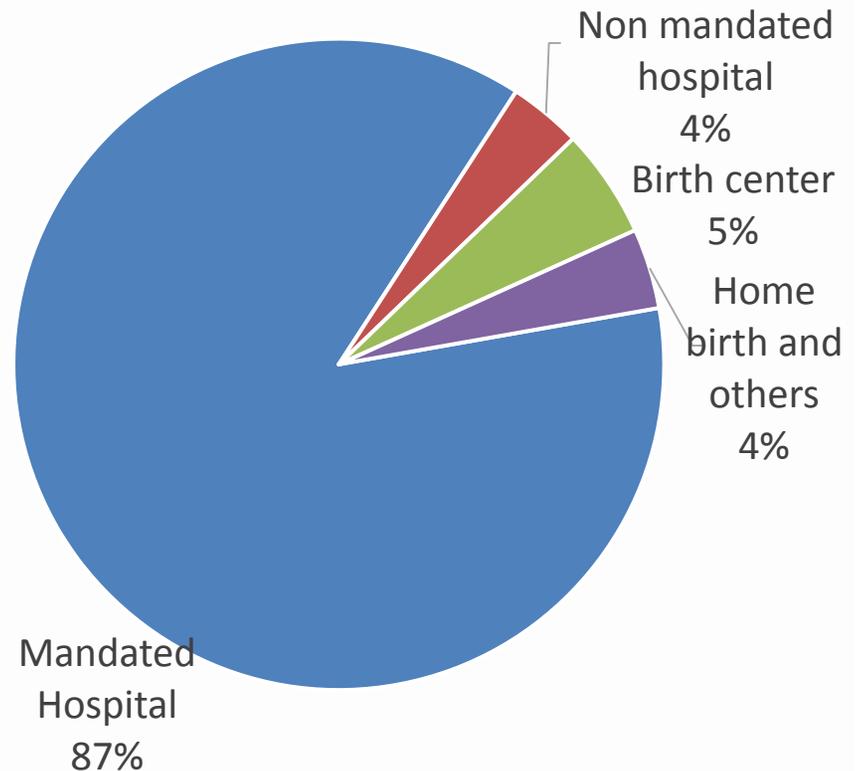


Demographic Characteristics: Birth Facility Type

Timely Diagnosis, 2015

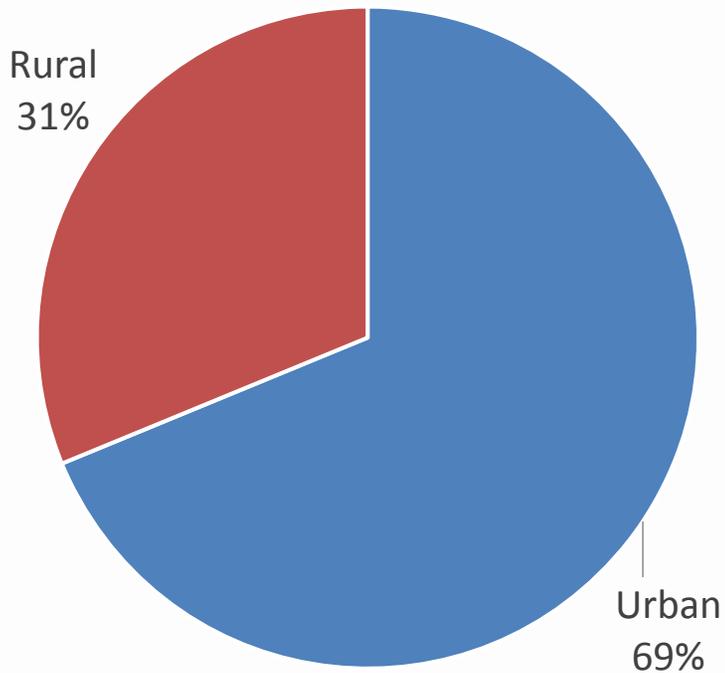


Late Diagnosis, 2015

