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# Early Hearing Detection and Intervention (EHDI) Program

*ONE: Screening*

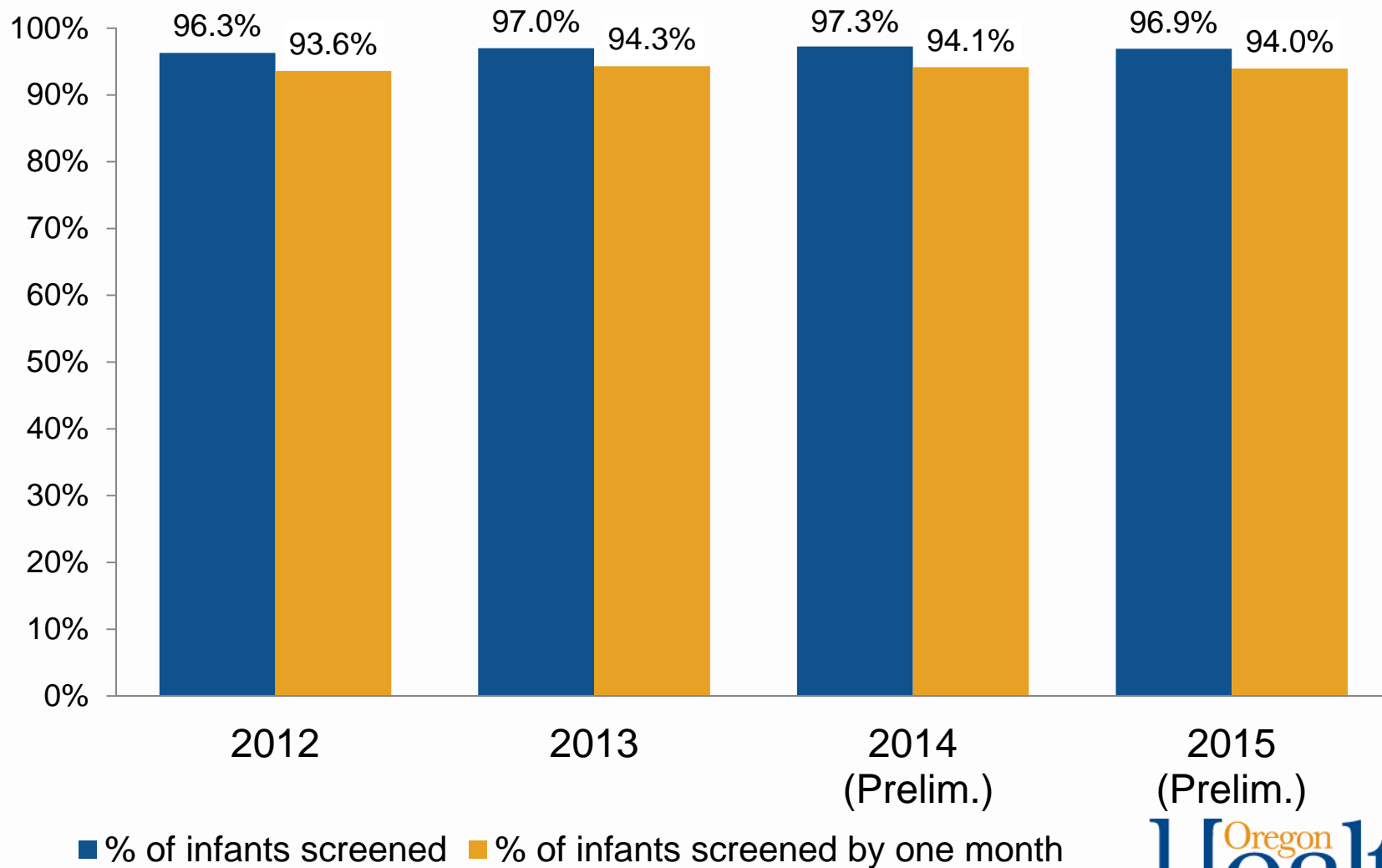
*THREE: Diagnostic Evaluation*

*SIX: Early Intervention*

