

Summary of 2014 National CDC EHDI Data

Data Source: 2014 CDC EHDI Hearing Screening & Follow-up Survey (HSFS)

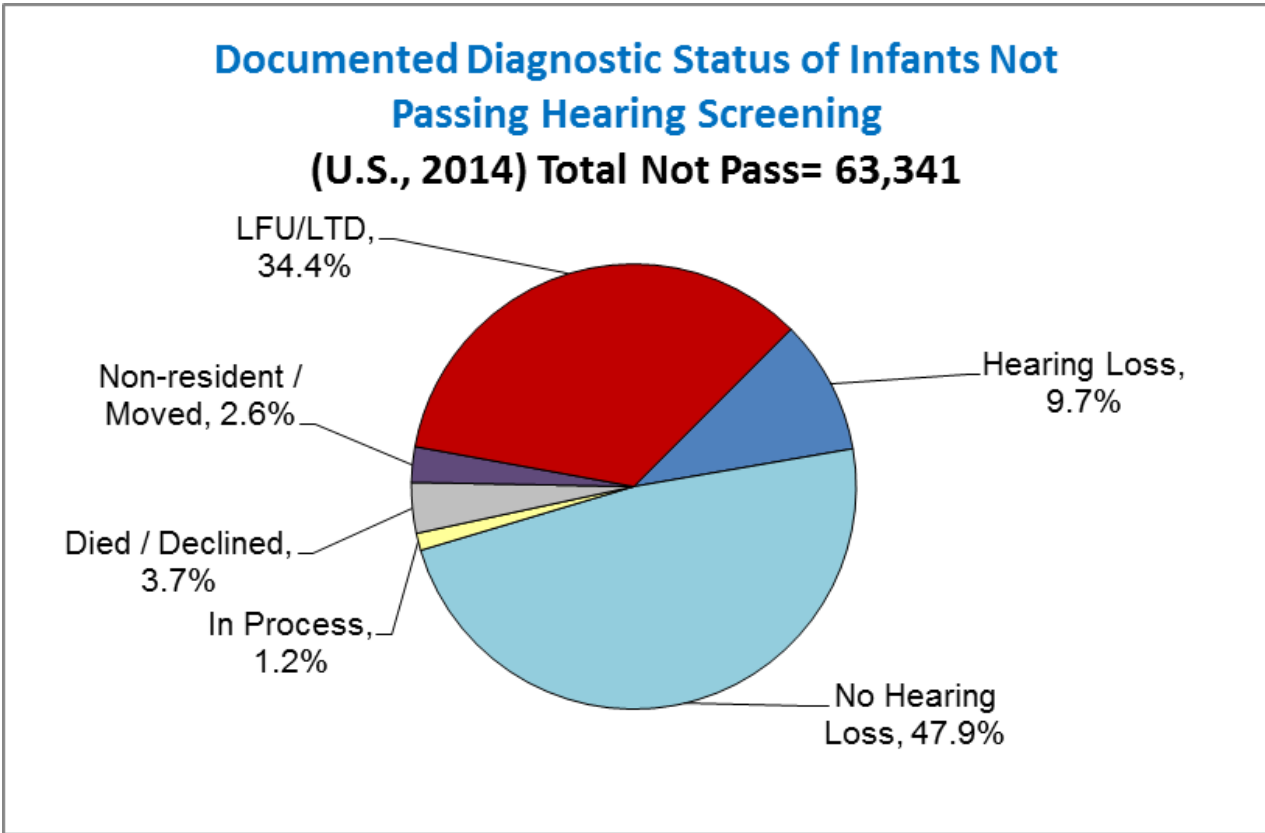
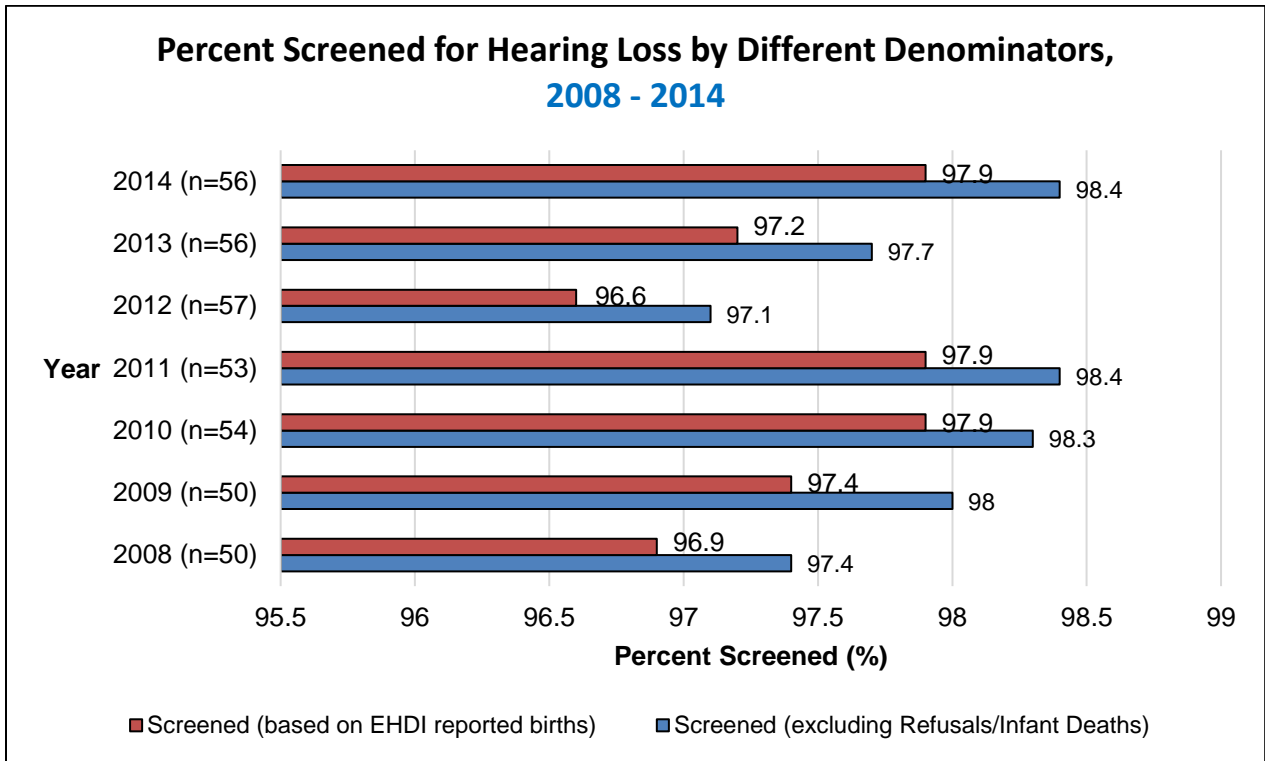
Number of Respondents: 56^a (50 states, 5 territories, and the District of Columbia) AL, AK, American Samoa, AZ, AR, CA, CO, Commonwealth of the Northern Mariana Islands, CT, DE, District of Columbia, FL, GA, Guam, HI, ID, IL, IN, IA, KS, KY, LA, Marshall Islands, ME, MD, MA, MI, MN, MS, MO, MT, NE, NV, NH, NJ, NM, NY, NC, ND, OH, OK, OR, Palau, PA, RI, SC, SD, TN, TX, UT, VT, VA, WA, WV, WI, WY

