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# Early Hearing Detection and Intervention (EHDI) Program

October 2015 Quarterly Data Update

*ONE: Screening*

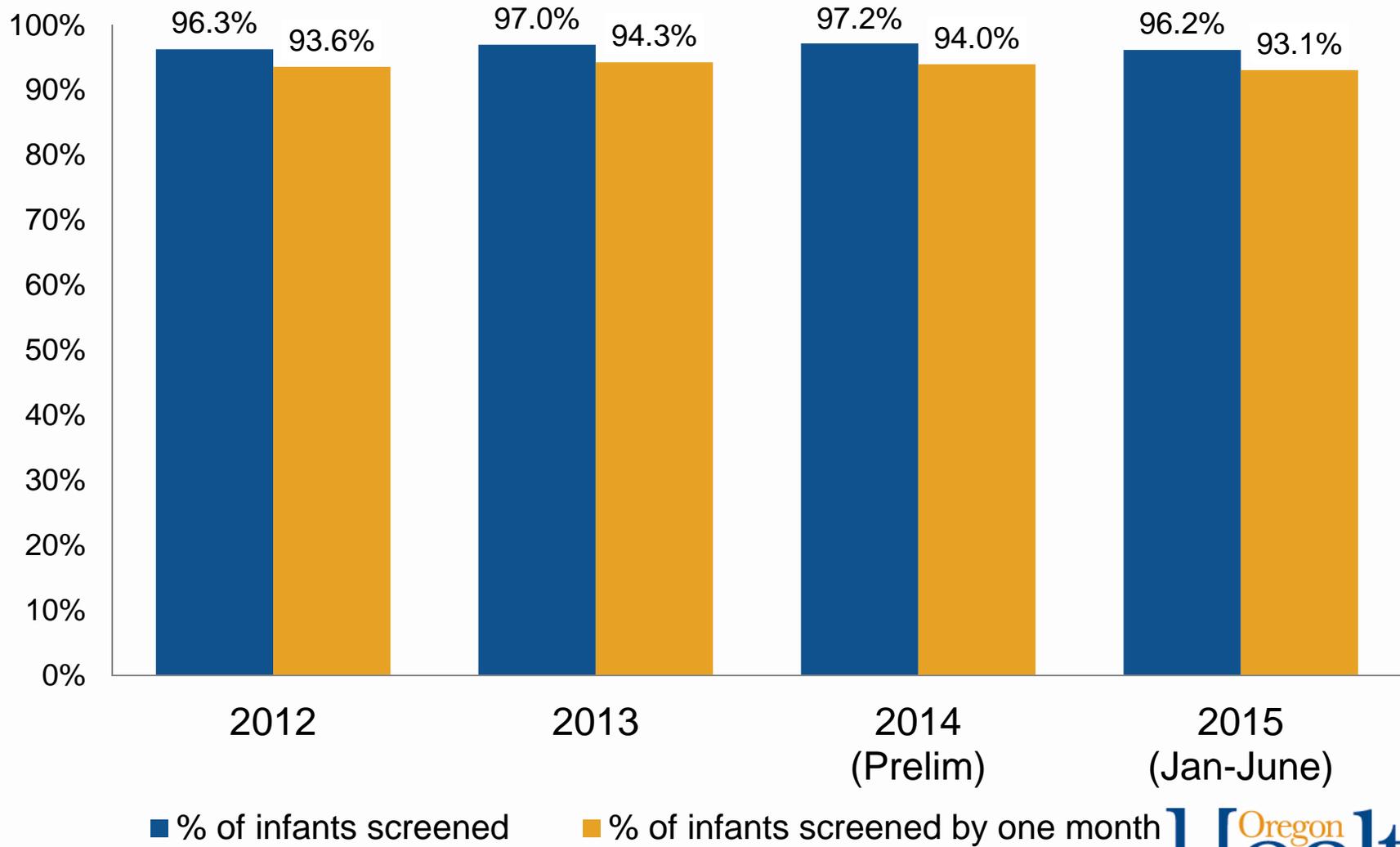
