
Early Hearing Detection and Intervention (EHDI) Program

July 2015 Quarterly Data Update

ONE: Screening

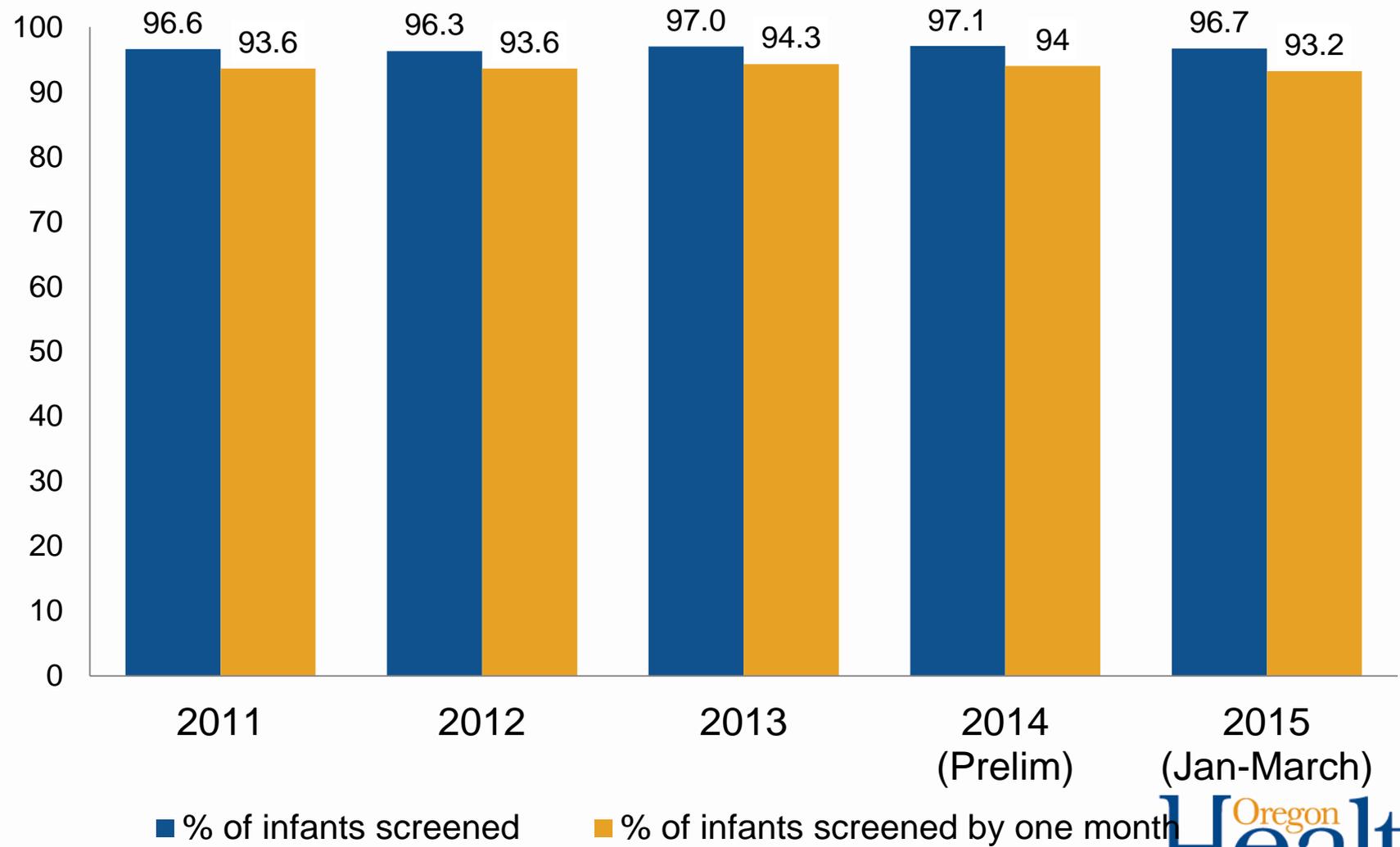
THREE: Diagnostic Evaluation

SIX: Early Intervention



Oregon
Health
Authority

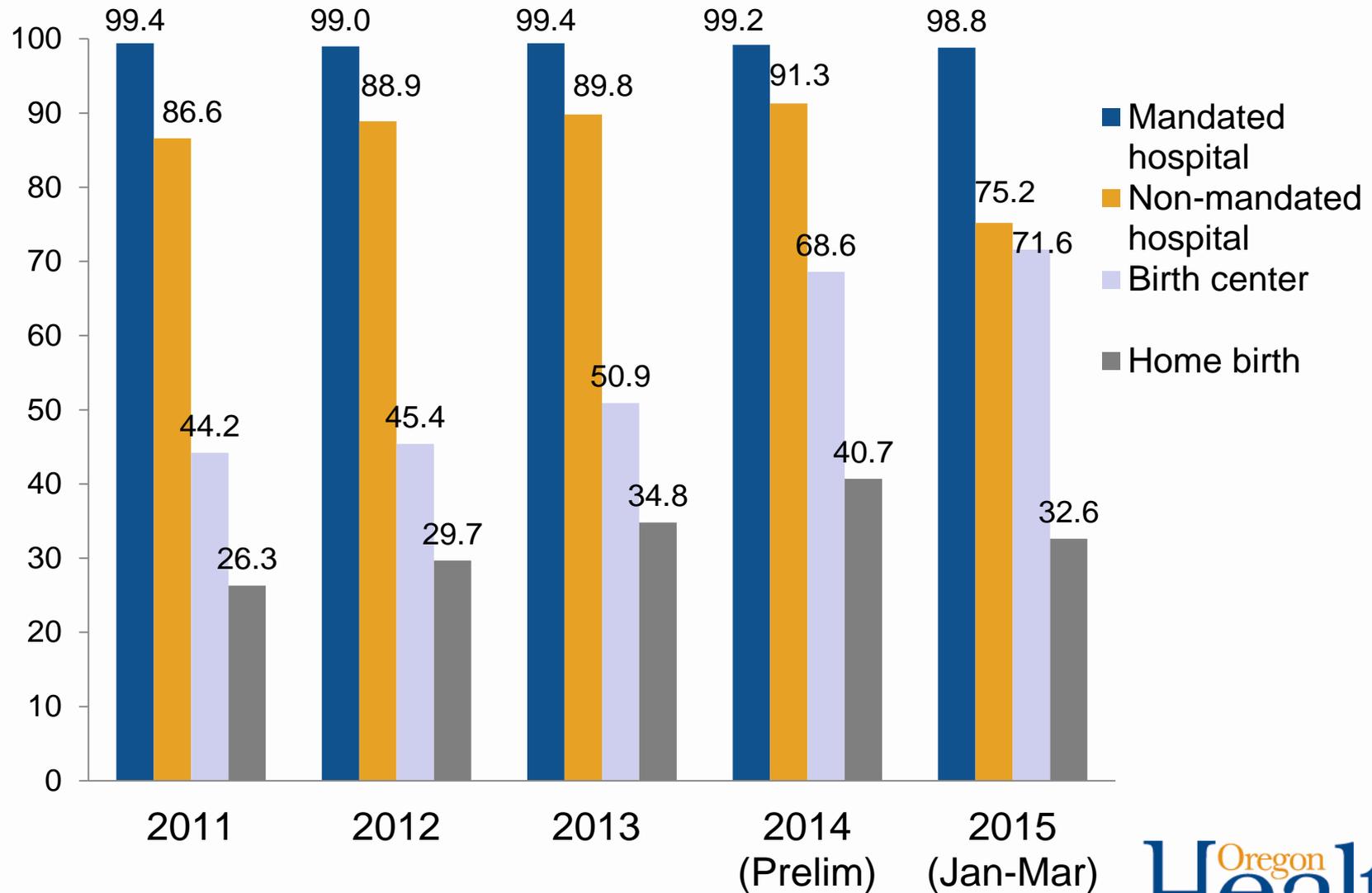