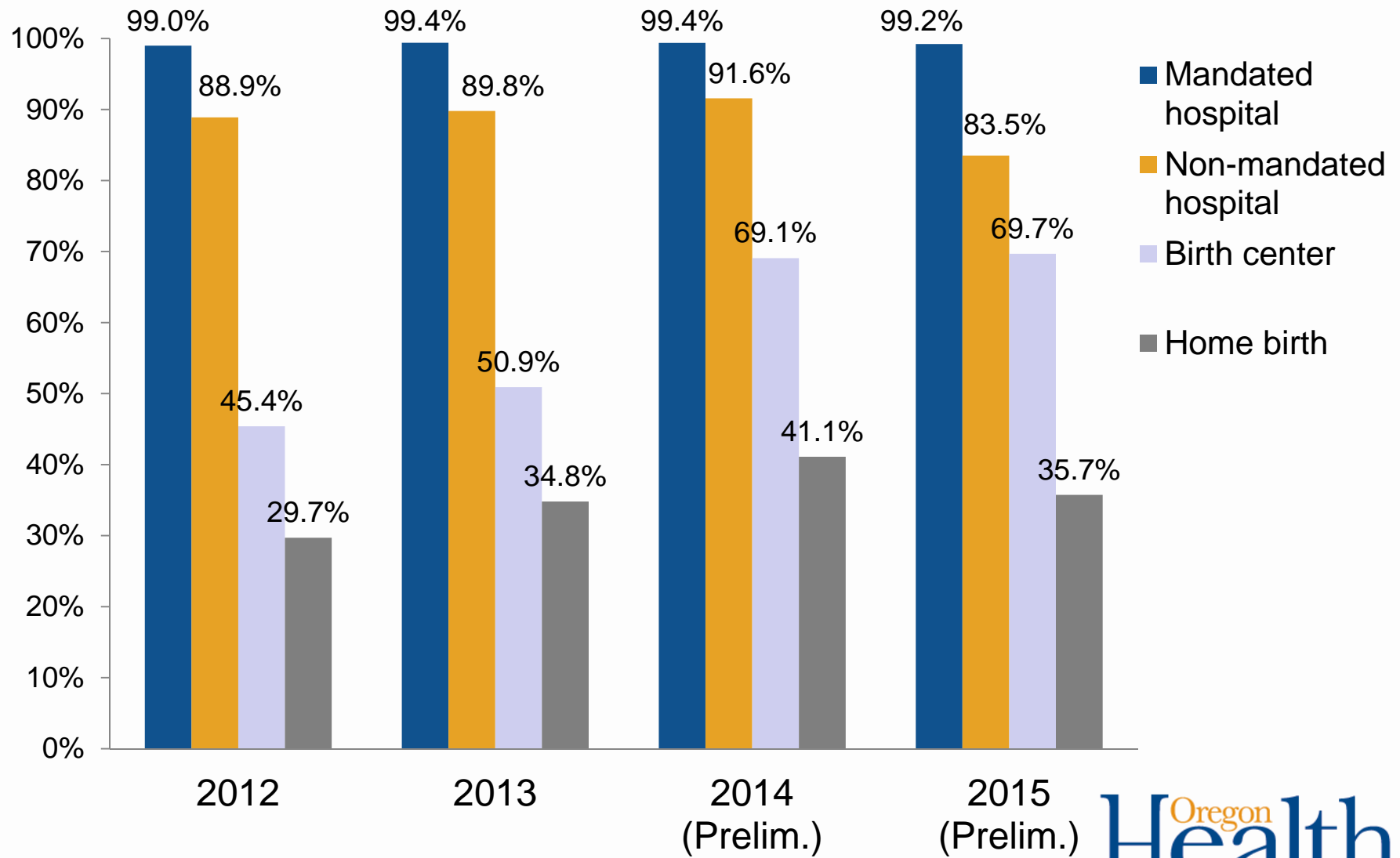
April 2016 Quarterly Data Update



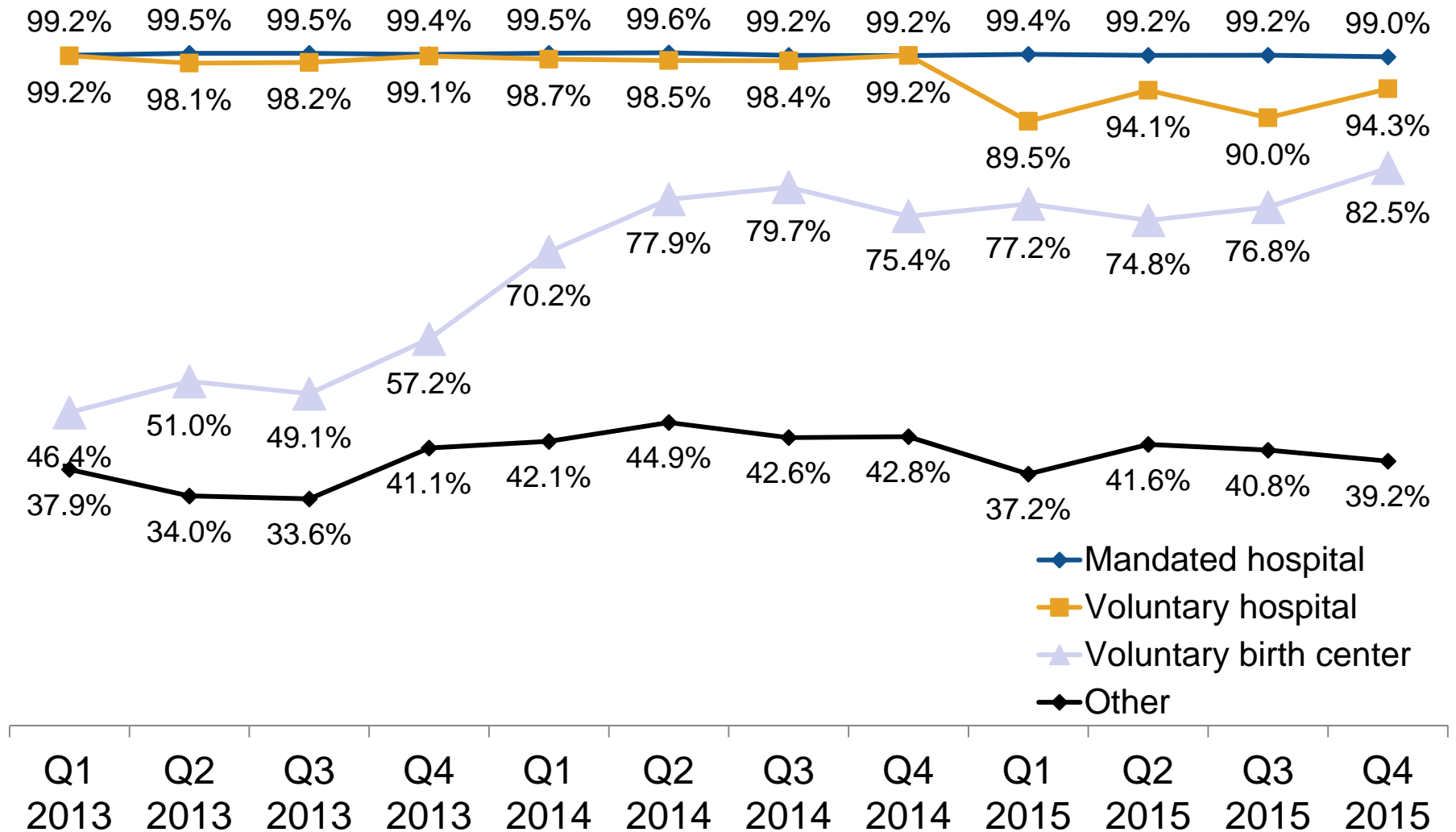
## Screening trends: 2012-2015



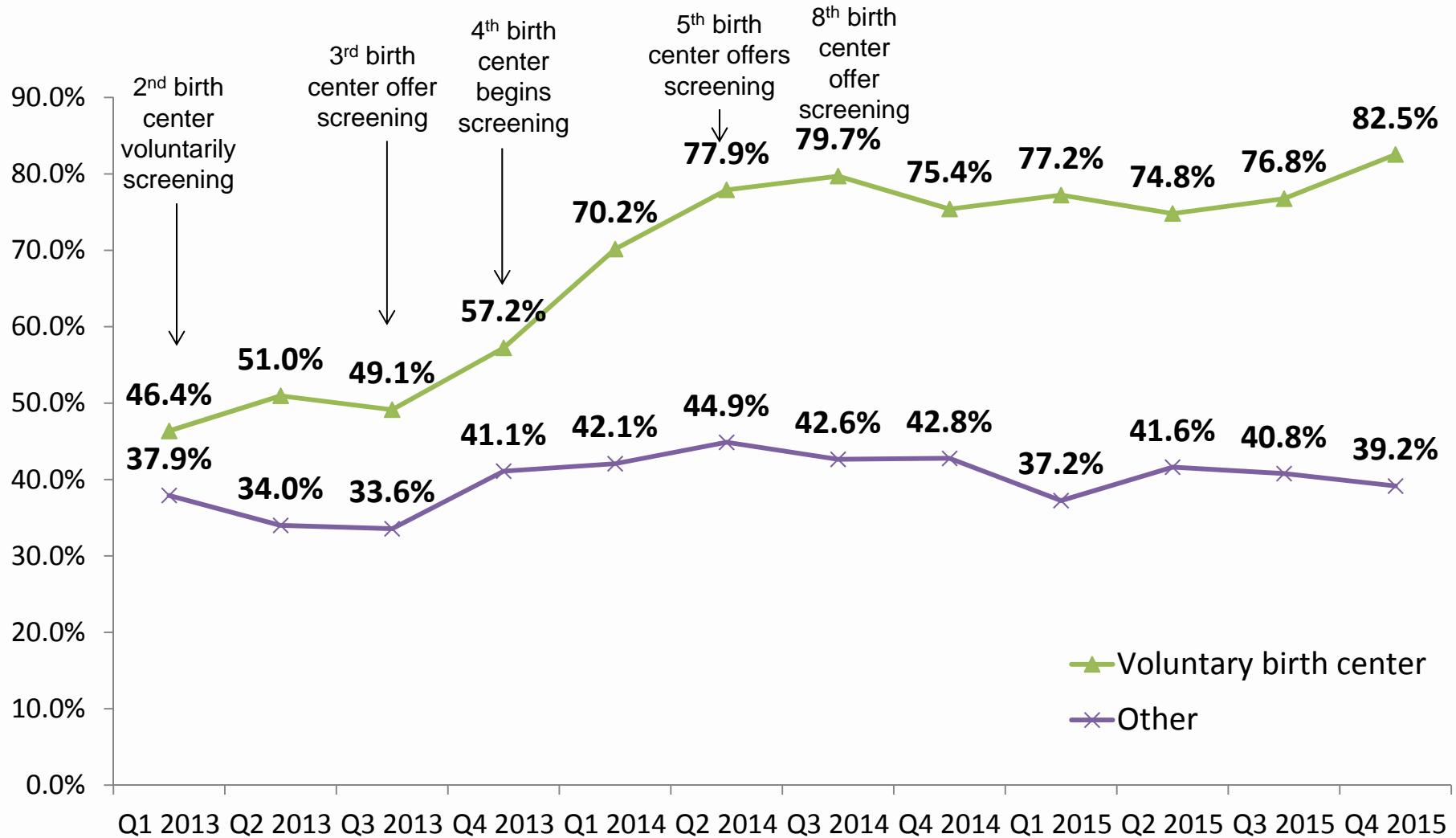
# Screening by birth facility types: 2012-2015