*THREE: Diagnostic Evaluation*

*SIX: Early Intervention*

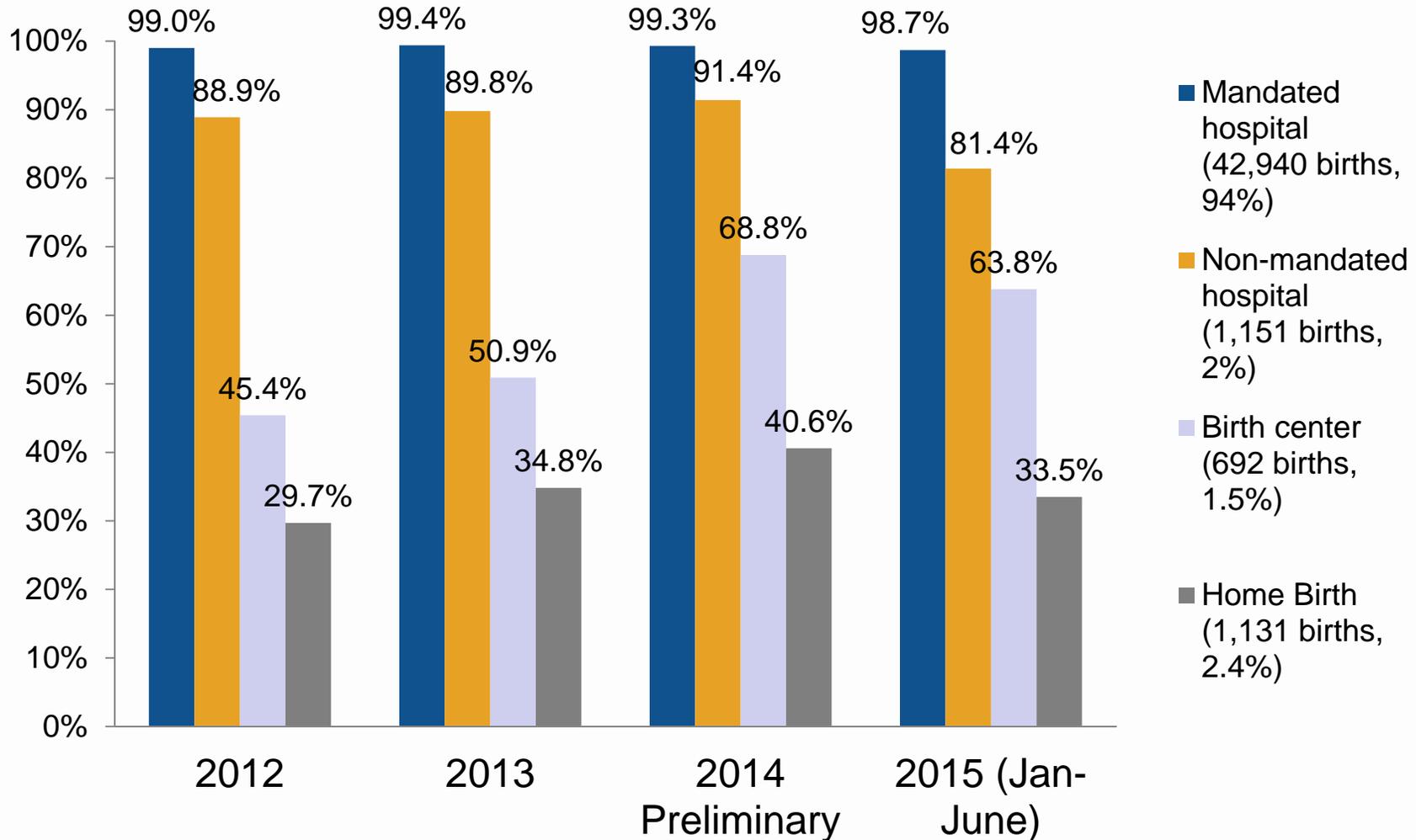
Oregon  
Health  
Authority

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## Screening trends: 2012-2015