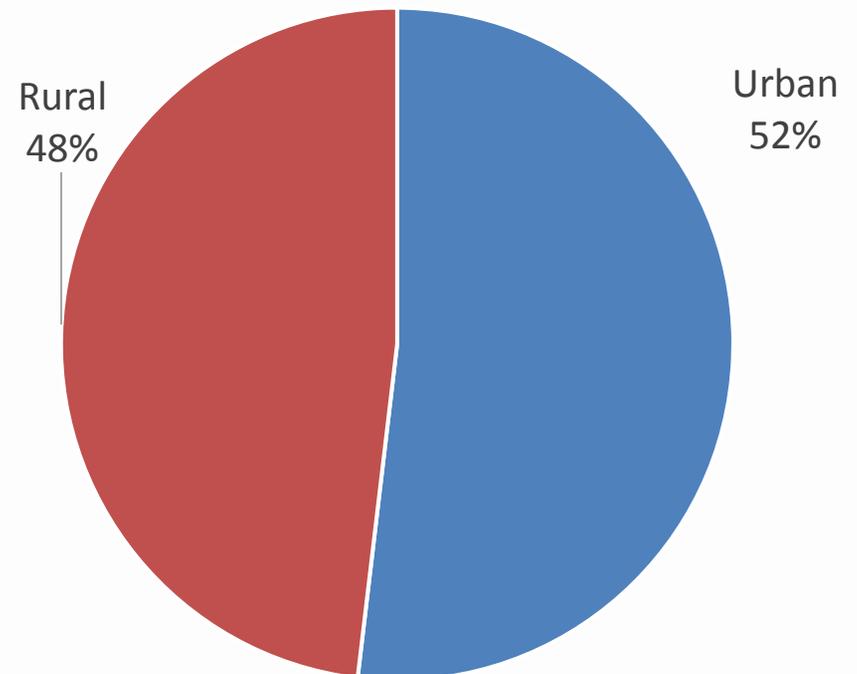


Demographic Characteristics: Rural/Urban

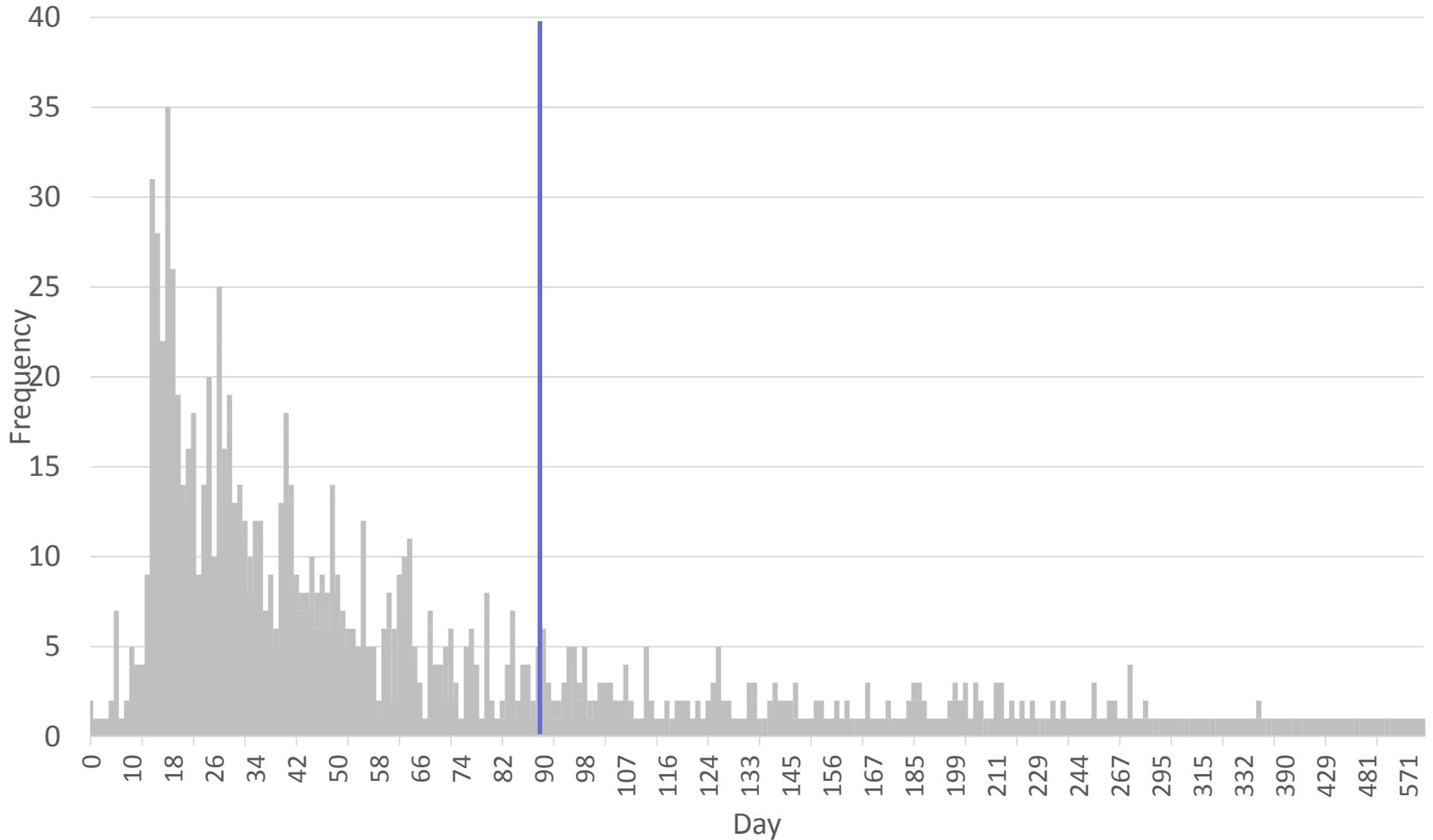
Timely Diagnosis, 2015



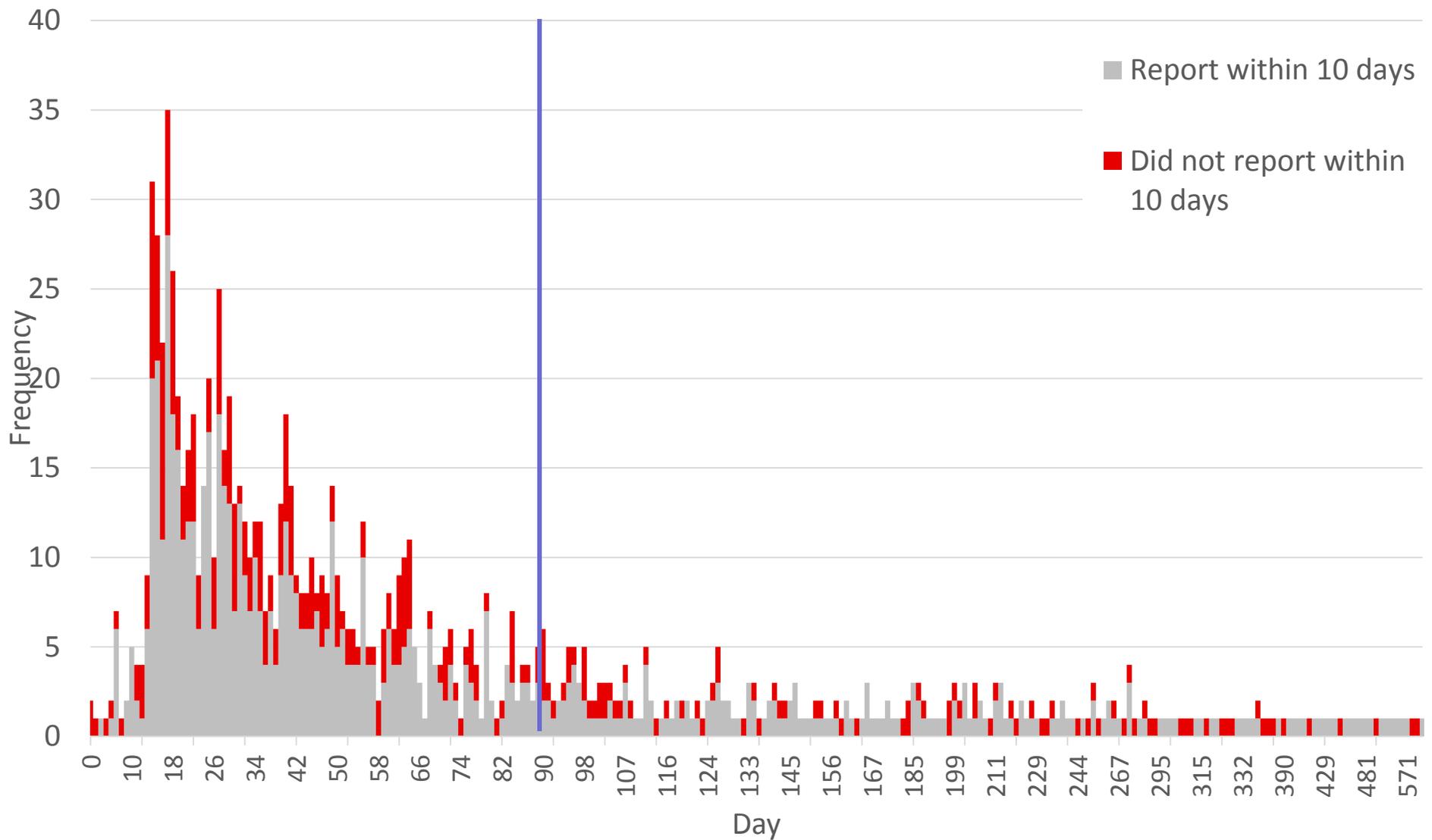
Late Diagnosis, 2015