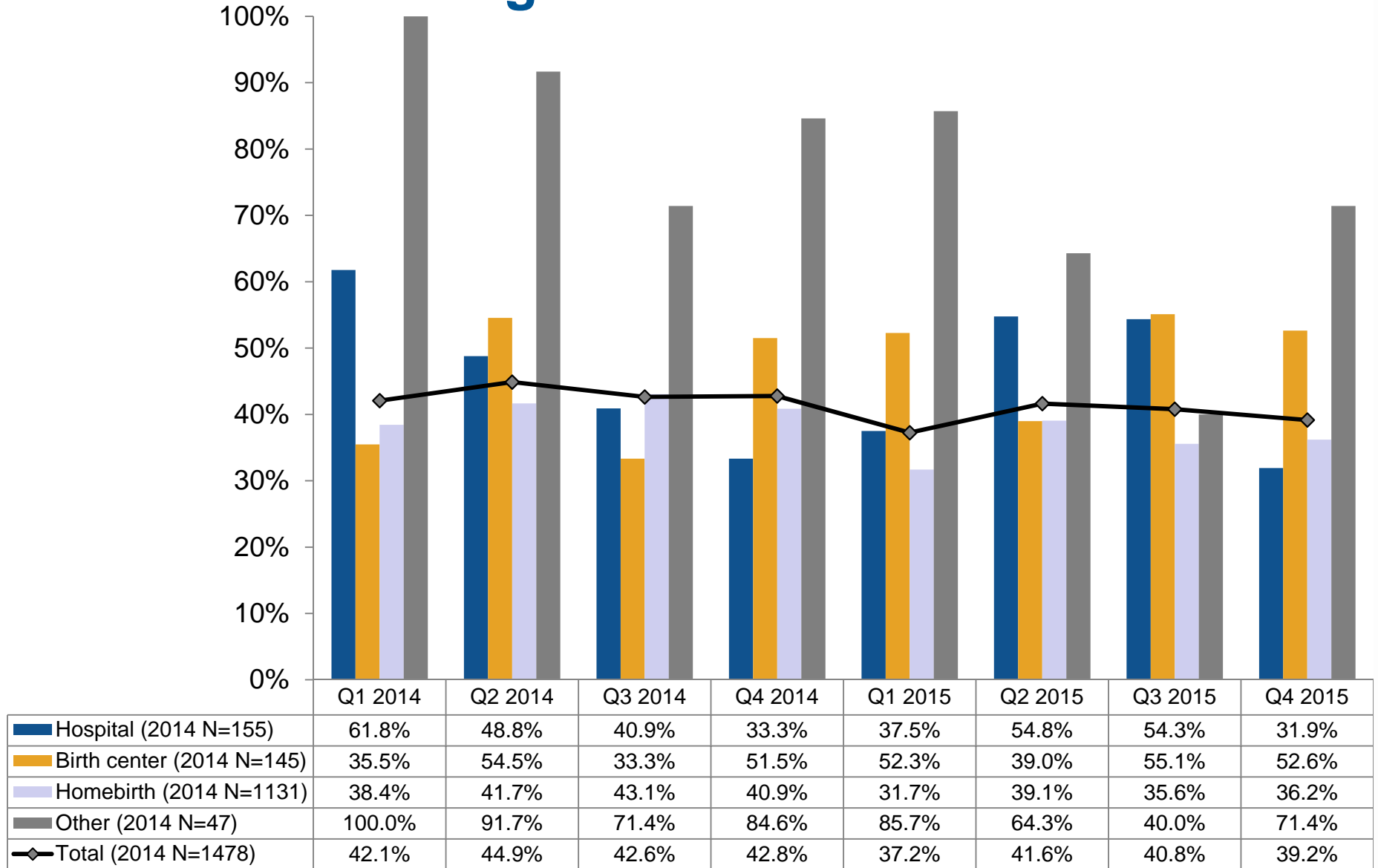
## Screening rates among screening birth facilities: 2013-2015



# Out of Hospital Screening Rates: 2013-2015



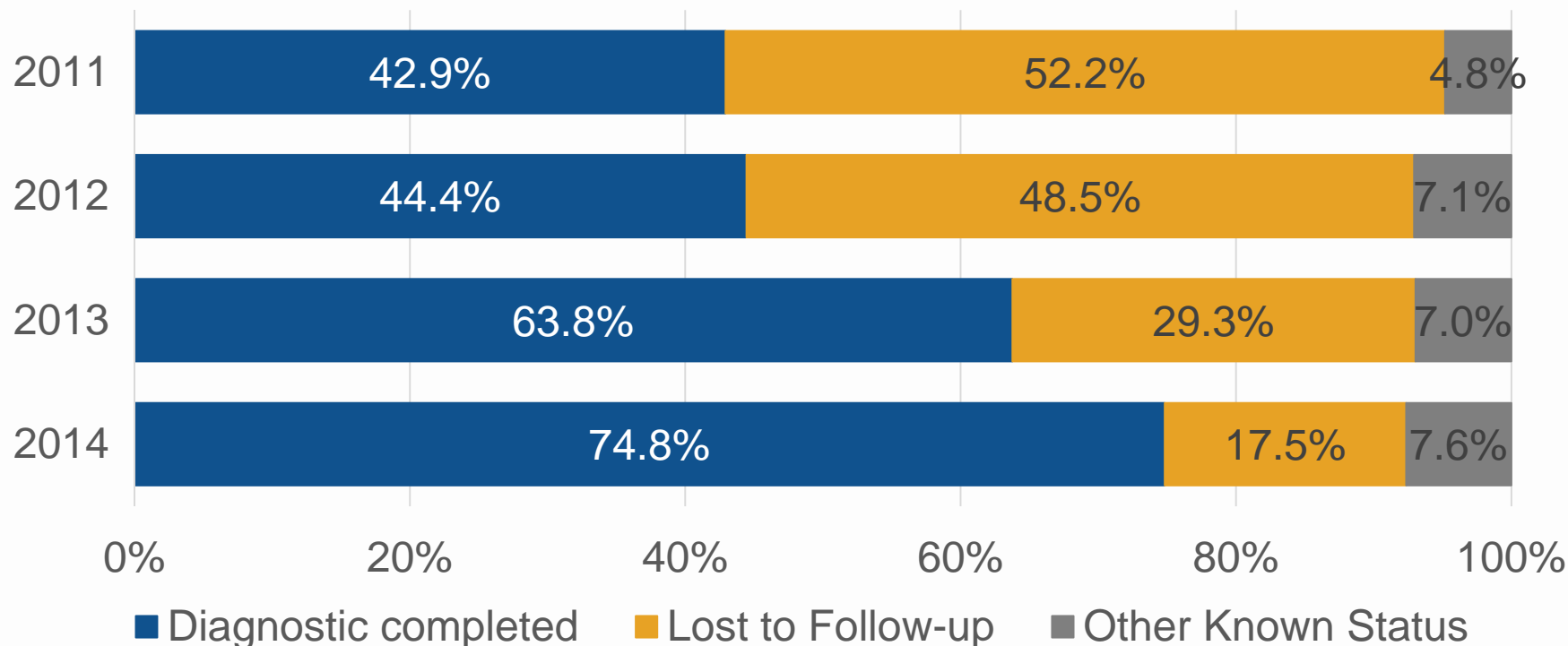
## Screening rates for infants born in non-screening birth facilities: 2014-2015