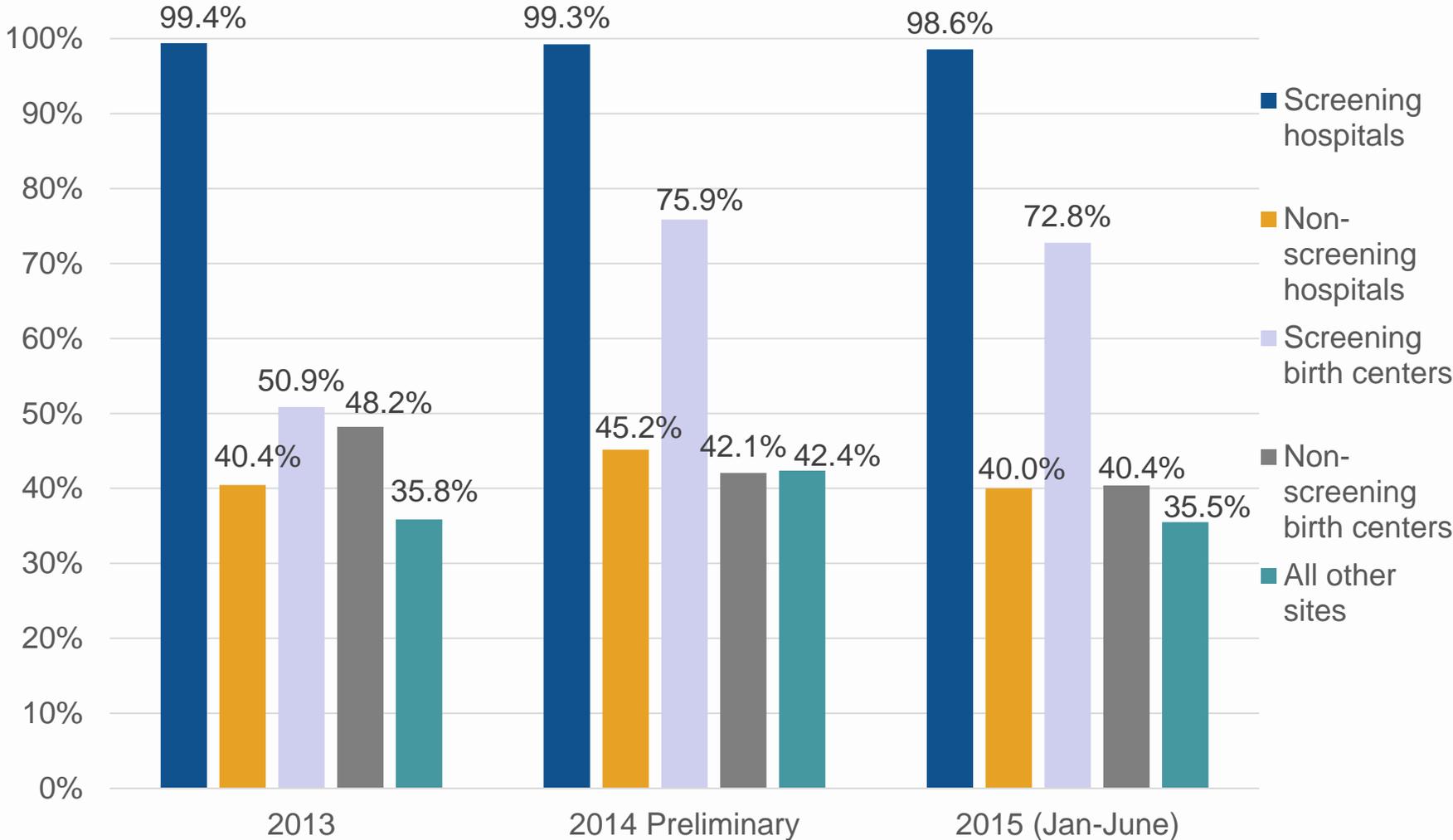


# Screening rates by birth facility types: 2012-2015

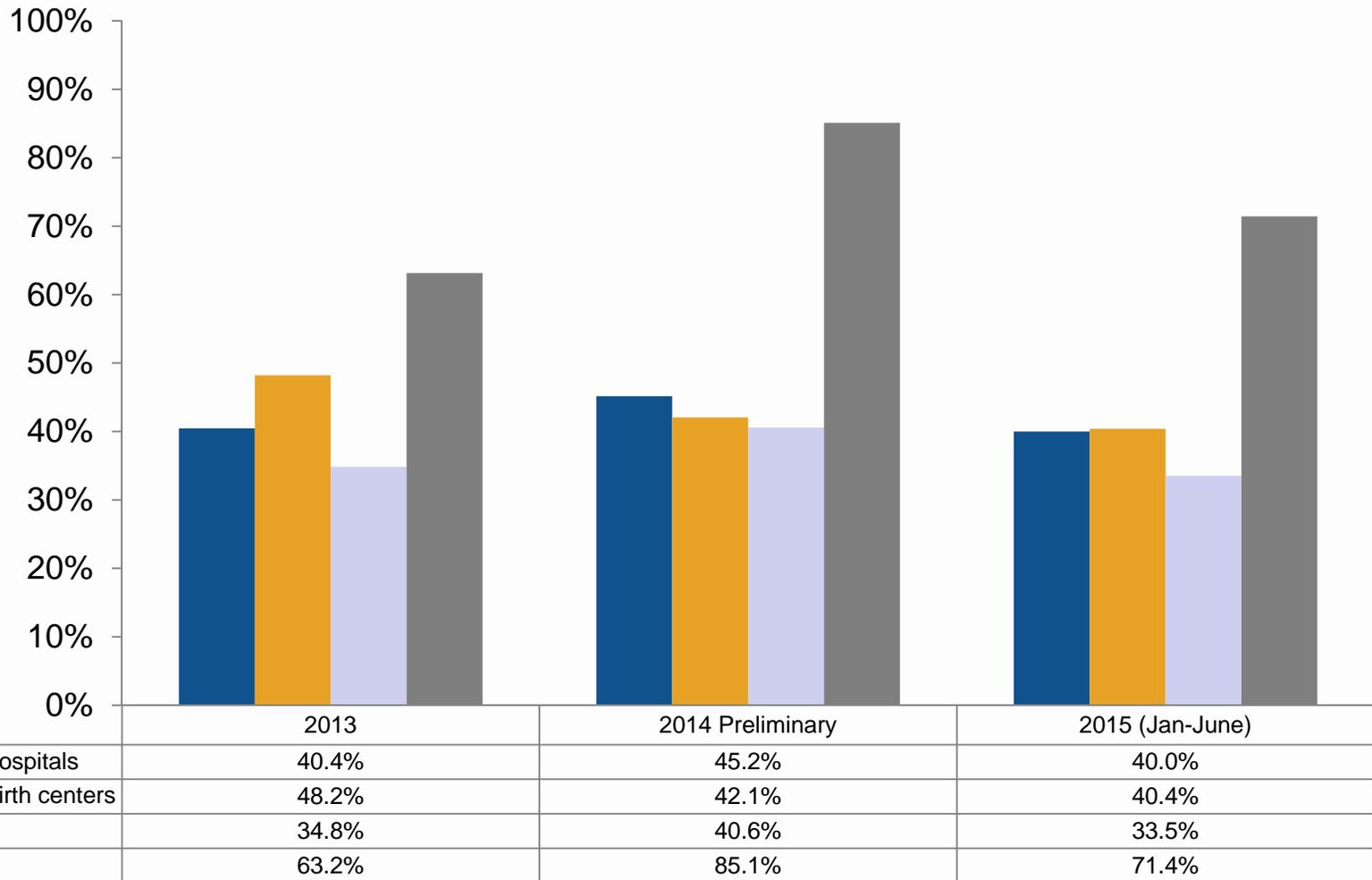


ONE

# Comparison of rates for screening and non-screening facility