Screening trends: 2011-2015



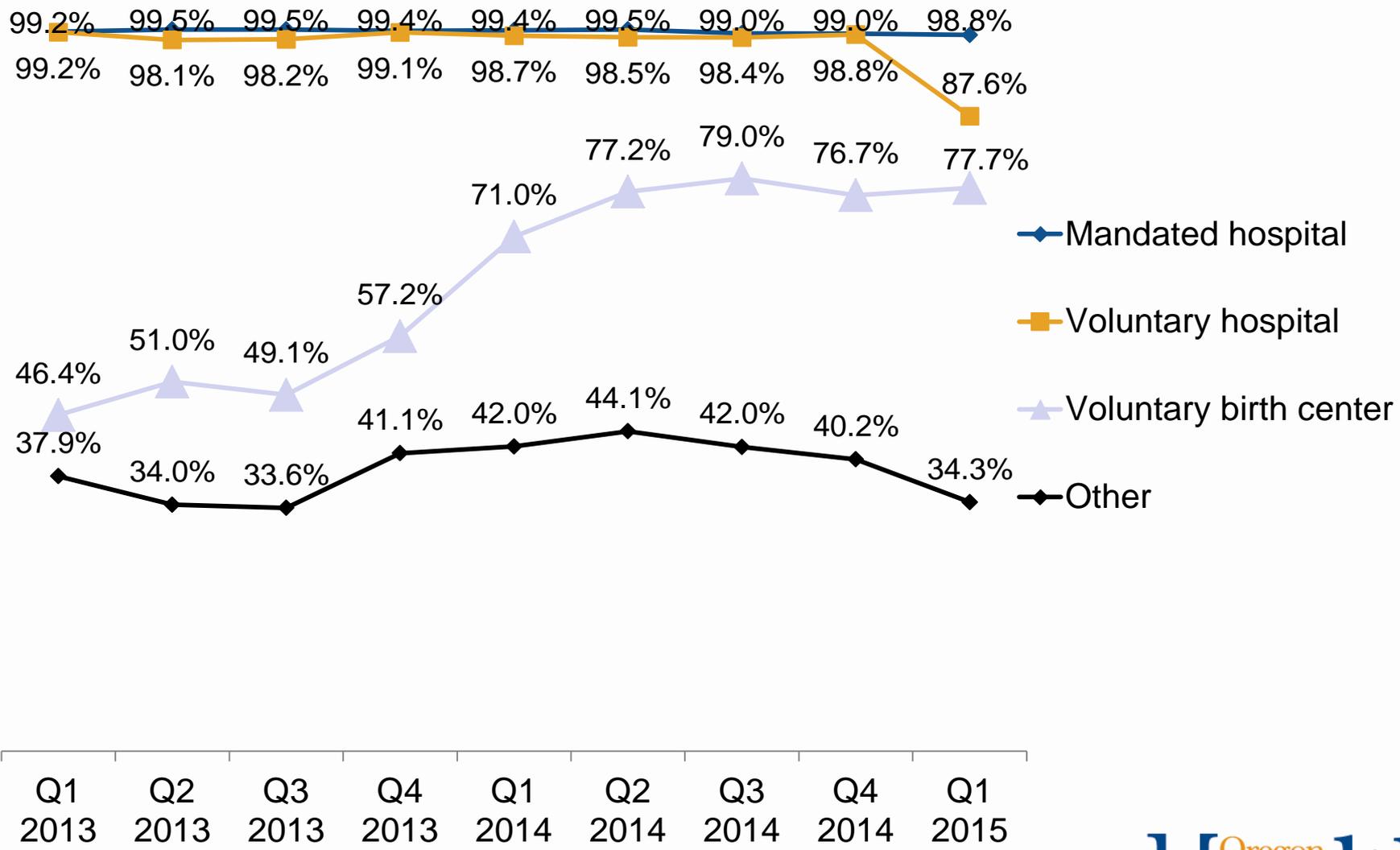
■ % of infants screened

■ % of infants screened by one month

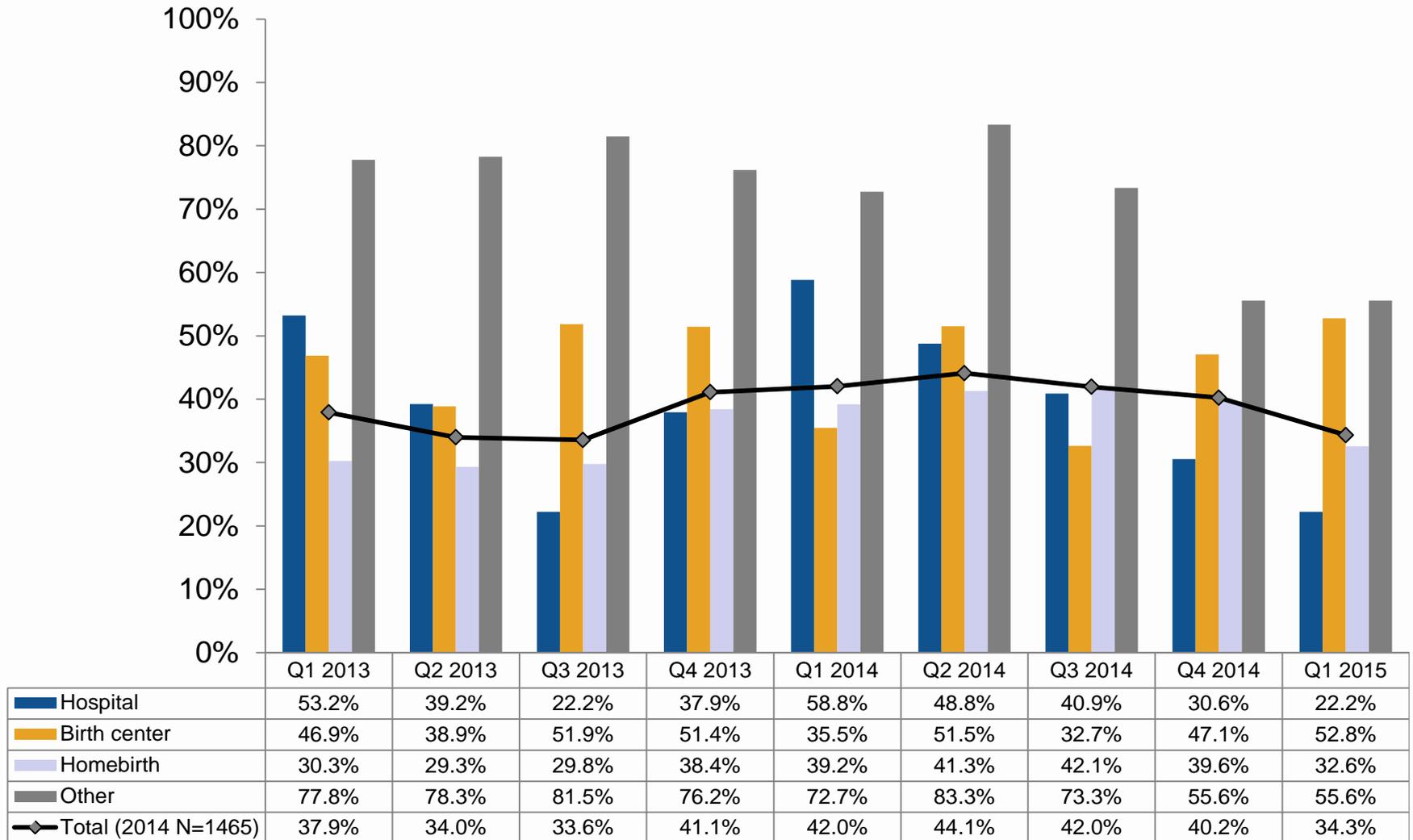
Screening by birth facility: 2011-2015



Screening by birth facility: 2013-2015