2014 Documented EHDI Data Items	
Total Occurrent Births (according to state & territorial EHDI programs) ^b	3,963,042
Documented Hearing Screening	
Percent Screened	97.9% (n = 3,877,851)
o Percent Screened (excluding infant deaths & parental refusals)	98.4%
o Percent Screened before 1 Month of Age	96.1% (n = 3,724,684)
Percent Not Passing final / most recent screening	1.6% (n = 63,341)
o Percent Not Passing Inpatient Screen and Not Receiving an Outpatient Screen	12.0% (n = 7,591)
Documented Diagnosis (based on 63,341 infants not passing)	
Percent Diagnosed	57.6% (n = 36,472)
o Percent with No Hearing Loss (i.e., no diagnosed hearing loss)	47.9% (n = 30,309)
o Percent with Hearing Loss	9.7% (n = 6,163)
o Percent Diagnosed (normal hearing + hearing loss) before 3 Months of Age	71.3% (n = 26,002)
Prevalence of Hearing Loss	1.6 per 1,000 screened
No Documented Diagnosis	
Percent w. No Documented Diagnosis (of those not passing):	42.4% (n = 26,869)
o In Process	1.2% (n = 785)
o Infant Died / Parents Declined	3.7% (n = 2,319)
o Non-Resident / Moved	2.6% (n = 1,622)
o Overall Percent Loss to Follow-up (LFU) / Loss to Documentation (LTD) for Diagnosis ^c	34.4% (n = 21,819) (Range 0.0 – 90.8%)
▪ LFU/LTD = # Parents/Family Contacted but Unresponsive (5,649) + # Unable to Contact (3,768) + # Unknown (12,402)	
▪ Percent LFU / LTD for Diagnosis: Due to Unable to Contact and Unknown	25.5% (n = 16,170)
▪ Percent Unresponsive for Diagnosis: Due to Parents/Family Contacted but Unresponsive	8.9% (n = 5,649)
Other Cases of Hearing Loss	
Number of Additional Cases (e.g., late-onset hearing loss & infants not screened at birth)	n = 562
Number of Cases of Non-Permanent / Transient Hearing Loss	n = 1,093
Documented Referral to Early Intervention (EI) (based on 6,163 infants w. hearing loss)	
Percent Referred to Part C EI (of those with hearing loss)	87.9% (n = 5,419)
o Percent Eligible for Part C EI (of those referred)	92.8% (n = 5,031)
Percent Not Referred to Part C and Unknown (of those with hearing loss)	11.5% (n = 707)
Documented Enrollment in EI	
Percent w. Hearing Loss Receiving EI (Part C & Non-Part C)	64.9% (n = 4,000) (Range 0.0% - 100%)
o Receiving EI = # in Part C EI (3,897) + # in Non-Part C EI (103)	
o Percent Receiving EI before 6 Months of Age (Part C & Non-Part C)	67.9% (n = 2,717)
No Documented Enrollment in EI	
Percent Receiving No EI Services (of those with hearing loss)	34.4% (n = 2,122)
o Infant Died / Parents Declined (of those with hearing loss)	7.3% (n = 448)
o Non-Resident / Moved (of those with hearing loss)	2.0% (n = 125)
o Not Eligible for Part C EI	1.3% (n = 82)
o Percent LFU / LTD for Intervention ^c	23.8% (n = 1,467) (Range 0.0 % - 100%)
▪ LFU/LTD = # Parents/Family Contacted but Unresponsive (132) + # Unable to Contact (136) + # Unknown (1,199)	