types: 2013-2015



# Screening rates among infants born in non-screening birth locations: 2013-2015

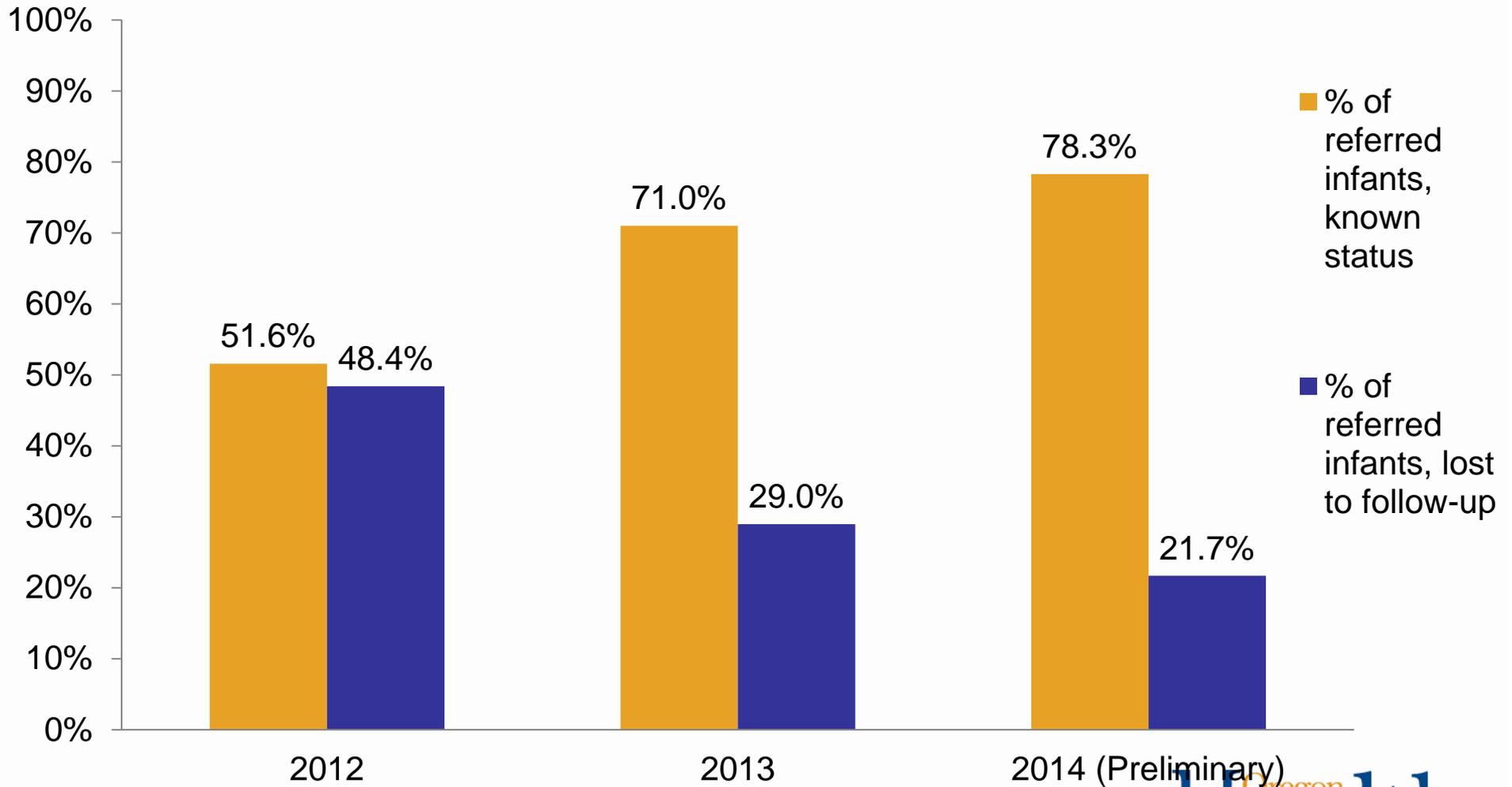


Other category includes locations such as clinics, cars, etc.