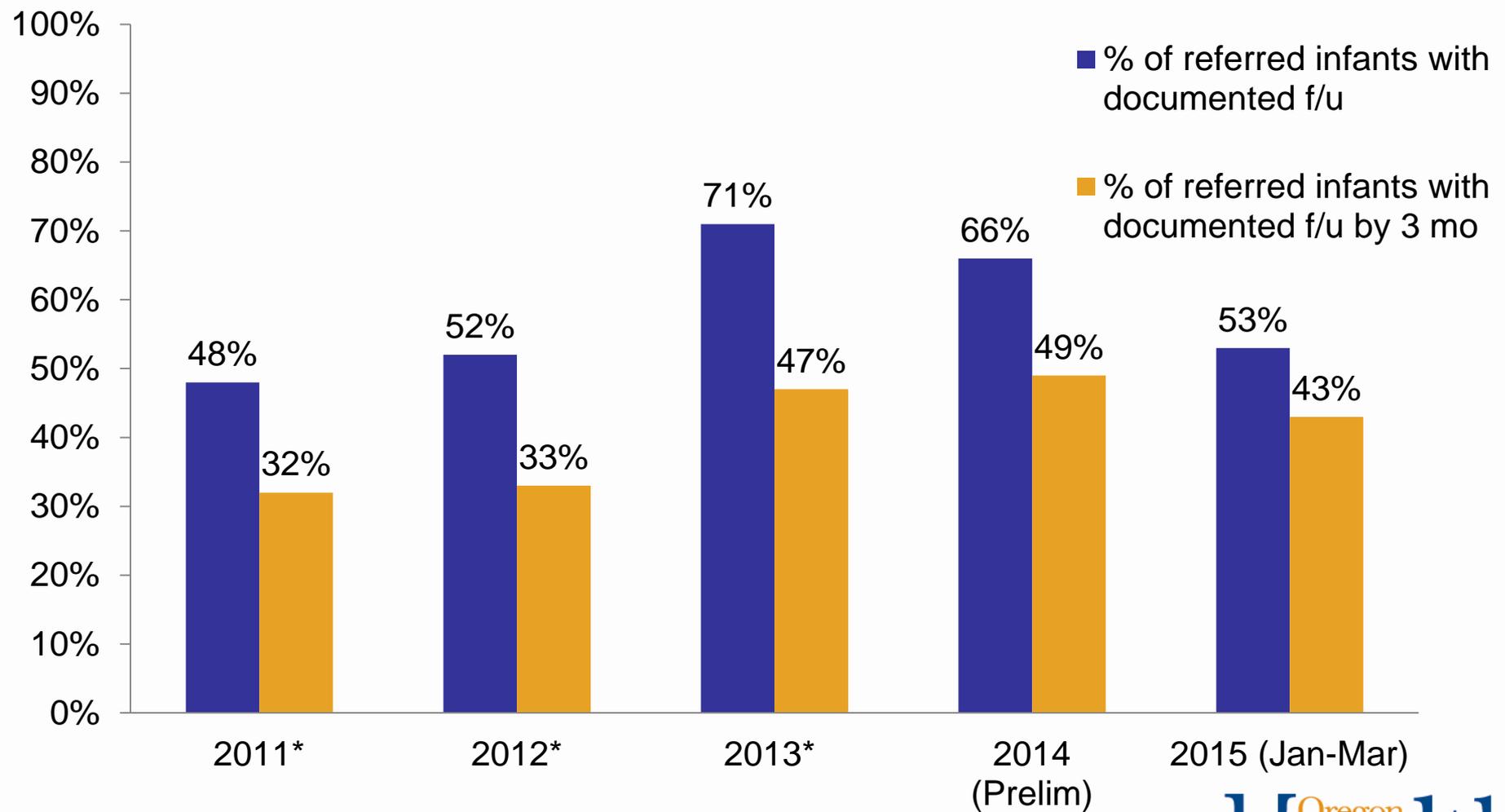
Screening rates among babies born at non-screening birth locations: 2013-2015



Infants who refer on screening: 2013-2015

Percent of referred infants by region	2013		2014 (Prelim)		2015 (Jan-Mar)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	1367	3%	1182	2.6%	308	3.0%
Multnomah, Hood River, Wasco	233	2%	356	3.1%	84	3.2%
Columbia, Clatsop, Tillamook, Washington	182	3%	113	1.6%	34	2.2%
Clackamas	67	2%	51	1.2%	9	.9%
Lane	289	8%	135	3.6%	38	4.3%
Yamhill, Polk, Marion	154	3%	145	2.4%	37	2.7%
Douglas, Josephine, Jackson, Klamath, Lake	129	3%	123	2.5%	47	4.3%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	94	4%	57	2.4%	13	2.5%
Benton, Linn, Lincoln, Coos, Curry	94	3%	52	1.7%	11	1.6%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	125	6%	150	8.6%	35	8.9%