Notes: ^aAll 56 states and territories responded to all parts of the survey. ^bDue to incomplete data in the total occurrent births reported to the District of Columbia's EHDI program, the number of births according to vital records was used for this jurisdiction, to calculate this field. ^cRespondents had the option to either use the revised definition or previous version for the field "Parents/Family Contacted but Unresponsive." 40 jurisdictions used the revised definition for the 2014 HSFS.

For summaries by jurisdiction please visit: www.cdc.gov/ncbddd/hearingloss/ehdi-data.html

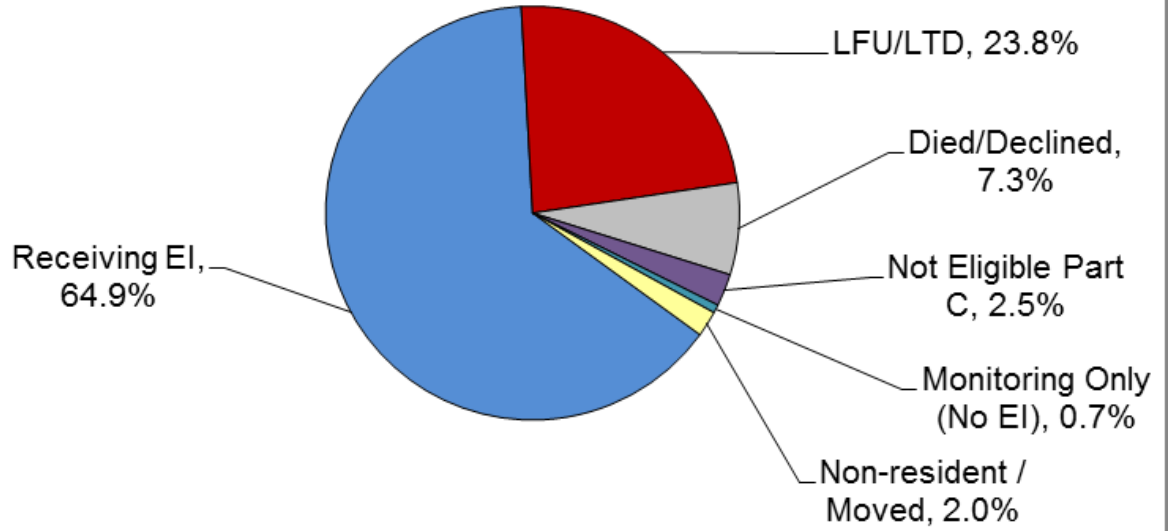
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Documented Intervention Status of Infants with Hearing Loss

(U.S., 2014) Total w. Hearing Loss = 6,163



Summary of 2014 National CDC EHDl Data

Data Notes

- HSFS data reflects information that states and territories have reportedly **documented** without estimation. As a result, data reported by CDC EHDl may differ from other sources.
- Some respondents only provided partial data (e.g. hearing screening data only). As a result the number of reporting states and territories and denominators varies for some of the data sections.
- This data is subject to change if additional states and/or territories report data for year 2014.
- **In Process:** Respondents were advised that to be reported in this category each infant must have been seen for diagnostic testing at least one time and have a follow-up appointment already scheduled.
- **LFU (Loss to Follow-up) / LTD (Loss to Documentation):** Sub group of “No Documented Diagnosis / Undetermined” and “No Intervention Services.” Includes instances where infant’s families were *Unable to be contacted or Unresponsive*, and *Unknown cases*.

Explanation of 2014 Calculations

Documented Hearing Screening (based on data from 56 States & Territories)

Percent Screened

$3,877,851$ (# screened) / $3,963,042$ (occurrent births reported by EHDl programs) x 100 = 97.9%

Percent Screened (excluding infant deaths & parental refusals)

$3,877,851$ (# screened) / $3,963,042$ (occurrent births excluding infant deaths & parental refusals) x 100 = 98.4%

Percent Screened Before 1 Month of Age

$3,724,684$ (# Pass and # Not Pass before 1 Month of Age) / $3,877,851$ (# Pass + # Not Pass) x 100 = 96.1%

Percent Not Passing final / most recent hearing screening

$63,341$ (# not pass) / $3,877,851$ (# screened) x 100 = 1.6%

Percent Not Passing Inpatient (IP) Screen and Not Receiving an Outpatient (OP) Screen

$7,591$ (# not passing IP screen and not receiving an OP screen) / $63,341$ (# not pass) x 100 = 12.0%

Documented Diagnosis (based on 63,341 infants not passing / data from 56 States & Territories)

Percent Diagnosed

$30,309$ (# w. no hearing loss) + $6,163$ (# with diagnosed permanent hearing loss) / $63,341$ (# not pass) x 100 = 57.6%

Percent with No Hearing Loss (i.e., no diagnosed hearing loss)

$30,309$ (# w. no hearing loss) / $63,341$ (# not pass) x 100 = 47.9%

Percent Hearing Loss

$6,163$ (# with diagnosed permanent hearing loss) / $63,341$ (# not pass) x 100 = 9.7%