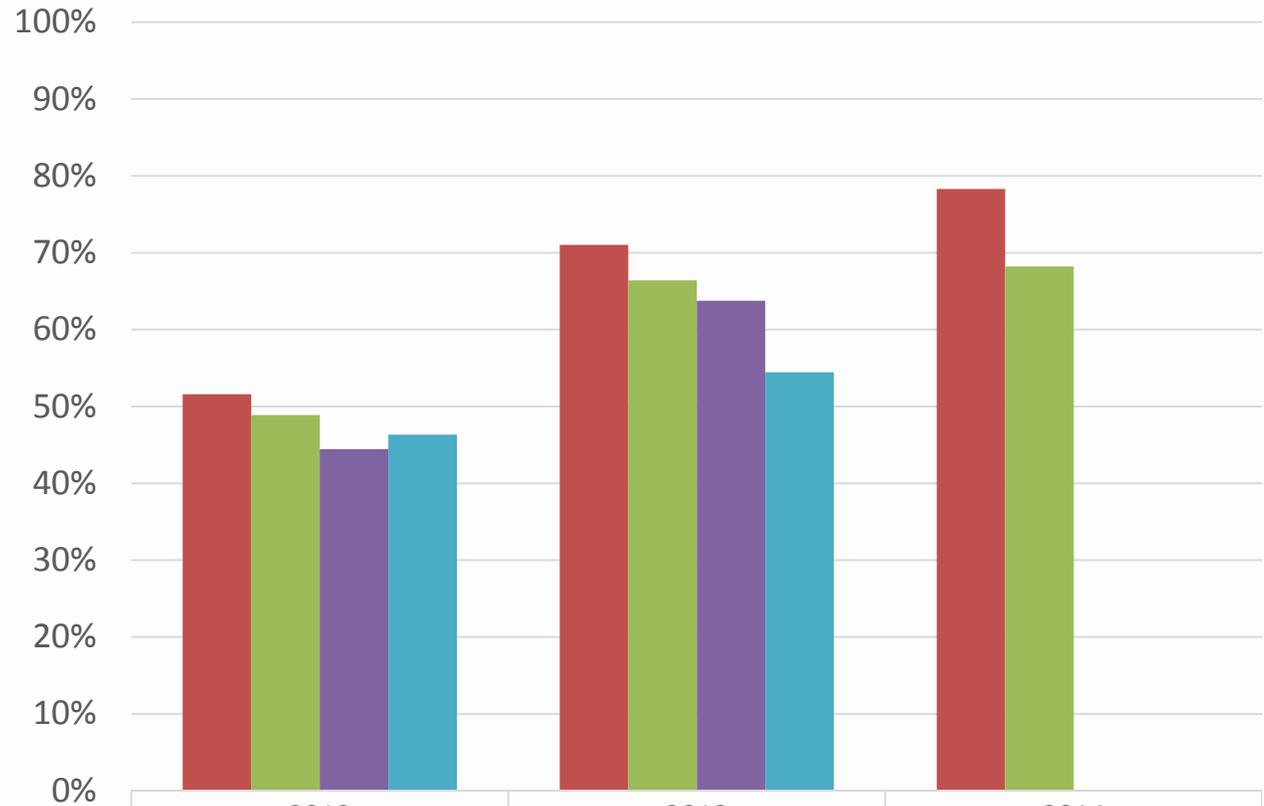
## Infants who refer on screening by region: 2013-2015

Counties grouped by region	2013		2014 (Prelim)		2015 (Jan-Mar)	
	Count	Pct.	Count	Pct.	Count	Pct.
Total	1367	3%	1175	2.6%	659	3.0%
Multnomah, Hood River, Wasco	233	2%	355	3.1%	234	4.1%
Columbia, Clatsop, Tillamook, Washington	182	3%	113	1.6%	71	2.1%
Clackamas	67	2%	50	1.1%	29	1.4%
Lane	289	8%	133	3.6%	48	2.5%
Yamhill, Polk, Marion	154	3%	144	2.4%	77	2.6%
Douglas, Josephine, Jackson, Klamath, Lake	129	3%	122	2.5%	82	3.5%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	94	4%	55	2.3%	27	2.3%
Benton, Linn, Lincoln, Coos, Curry	94	3%	53	1.8%	22	1.5%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	125	6%	150	8.6%	69	8.2%