## Screening results – referred: 2013-2015

Counties grouped by region	2013 (Final)		2014 (Prelim)		2015 (Jan-Sept)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	1367	3%	1254	2.8%	969	2.9%
Multnomah, Hood River, Wasco	233	2%	376	3.3%	334	3.9%
Columbia, Clatsop, Tillamook, Washington	182	3%	120	1.7%	110	2.1%
Clackamas	67	2%	56	1.3%	57	1.7%
Lane	289	8%	160	4.3%	63	2.2%
Yamhill, Polk, Marion	154	3%	153	2.5%	128	2.8%
Douglas, Josephine, Jackson, Klamath, Lake	129	3%	123	2.5%	114	3.1%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	94	4%	58	2.4%	34	1.9%
Benton, Linn, Lincoln, Coos, Curry	94	3%	58	1.9%	40	1.7%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	125	6%	150	8.6%	89	6.9%

## Diagnostic follow-up trends: 2012-2014



Year	Referred infants	Unresponsive*	Unknown	Unable to contact	Family declined	Moved/ Non-resident	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	1277	103	125	14	52	33	11

\* Category definition changed for 2014 CDC HSFS



## Diagnostic follow-up: 2014 (prelim.)

Diagnostic follow-up		Initial Dx	Most Recent Dx	Net Change
Known Status	Completed DX	939	928	11
	In process	1	1	0
	Medical reason	2	2	0
	Moved out of state/ Non-residents	33	33	0
	Infant died	7	7	0
	Parents declined	52	53	1
	PCP not referred	1	1	0
Lost to follow up	Contacted but unresponsive	101	107	6
	Unable to contact	14	15	1
	Unknown	105	108	3

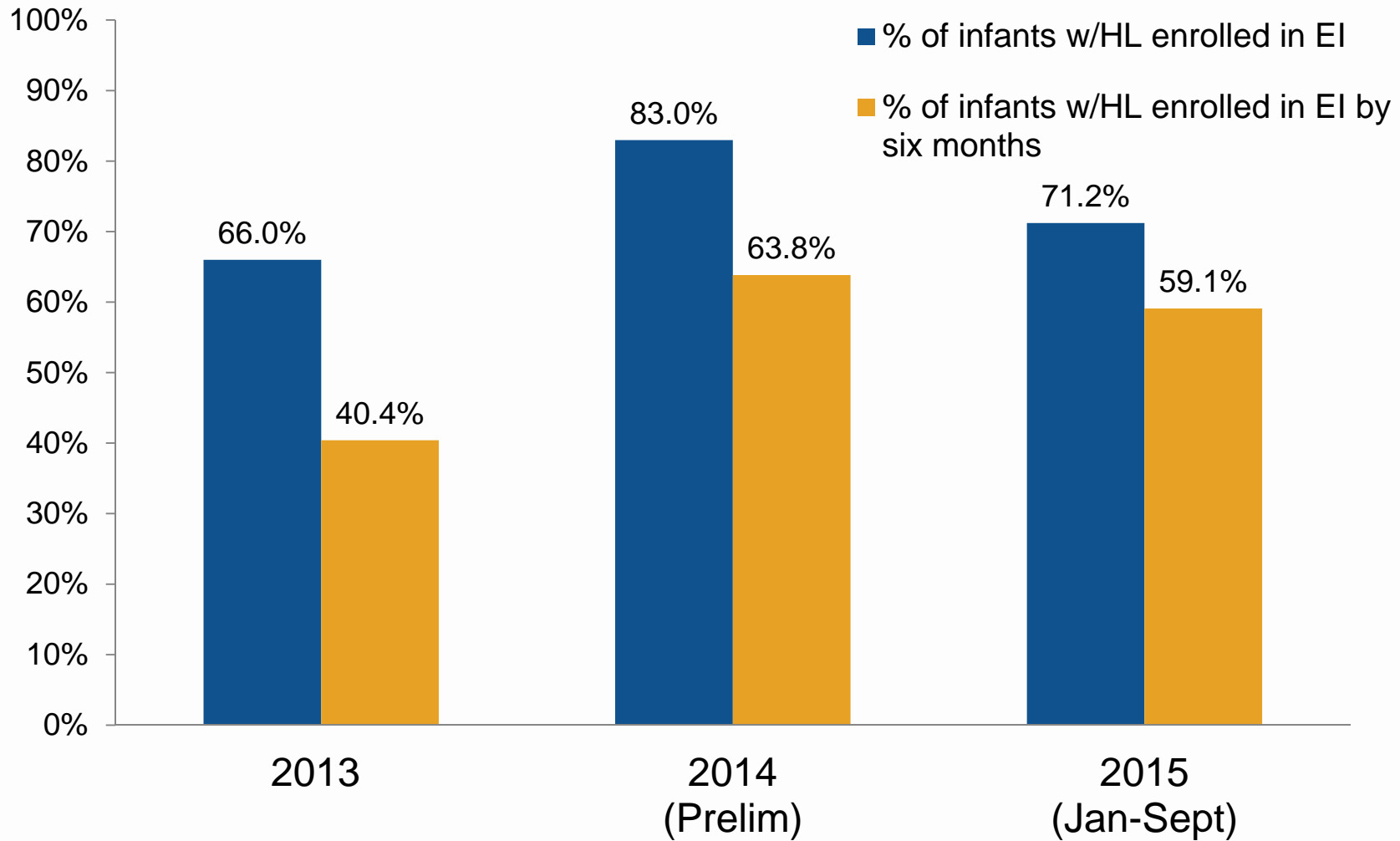
## Diagnostic follow up by region: 2013-2015

Resident counties grouped by region	2013 (Final)		2014 (Prelim)		2015 (Jan-Jun)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	838	61%	927	73.9%	634	65.4%
Multnomah, Hood River, Wasco	146	63%	317	84.3%	249	74.6%
Columbia, Clatsop, Tillamook, Washington	146	80%	103	85.8%	76	69.1%
Clackamas	44	66%	35	62.5%	42	73.7%
Lane	204	71%	124	77.5%	38	60.3%
Yamhill, Polk, Marion	117	76%	120	78.4%	98	76.6%
Douglas, Josephine, Jackson, Klamath, Lake	37	29%	47	38.2%	37	32.5%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	31	33%	28	48.3%	10	29.4%
Benton, Linn, Lincoln, Coos, Curry	43	46%	44	75.9%	21	52.5%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	70	56%	109	72.7%	63	70.8%

## Infants with hearing loss by region: 2013-2015

Resident counties grouped by region	2013 (Final)		2014 (Prelim)		2015 (Jan-Sept)	
	Total births	Hearing loss	Total births	Hearing loss	Total births	Hearing loss
Total	45,457	94	45,972	94	34,725	66
Multnomah, Hood River, Wasco	11,430	33	11,654	36	8,781	26
Columbia, Clatsop, Tillamook, Washington	7,325	20	7,132	17	5,360	11
Clackamas	4,530	<10	4,506	<10	3,431	<10
Lane	3,805	<10	3,934	<10	3,020	<10
Yamhill, Polk, Marion	5,960	<10	6,250	13	4,608	11
Douglas, Josephine, Jackson, Klamath, Lake	5,043	<10	5,132	<10	3,935	<10
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2,360	<10	2,425	<10	1,831	<10
Benton, Linn, Lincoln, Coos, Curry	2,991	<10	3,113	<10	2,406	<10
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	2,013	<10	1,826	<10	1353	<10