Percent Diagnosed before 3 Months of Age

$26,002$ (# diagnosed with no hearing loss + # with permanent hearing loss before 3 Months) / $36,472$ (# diagnosed with no hearing loss + # with permanent hearing loss) x 100 = 71.3%

Prevalence of Hearing Loss

$6,163$ (# with diagnosed permanent hearing loss) / $3,877,851$ (# screened) x 1,000 = 1.6 per 1,000 screened

No Documented Diagnosis (based on 63,341 infants not passing screening / data from 56 States & Territories)

Percent with No Documented Diagnosis (of those Not Passing)

$26,869$ (# with no documented diagnosis) / $63,341$ (# not pass screening) x 100 = 42.4%

Percent In Process

785 (# in process) / $63,341$ (# not pass screening) x 100 = 1.2%

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Percent Infant Died / Parents Declined Services

2,319 (# infant died / parents declined services) / 63,341 (# not pass screening) x 100 = 3.7%

Percent Non-resident or Moved Out of Jurisdiction

1,622 (# non-resident or moved out of jurisdiction) / 63,341 (# not pass screening) x 100 = 2.6%

Overall Percent LFU / LTD (i.e., Unable to Contact / Unresponsive / Unknown)

21,819 (# unable to contact / unresponsive / unknown) / 63,341 (# not pass screening) x 100 = 34.4%

Percent LFU/LTD for Diagnosis: Due to Unable to Contact and Unknown

16,170 (# unable to contact + # unknown) / 63,341 (# not pass screening) x 100 = 25.5%

Percent Unresponsive for Diagnosis: Due to Parents/Family Contacted but Unresponsive

5,649 (# parents/family contacted but unresponsive) / 63,341 (# not pass screening) x 100 = 8.9%

Documented Referral to EI (based on 6,163 infants w. hearing loss / 56 States & Territories)

Percent Referred to Part C EI (of those with hearing loss)

5,419 (# referred to Part C EI) / 6,163 (# w. permanent hearing loss) x 100 = 87.9%

Percent Eligible for Part C EI (of those referred)

5,031 (# eligible for Part C) / 5,419 (# referred to Part C) x 100 = 92.8%

Percent Not Referred to Part C and Unknown (of those with hearing loss)

707 (# not referred to Part C and unknown) / 6,163 (# w. permanent hearing loss) x 100 = 11.5%

Documented Enrollment in EI (based on 6,163 infants w. hearing loss / 56 States & Territories)

Percent w. Hearing Loss Receiving EI (Part C & Non-Part C)

4,000 (# w. hearing loss receiving Part C & non-Part C EI) / 6,163 (# w. permanent hearing loss) x 100 = 64.9%

Percent Receiving EI before 6 Months of Age (Part C & Non-Part C)

2,717 (# receiving Part C EI before 6 months + # receiving Non-Part C EI before 6 Months) / 4,000 (# receiving Part C EI + # receiving Non-Part C EI) x 100 = 67.9%

No Documented Enrollment in EI (based on 6,163 infants w. hearing loss / 56 States & Territories)

Percent Receiving No EI Services (of those with hearing loss)

2,122 (# not receiving any EI services) / 6,163 (# w. permanent hearing loss) x 100 = 34.4%

Percent Infant Died / Parents Declined (of those with hearing loss)

448 (# infant died / parents declined services) / 6,163 (# w. permanent hearing loss) x 100 = 7.3%

Percent Non-Resident / Moved (of those with hearing loss)

125 (# non-resident or moved out of jurisdiction) / 6,163 (# w. permanent hearing loss) x 100 = 2.0%

Percent Not Eligible for Part C Intervention

82 (# not eligible for Part C Intervention) / 6,163 (# w. permanent hearing loss) x 100 = 1.3%

Percent LFU / LTD for Intervention

1,467 (# unable to contact / unresponsive / unknown) / 6,163 (# w. permanent hearing loss) x 100 = 23.8%