Days to Complete Diagnosis among Referred Children, Birth Cohort 2015



Days to Complete Diagnosis by Timeliness of Report, Birth Cohort 2015



Reporting Differences by Hearing Loss Status?

Hearing Loss Status	Timely Reporting	Late Reporting
Hearing Loss	11.1%	10.2%
Within Normal Limits	88.9%	89.8%

THREE

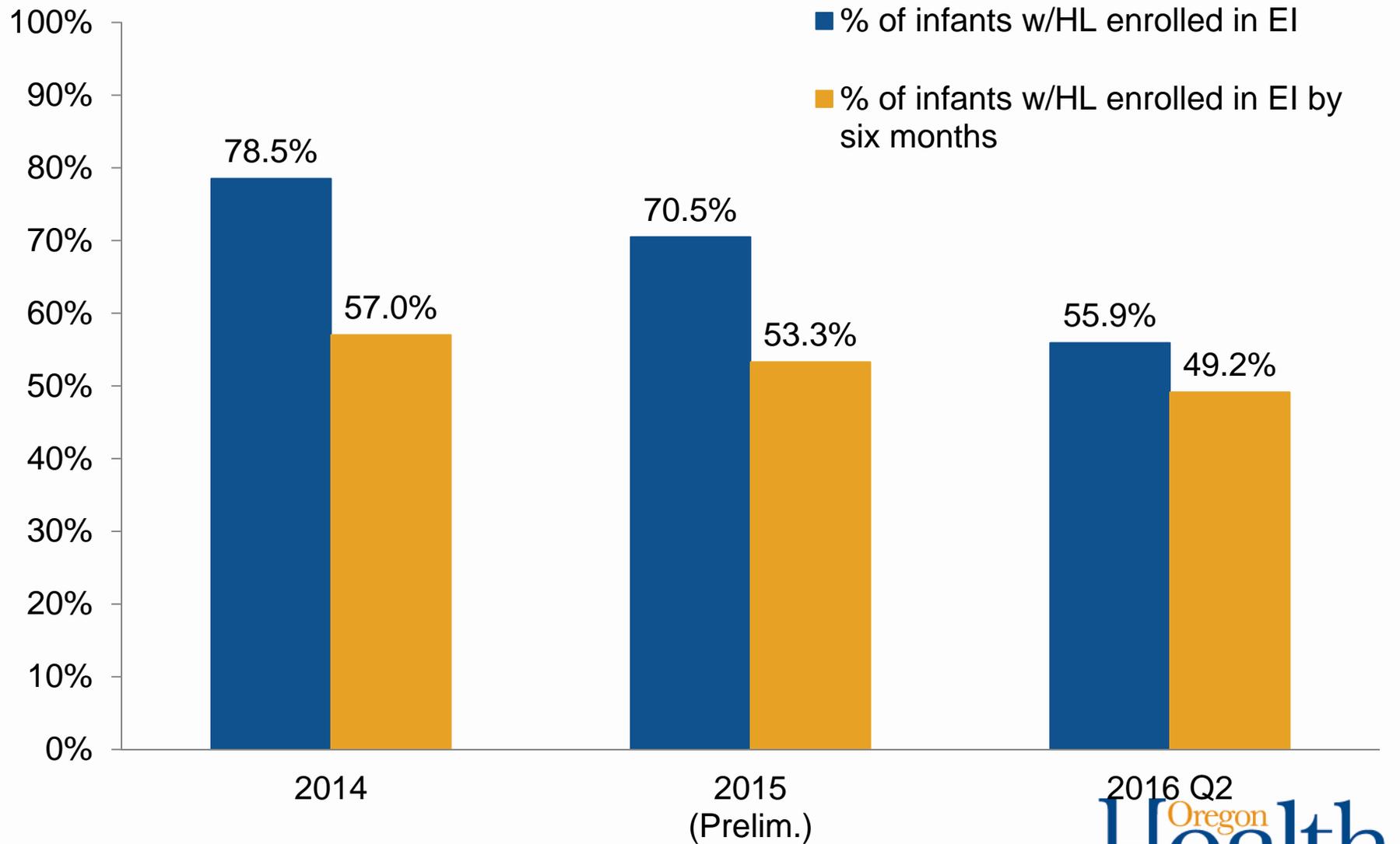
Diagnostic follow up by region: 2014-2016