## Diagnostic follow-up trends: 2012-2014

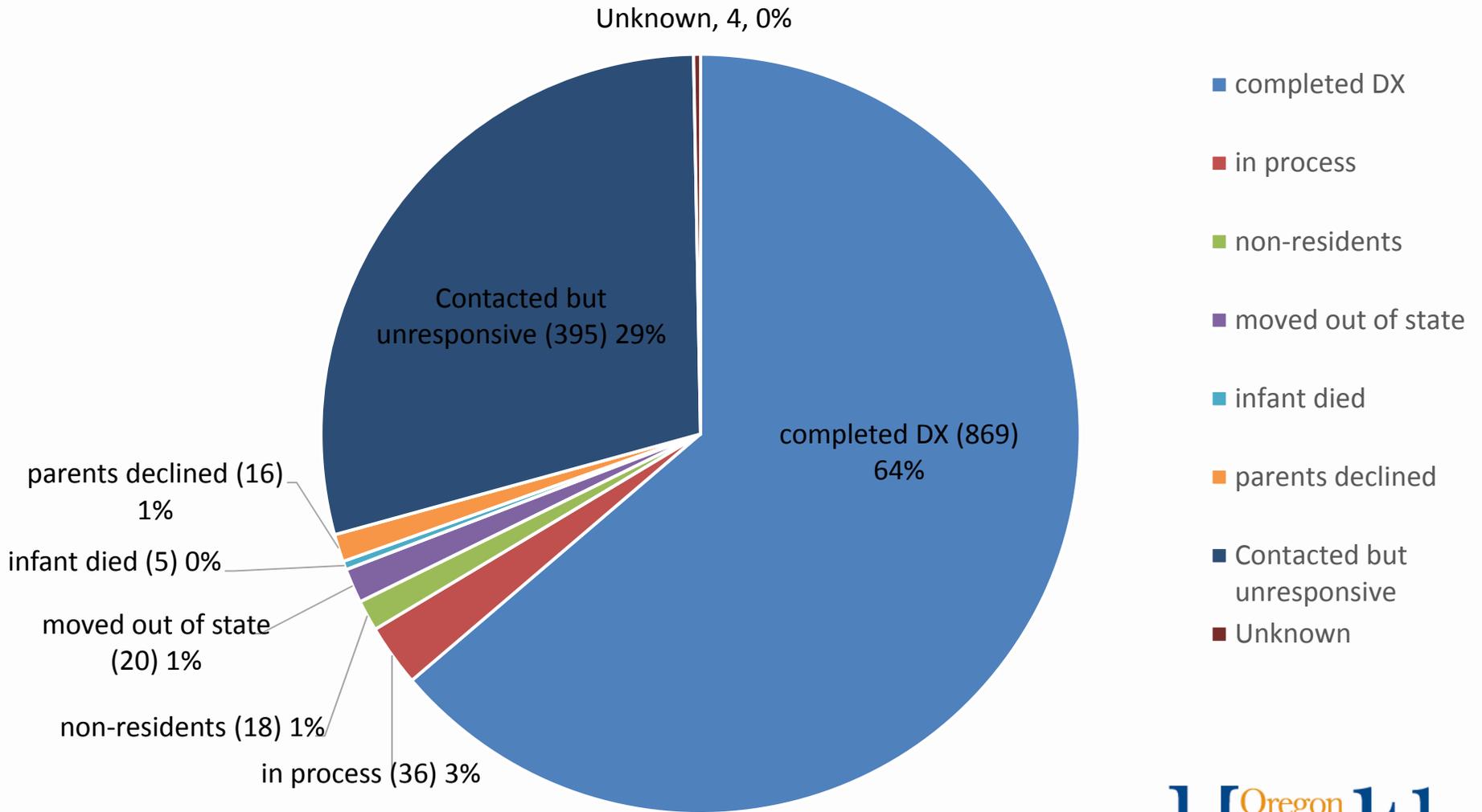


# Diagnostic follow-up trends: 2012-2014



	2012	2013	2014
■ % of referred infants, known status	51.6%	71.0%	78.3%
■ % of referred infants, some dx follow up	48.9%	66.4%	68.2%
■ % of referred infants, completed dx	44.4%	63.8%	
■ % of referred infants, dx within 3 mo	46.3%	54.5%	

# Diagnostic follow-up status: 2013



**THREE****Diagnostic follow-up by region: 2013-2015**

Counties grouped by region	2013		2014 (Prelim)		2015 (Jan-June)	
	Count	Pct.	Count	Pct.	Count	Pct.
Multnomah, Hood River, Wasco	146	63%	280	79.1%	137	58.8%
Columbia, Clatsop, Tillamook, Washington	146	80%	93	82.3%	48	67.6%
Clackamas	44	66%	28	56%	16	55.2%
Lane	204	71%	91	68.9%	26	54.2%
Yamhill, Polk, Marion	117	76%	109	75.7%	54	70.1%
Douglas, Josephine, Jackson, Klamath, Lake	37	29%	41	33.6%	18	22.2%
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	31	33%	23	41.8%	6	22.2%
Benton, Linn, Lincoln, Coos, Curry	43	46%	33	62.3%	9	40.9%
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	70	56%	102	68%	44	63.8%