## EI enrollment trends: 2013-2015



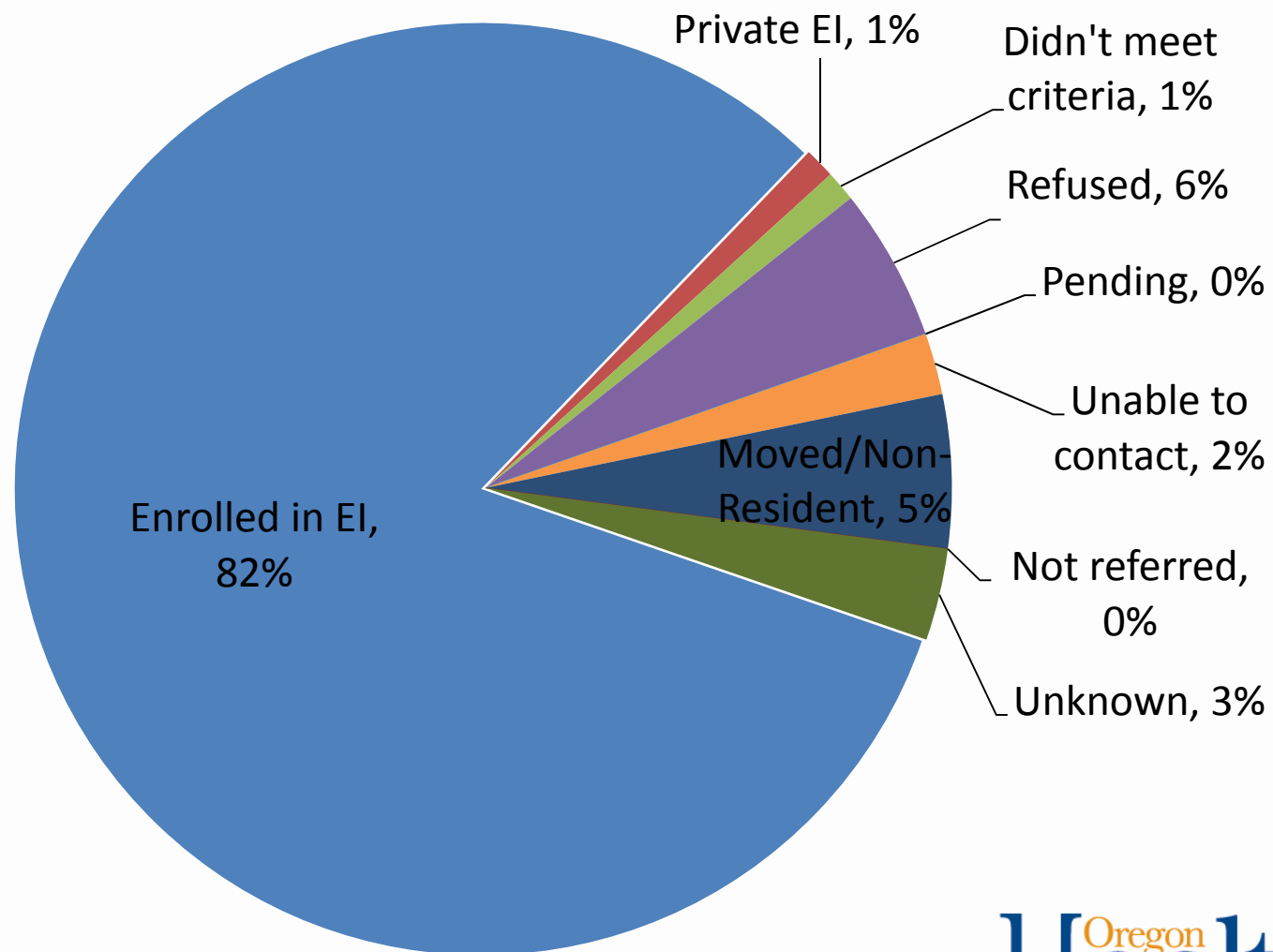
## El enrollment trends by region: 2013-2015

Resident counties grouped by region	2013		2014 (Prelim)		2015 (Jan-Jun)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	62	66%	78	83.0%	47	71.2%
Multnomah, Hood River, Wasco	23	70%	29	80.6%	19	73.1%
Columbia, Clatsop, Tillamook, Washington	14	70%	15	88.2%	<10	63.6%
Clackamas	<10	50%	<10	83.3%	<10	66.7%
Lane	<10	100%	<10	75.0%	<10	57.1%
Yamhill, Polk, Marion	<10	78%	10	76.9%	<10	63.6%
Douglas, Josephine, Jackson, Klamath, Lake	<10	38%	<10	100.0%	<10	100.0%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	<10	0%	<10	33.3%	<10	100.0%
Benton, Linn, Lincoln, Coos, Curry	<10	71%	<10	100.0%	<10	100.0%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	<10	40%	<10	100.0%	<10	100.0%

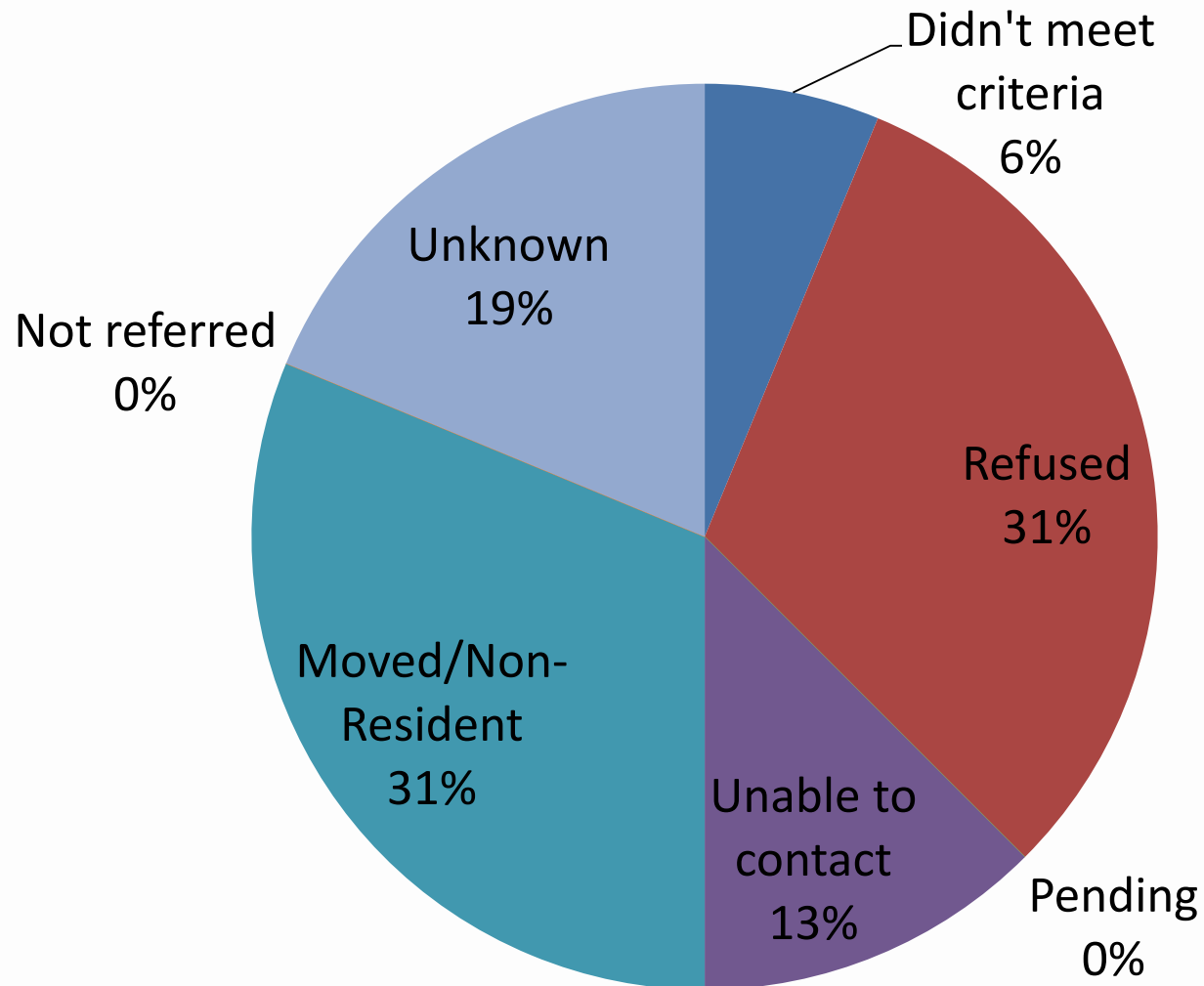
## EI Enrollment Status: 2014 (prelim.)