Diagnostic follow-up trends: 2011-2015



Diagnostic follow up by region: 2013-2015

Percent of referred infants with diagnostic follow up by region of birth	2013		2014 (Prelim)		2015 (Jan-Mar)	
	Count	Pct.	Count	Pct.	Count	Pct.
Multnomah, Hood River, Wasco	146	63%	276	77.5%	52	61.9%
Columbia, Clatsop, Tillamook, Washington	146	80%	90	79.6%	23	67.6%
Clackamas	44	66%	28	54.9%	3	33.3%
Lane	204	71%	90	67.2%	16	42.1%
Yamhill, Polk, Marion	117	76%	109	75.2%	29	78.4%
Douglas, Josephine, Jackson, Klamath, Lake	37	29%	35	28.5%	7	14.9%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	31	33%	23	40.4%	5	38.5%
Benton, Linn, Lincoln, Coos, Curry	43	46%	29	55.8%	4	36.4%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	70	56%	100	66.7%	23	65.7%

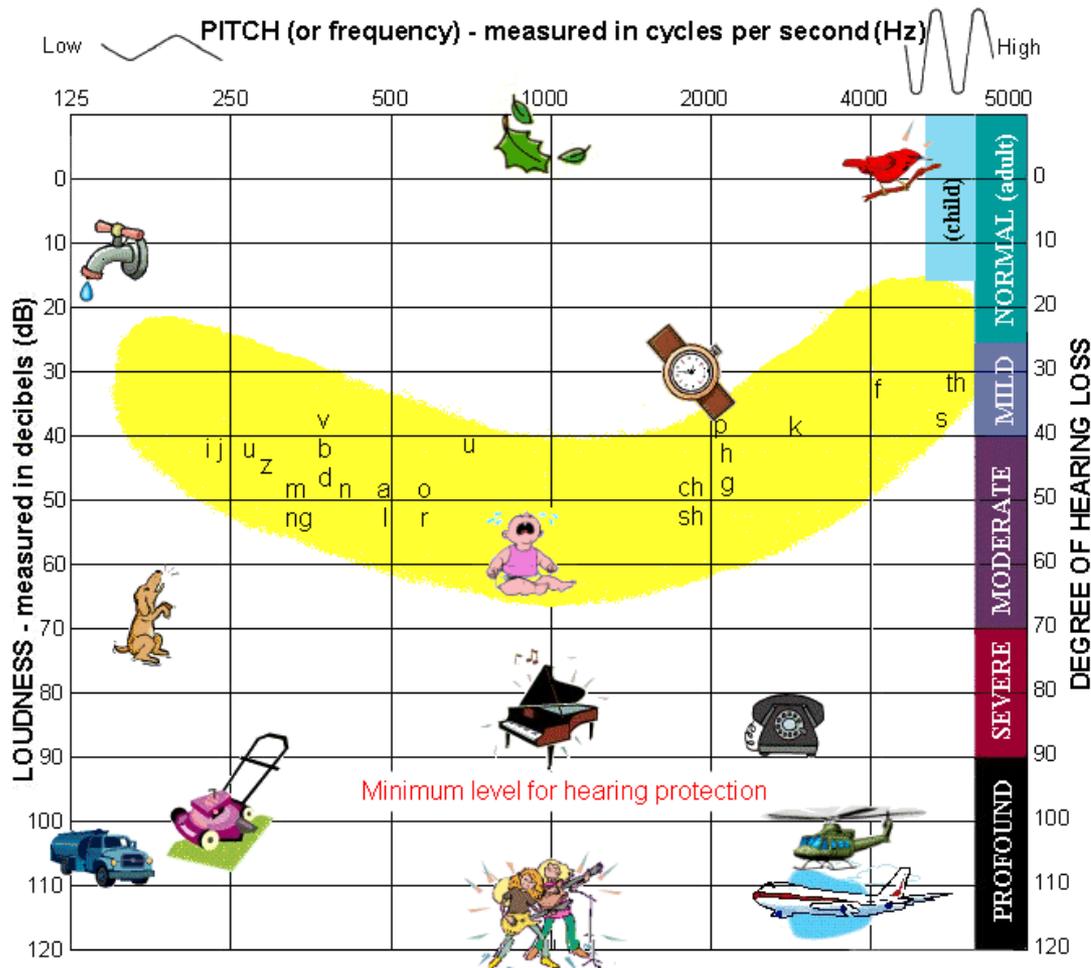
Hearing loss by region: 2012-2014

Hearing loss by year of birth and region	2013		2014 (Prelim)		2015 (Jan-Mar)	
	Total births	Hearing loss	Total births	Hearing loss	Total births	Hearing loss
State Total	45457	98	45,958	97	10499	19
Multnomah, Hood River, Wasco	11430	37	11,656	35	2641	<10
Columbia, Clatsop, Tillamook, Washington	7325	20	7,130	18	1628	<10
Clackamas	4530	<10	4,502	<10	1011	<10
Lane	3805	<10	3,934	<10	939	<10
Yamhill, Polk, Marion	5960	<10	6,248	16	1414	<10
Douglas, Josephine, Jackson, Klamath, Lake	5043	<10	5,128	<10	1185	<10
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2360	<10	2,421	<10	545	<10
Benton, Linn, Lincoln, Coos, Curry	2991	<10	3,113	<10	727	<10
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	2013	<10	1,826	<10	409	<10

Degree of loss among infants diagnosed with hearing loss in 2013 birth cohort (3 resolved)	Unilateral	Bilateral (better ear)
Slight	1	3
Mild – likely trouble hearing quiet speech and hearing in noise; hearing aids likely to help	4	19
Moderate - likely to not hear most speech clearly without hearing aids; with aids, should hear speech at quiet and normal volumes clearly	12	15
Moderately severe - will only hear very loud speech without hearing aids; with aids, should hear speech at normal volumes clearly	11	7
Severe - will not hear speech at all without hearing aids; with aids, should hear speech at a normal volume	4	4
Profound - will not hear speech at all without hearing aids; with aids, may not hear speech at normal volumes; may benefit from cochlear implant	5	12
Undetermined	1	0
Total	38	60

Infants with any degree of loss may use and benefit from all available communication options.