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

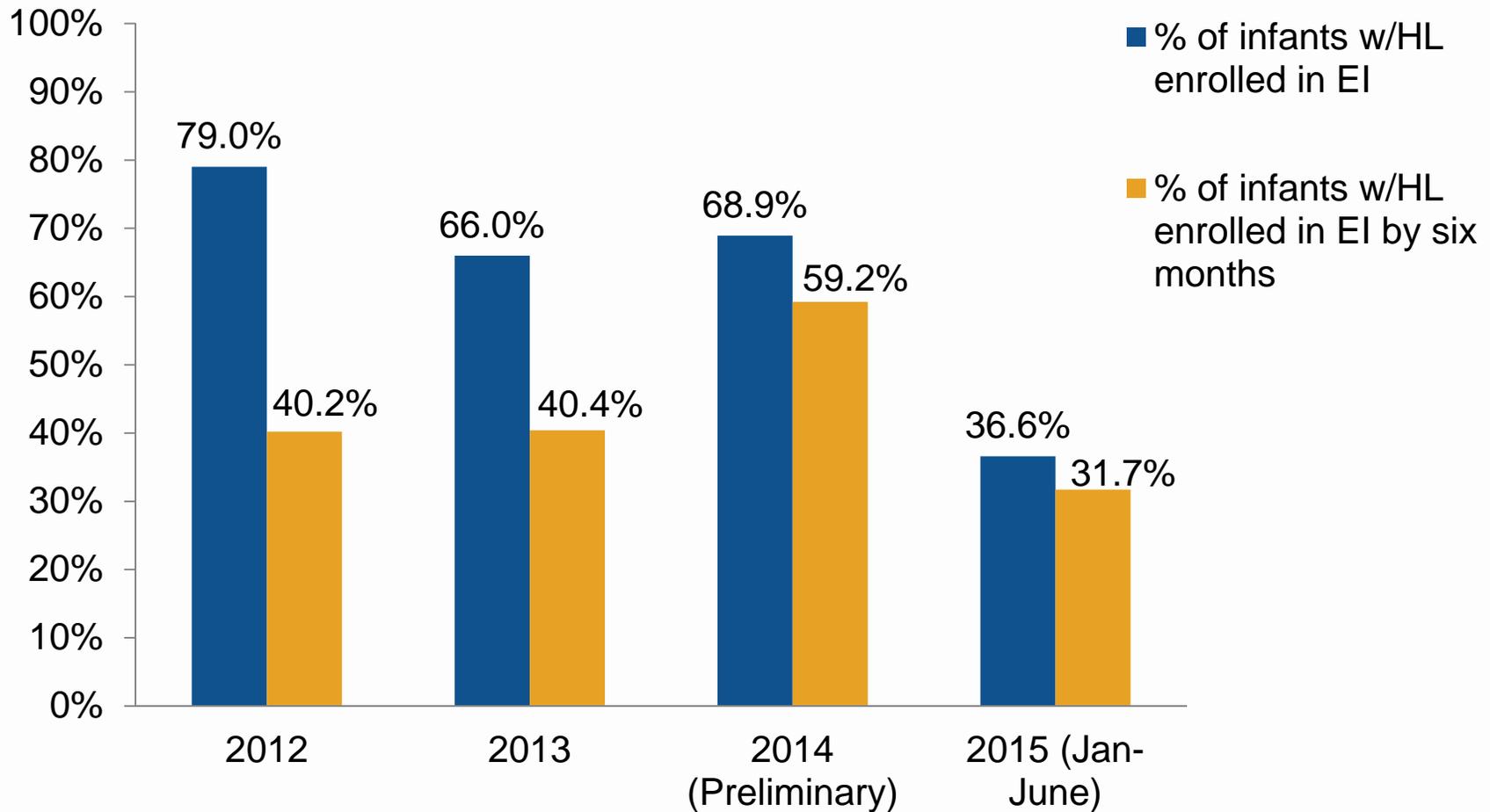
Counties grouped by region	2013		2014 (Prelim)		2015 (Jan-June)	
	Total births	Hearing loss	Total births	Hearing loss	Total births	Hearing loss
State Total	45457	94	45,972	103	22711	41
Multnomah, Hood River, Wasco	11430	33	11,654	37	5,780	18
Columbia, Clatsop, Tillamook, Washington	7325	20	7,132	19	3,505	<10
Clackamas	4530	<10	4,506	<10	2,233	<10
Lane	3805	<10	3,934	<10	2,007	<10
Yamhill, Polk, Marion	5960	<10	6,250	16	2,986	<10
Douglas, Josephine, Jackson, Klamath, Lake	5043	<10	5,132	<10	2,557	<10
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2360	<10	2,425	<10	1199	<10
Benton, Linn, Lincoln, Coos, Curry	2991	<10	3,113	<10	1,561	<10
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	2013	<10	1,826	<10	883	<10