EI enrollment status	Initial Dx	Most Recent Dx	Net Change
Total (hearing loss)	104	94	10
Enrolled in EI	78	77	1
Private EI	1	1	0
Didn't meet criteria	3	1	2
Refused	7	5	2
Pending	0	0	0
Unable to contact	3	2	1
Moved/Non-residents	6	5	1
Not referred	0	0	0
Unknown	6	3	3

## El Enrollment Status: 2014 (prelim.)



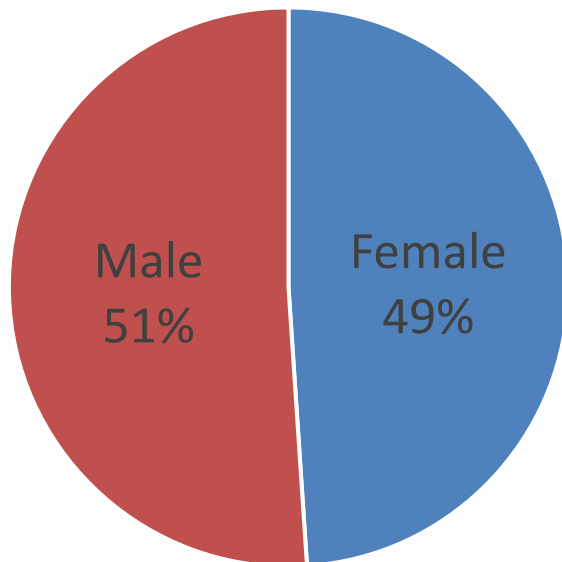
## Reason Not Enrolled in EI: 2014 (prelim.)