Degree of loss among infants diagnosed with hearing loss in 2013 birth cohort

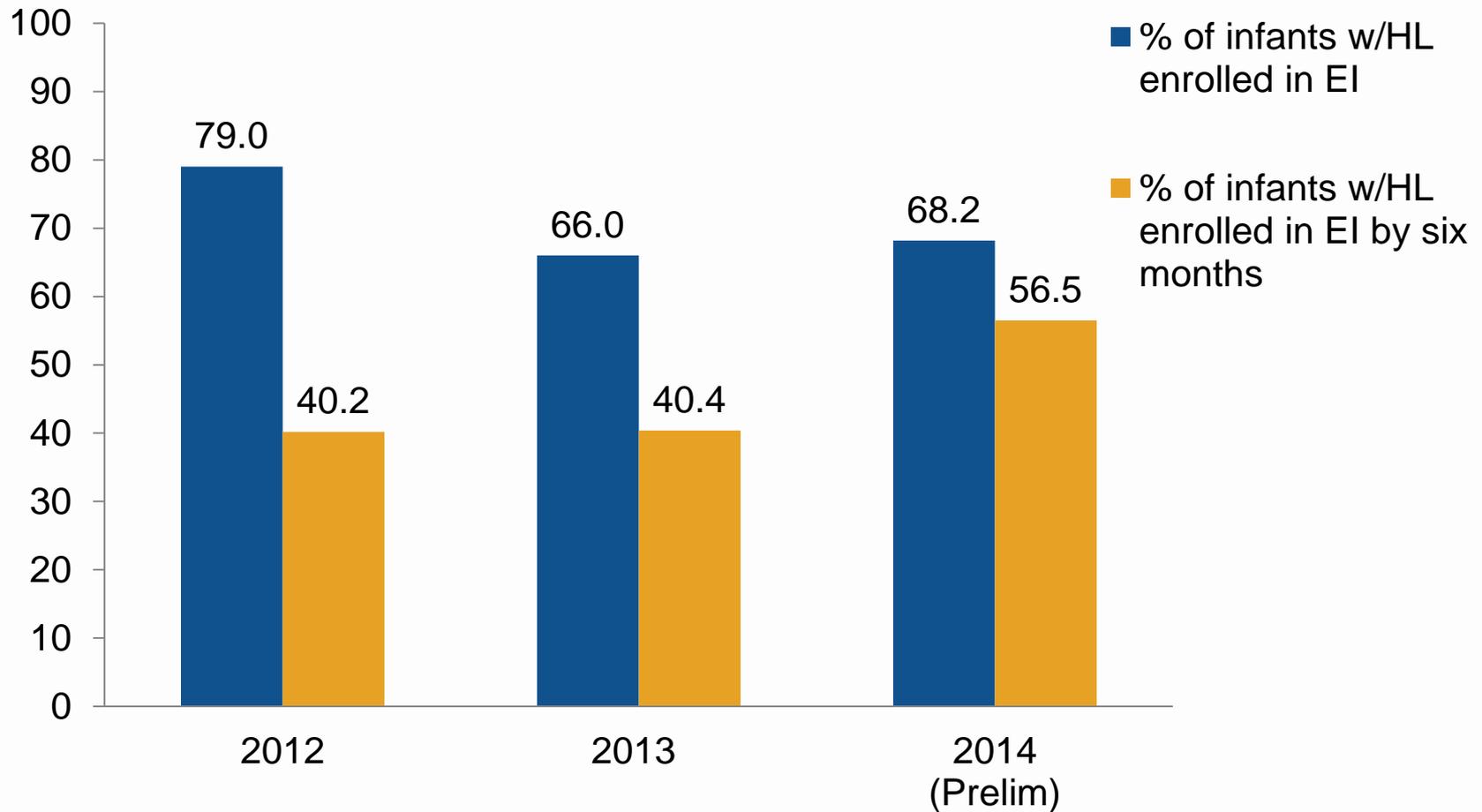


Degree of loss	One ear	Both ears (better ear)
Slight	1	3
Mild	4	19
Moderate	12	15
Moderately severe	11	7
Severe	4	4
Profound	5	12
Undetermined	1	0
Total	38	60

Expected Counts of Hearing Loss: 2014 prelim

	Total Births	Referred on Screening		Received Dx		Hearing Loss	Expected
		Count	Pct.	Count	Pct.	Count	Count
Statewide	45,958	1182	2.6%	780	66.0%	97	45-138
Multnomah, Hood River, Wasco	11,656	356	3.1%	276	77.5%	35	11-35
Columbia, Clatsop, Tillamook, Washington	7,130	113	1.6%	90	79.6%	18	7-21
Clackamas	4,502	51	1.2%	28	54.9%	<10	4-14
Lane	3,934	135	3.6%	90	67.2%	<10	3-12
Yamhill, Polk, Marion	6,248	145	2.4%	109	75.2%	16	6-19
Douglas, Josephine, Jackson, Klamath, Lake	5,128	123	2.5%	35	28.5%	<10	5-15
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2,421	57	2.4%	23	40.4%	<10	2-7
Benton, Linn, Lincoln, Coos, Curry	3,113	52	1.7%	29	55.8%	<10	3-9
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	1,826	150	8.6%	100	66.7%	<10	1-5

EI enrollment trends: 2012-2014



EI enrollment by region: 2012-2014

EI enrollment by year of birth and region	2012		2013		2014 (Prelim)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	83	79%	62	66%	58	68%
Multnomah, Hood River, Wasco	25	81%	23	70%	22	71%
Columbia, Clatsop, Tillamook, Washington	17	74%	14	70%	11	73%
Clackamas	<10	64%	<10	50%	<10	75%
Lane	<10	50%	<10	100%	<10	75%
Yamhill, Polk, Marion	12	92%	<10	78%	<10	57%
Douglas, Josephine, Jackson, Klamath, Lake	<10	100%	<10	38%	<10	80%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	<10	75%	0	0%	<10	33%
Benton, Linn, Lincoln, Coos, Curry	<10	67%	<10	71%	<10	100%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	<10	100%	<10	40%	<10	40%

Comparison to National Data, Loss to Follow Up (2013)