**SIX**

## Expected Counts of Hearing Loss: 2014 prelim

	Total Births	Referred on Screening		Received Dx		Hearing Loss	Expected
		Count	Pct.	Count	Pct.	Count	Count
Statewide	45,972	1173	2.6%	800	68.2%	103	45-138
Multnomah, Hood River, Wasco	11,654	354	3.0%	280	79.1%	37	11-35
Columbia, Clatsop, Tillamook, Washington	7,132	113	1.6%	93	82.3%	19	7-21
Clackamas	4,506	50	1.1%	28	56%	<10	4-14
Lane	3,934	132	3.4%	91	68.9%	<10	3-12
Yamhill, Polk, Marion	6,250	144	2.3%	109	75.7%	16	6-19
Douglas, Josephine, Jackson, Klamath, Lake	5,132	122	2.4%	41	33.6%	<10	5-15
Sherman, Gilliam, Wheeler, Jefferson, Crook, Deschutes, Harney	2,425	55	2.3%	23	41.8%	<10	2-7
Benton, Linn, Lincoln, Coos, Curry	3,113	53	1.7%	33	62.3%	<10	3-9
Morrow, Umatilla, Union, Wallowa, Baker, Grant, Malheur	1,826	150	8.2%	102	68%	<10	1-5

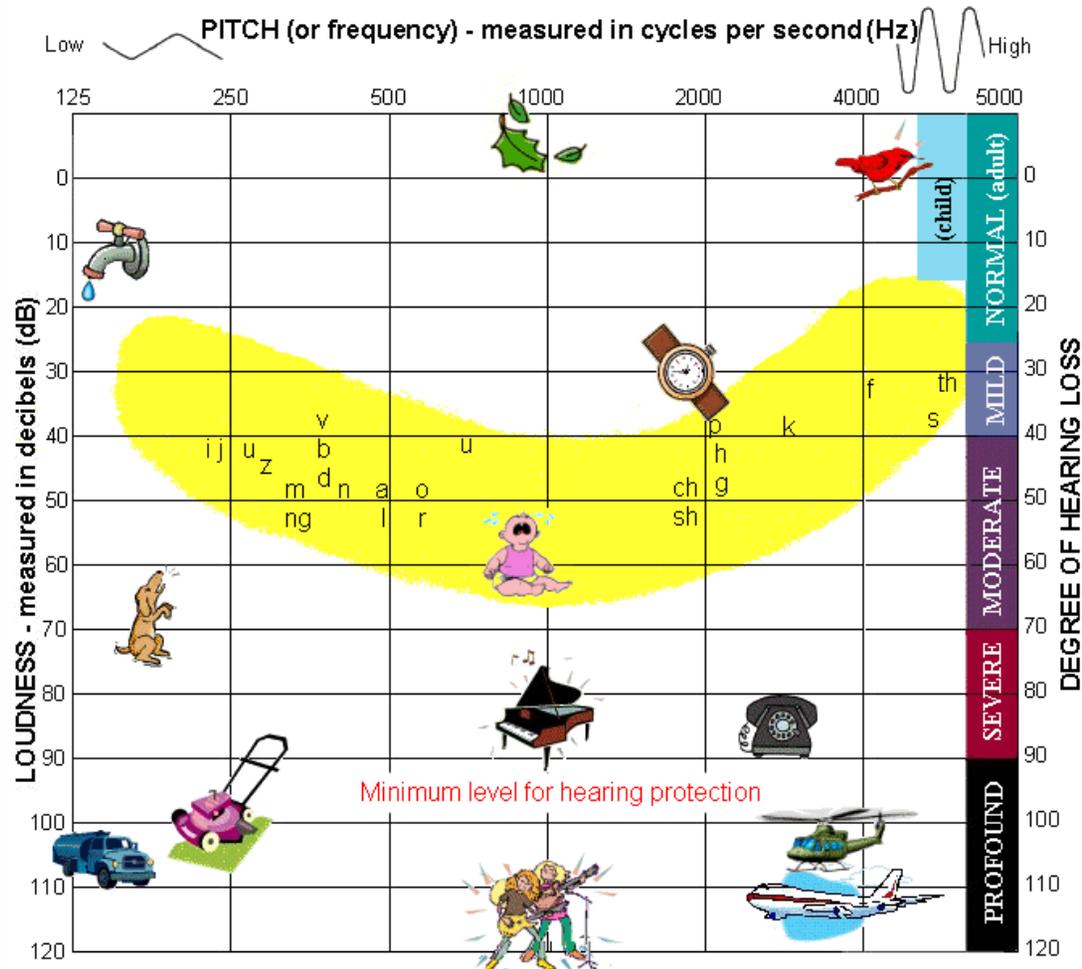
## EI enrollment trends: 2012-2015



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

**Questions??**

**Thank you!**