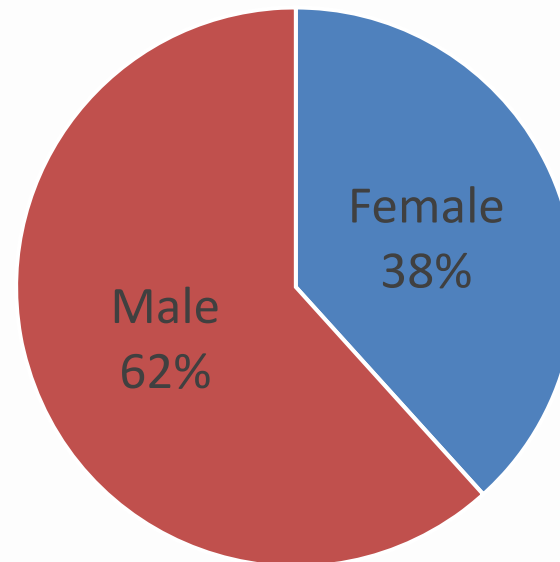


# Demographic Characteristics: Sex

Oregon Births, 2014

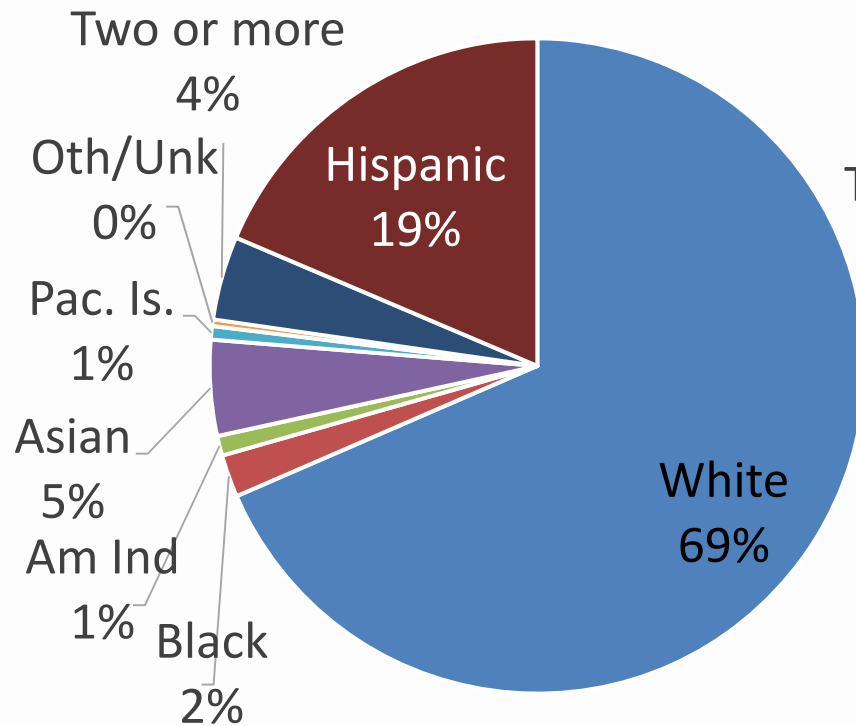


Births with Hearing Loss, 2014

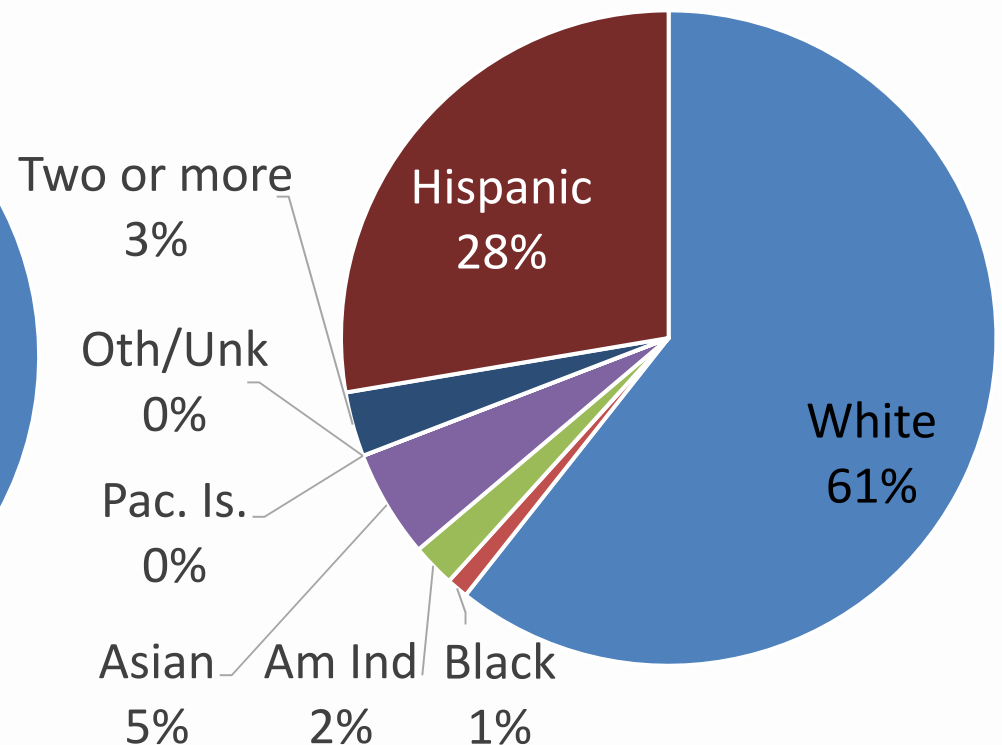


# Demographic Characteristics: Race/Ethnicity

Oregon Births, 2014

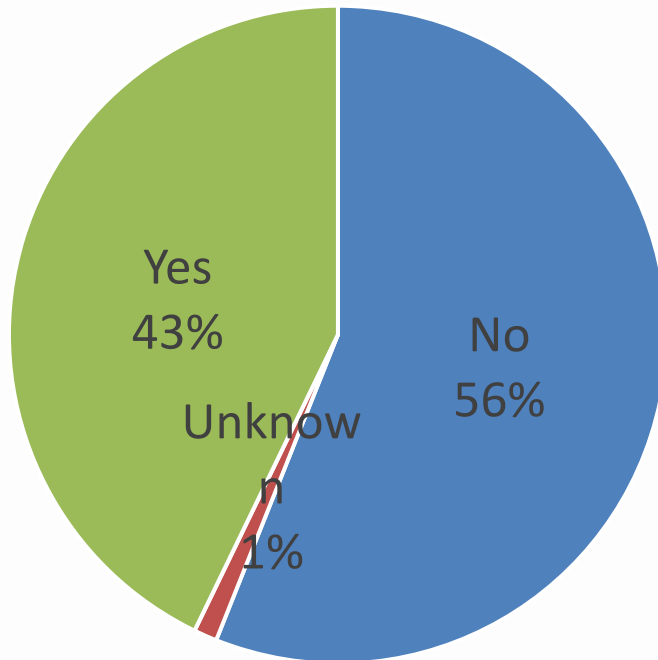


Births with Hearing Loss, 2014

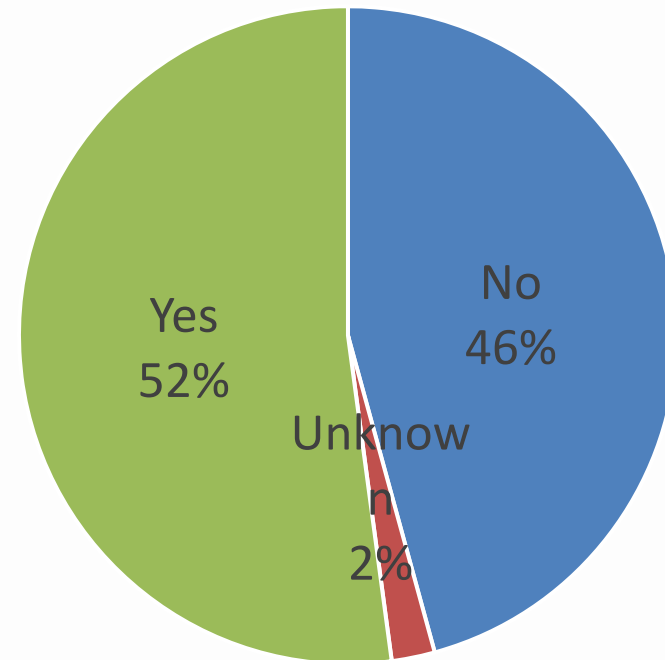


# Demographic Characteristics: Mother received WIC at delivery

Oregon Births, 2014

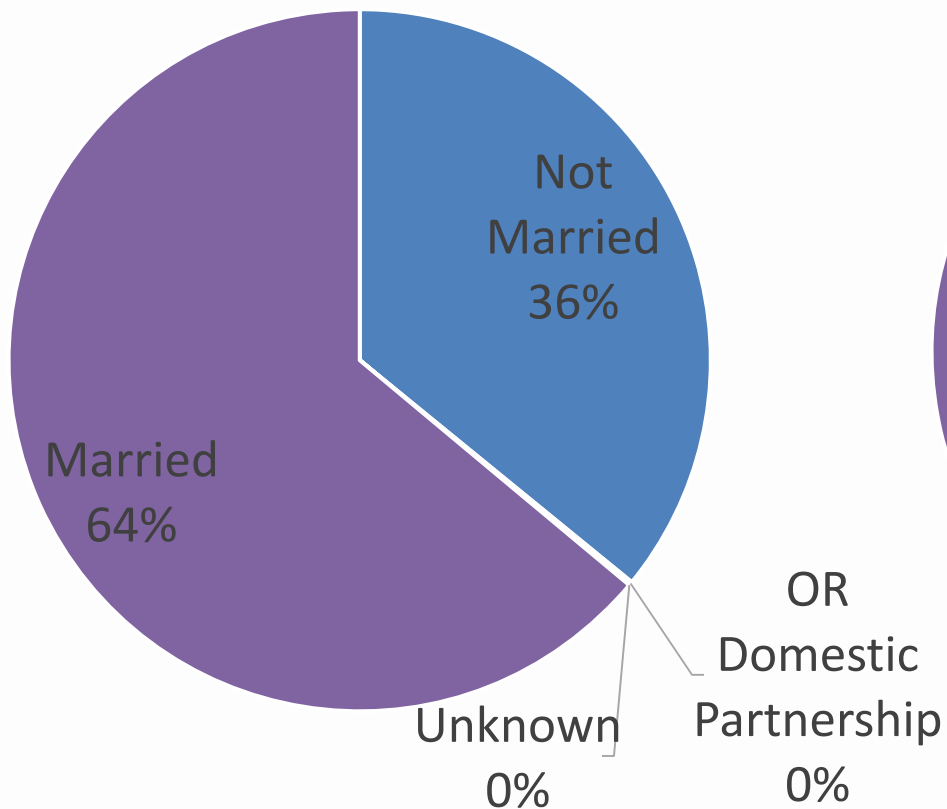


Births with Hearing Loss, 2014