Percent of referred infants with diagnostic follow up by region of birth	2014		2015 (Prelim)		2016 Q2	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	947	75.6%	1060	76.6%	495	75.2%
Multnomah, Hood River, Wasco	321	85.4%	381	82.6%	169	82.4%
Columbia, Clatsop, Tillamook, Washington	107	88.4%	139	84.2%	87	88.8%
Clackamas	35	62.5%	103	89.6%	73	90.1%
Lane	125	78.1%	63	74.1%	18	58.1%
Yamhill, Polk, Marion	125	81.7%	145	83.3%	75	79.8%
Douglas, Josephine, Jackson, Klamath, Lake	49	39.8%	70	45.2%	20	33.3%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	27	46.6%	17	43.6%	4	28.6%
Benton, Linn, Lincoln, Coos, Curry	46	79.3%	40	69.0%	19	70.4%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	112	75.7%	102	77.9%	30	62.5%

Infants with hearing loss by region: 2015-2016

Hearing loss by year of birth and region	2015			2016 Q2		
	Total Births	Exp. Hearing Loss Pop.	Obs. Hearing Loss Pop.	Total Births	Exp. Hearing Loss Pop.	Obs. Hearing Loss Pop.
Total	45,969	46 - 138	116	22,736	23 - 68	54
Multnomah, Hood River, Wasco	11,676	12 - 35	43	5,709	6 - 17	<10
Columbia, Clatsop, Tillamook, Washington	7,157	7 - 21	17	3,479	3 - 10	<10
Clackamas	4,571	5 - 14	<10	2,321	2 - 7	<10
Lane	3,893	4 - 12	10	1,915	2 - 6	<10
Yamhill, Polk, Marion	6,150	6 - 18	17	3,123	3 - 9	<10
Douglas, Josephine, Jackson, Klamath, Lake	5,190	5 - 16	<10	2,519	3 - 8	<10
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2,392	2 - 7	<10	1,184	1 - 4	<10
Benton, Linn, Lincoln, Coos, Curry	3,174	3 - 10	<10	1,631	2 - 5	<10
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	1,766	2 - 5	<10	855	1 - 3	<10

EI enrollment trends: 2014-2016



EI enrollment trends by region: 2014-2016

EI enrollment by year of birth and region	2014		2015 (Prelim.)		2016 Q2	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	82	79.6%	85	73.3%	32	59.3%
Multnomah, Hood River, Wasco	29	80.6%	31	72.1%	12	60.0%
Columbia, Clatsop, Tillamook, Washington	16	80.0%	13	76.5%	<10	40.0%
Clackamas	<10	83.3%	<10	80.0%	<10	100.0%
Lane	<10	75.0%	<10	70.0%	<10	60.0%
Yamhill, Polk, Marion	14	77.8%	12	70.6%	<10	50.0%
Douglas, Josephine, Jackson, Klamath, Lake	<10	80.0%	<10	85.7%	<10	0.0%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	<10	0.0%	<10	33.3%	<10	100.0%
Benton, Linn, Lincoln, Coos, Curry	<10	88.9%	<10	100.0%	<10	100.0%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	<10	100.0%	<10	50.0%	<10	0.0%

Questions??

Thank you!