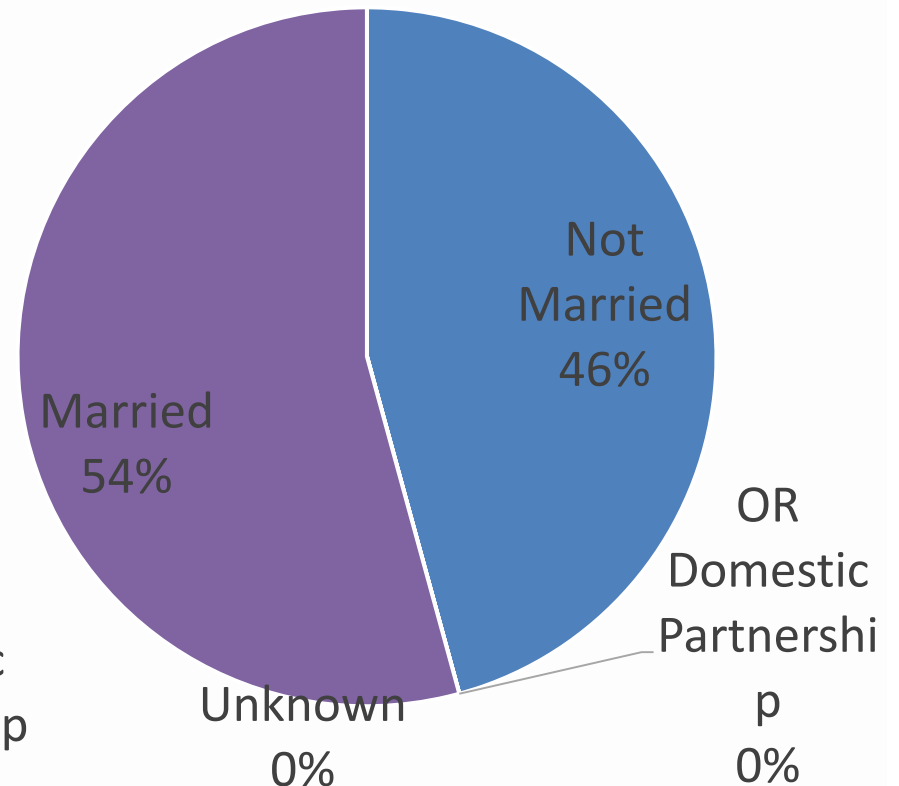


# Demographic Characteristics: Mother's marital status

Oregon Births, 2014

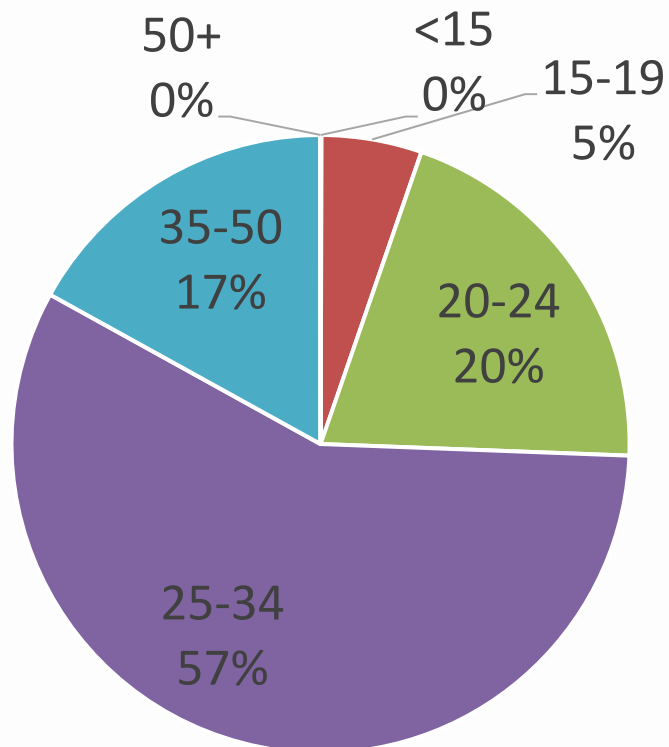


Births with Hearing Loss, 2014

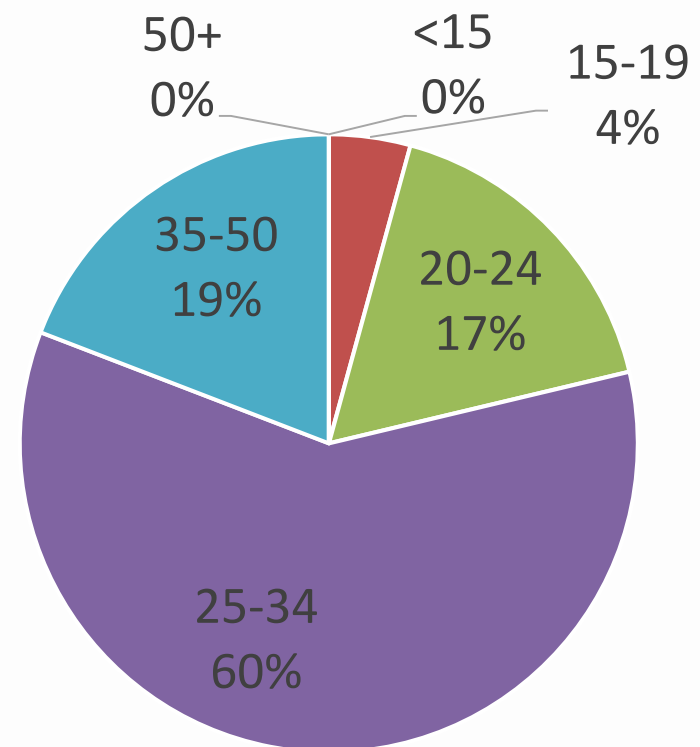


# Demographic Characteristics: Mother's age

Oregon Births, 2014

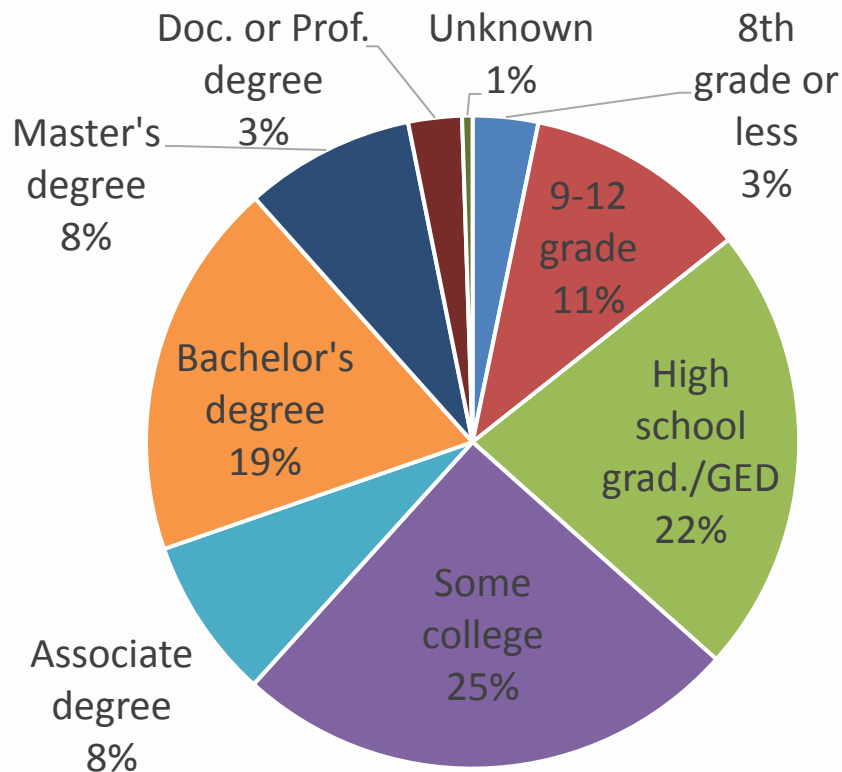


Births with Hearing Loss, 2014

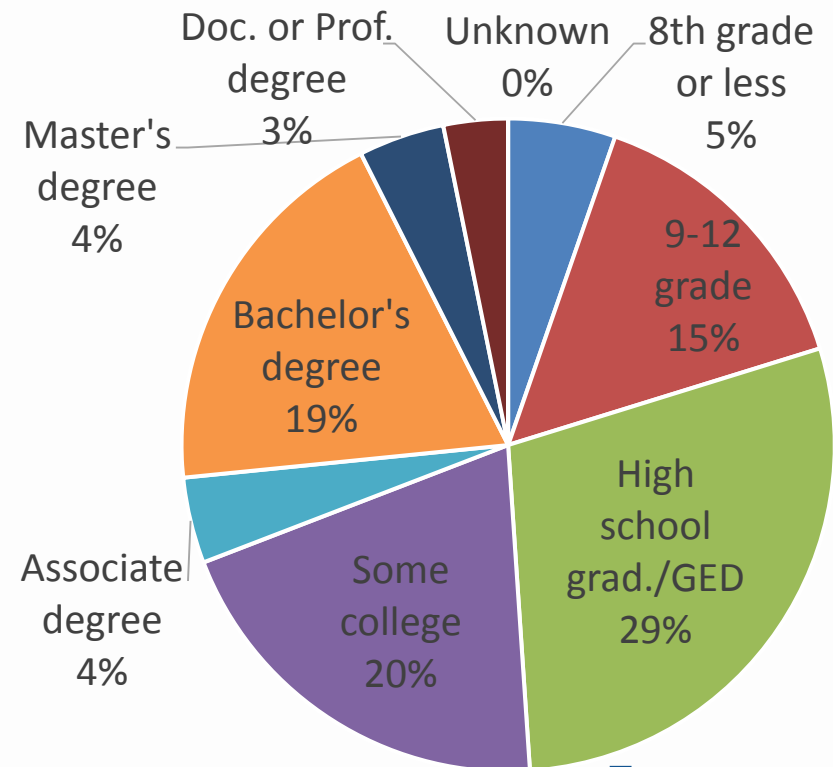


# Demographic Characteristics: Mother's education

Oregon Births, 2014



Births with Hearing Loss, 2014



**Questions??**  
**Thank you!**