

2021 Summary of Diagnostics Among Infants Not Passing Hearing Screening

September 2023

Data Source: 2021 CDC EHDI Hearing Screening & Follow-up Survey (HSFS) (www.cdc.gov/ncbddd/hearingloss/ehdi-data.html)

State/Territory (n=51)	Births Reported to EHDI Program	Total Screened	Total Not Pass ^a	Percent Not Pass among those Screened ^b	No Hearing Loss (includes transient hearing loss cases)	Percent w. No Hearing Loss among Infants Not Passing Screen ^c	Permanent Hearing Loss	Percent w. Permanent Hearing Loss among Infants Not Passing Screen ^d	Prevalence per 1,000 Births ^e	No Diagnosis: LFU/LTD				
										Parents/ Family Contacted but Unresponsive	Unable to Contact	Unknown	Number LFU/LTD: Due to Contacted but Unresponsive + Unable to Contact + Unknown among Infants Not Passing Screen	Percent LFU/LTD ^f : Due to Contacted but Unresponsive + Unable to Contact + Unknown among Infants Not Passing Screen
Alaska	9,363	8,833	160	1.8	54	33.8	13	8.1	1.4	32	27	2	61	38.1
Arizona	78,481	76,952	1,312	1.7	269	20.5	192	14.6	2.4	97	109	564	770	58.7
Arkansas	34,917	34,451	527	1.5	169	32.1	48	9.1	1.4	11	5	183	199	37.8
California	414,146	412,152	2,505	0.6	863	34.5	884	35.3	2.1	131	84	0	215	8.6
Colorado	62,995	61,160	1,015	1.7	178	17.5	161	15.9	2.6	0	52	611	663	65.3
Commonwealth of the Northern Mariana Islands	575	569	10	1.8	4	40.0	1	10.0	1.7	0	4	0	4	40.0
Connecticut	36,949	36,629	456	1.2	307	67.3	95	20.8	2.6	31	0	1	32	7.0
Delaware	11,050	10,780	240	2.2	13	5.4	17	7.1	1.5	0	74	122	196	81.7
District of Columbia	12,074	11,964	229	1.9	46	20.1	10	4.4	0.8	0	0	92	92	40.2
Florida	216,536	207,461	3,601	1.7	1,865	51.8	300	8.3	1.4	605	381	0	986	27.4
Georgia	125,046	119,859	3,032	2.5	704	23.2	203	6.7	1.6	206	80	1,270	1,556	51.3
Hawaii	15,552	15,178	248	1.6	146	58.9	54	21.8	3.5	14	11	16	41	16.5
Idaho	21,889	20,947	899	4.3	612	68.1	64	7.1	2.9	145	40	22	207	23.0
Illinois	128,891	127,259	2,295	1.8	1,461	63.7	362	15.8	2.8	54	20	308	382	16.6
Indiana	80,141	78,211	3,886	5.0	3,008	77.4	188	4.8	2.3	190	61	20	271	7.0
Iowa	36,845	36,185	429	1.2	225	52.4	66	15.4	1.8	33	44	1	78	18.2
Kansas	36,362	36,016	654	1.8	457	69.9	98	15.0	2.7	23	19	21	63	9.6
Kentucky	49,678	48,472	1,264	2.6	886	70.1	52	4.1	1.0	96	58	47	201	15.9
Louisiana	57,349	56,525	707	1.3	306	43.3	80	11.3	1.4	96	171	1	268	37.9
Maine	11,683	11,265	345	3.1	256	74.2	27	7.8	2.3	28	0	13	41	11.9
Maryland	65,092	64,074	972	1.5	436	44.9	71	7.3	1.1	237	129	0	366	37.7
Massachusetts	70,105	69,427	1,556	2.2	1,229	79.0	156	10.0	2.2	9	9	35	53	3.4
Michigan	102,661	101,521	1,272	1.3	396	31.1	192	15.1	1.9	363	164	45	572	45.0
Minnesota	63,539	62,727	1,371	2.2	717	52.3	179	13.1	2.8	245	36	16	297	21.7
Missouri	69,378	67,854	1,124	1.7	563	50.1	127	11.3	1.8	0	14	369	383	34.1
Montana	11,250	10,886	258	2.4	48	18.6	8	3.1	0.7	158	0	34	192	74.4
Nebraska	24,799	24,629	354	1.4	210	59.3	60	16.9	2.4	52	5	0	57	16.1
Nevada	33,290	31,625	509	1.6	157	30.8	60	11.8	1.8	58	107	103	268	52.7
New Hampshire ^g	12,724	10,722	403	3.8	185	45.9	20	5.0	1.6	0	0	186	186	46.2
New Jersey	98,526	97,272	773	0.8	236	30.5	87	11.3	0.9	226	31	179	436	56.4
New Mexico	18,597	18,504	404	2.2	228	56.4	39	9.7	2.1	63	32	3	98	24.3
New York	211,546	204,733	3,247	1.6	565	17.4	234	7.2	1.1	0	0	2,235	2,235	68.8
North Carolina	122,937	121,678	1,297	1.1	410	31.6	245	18.9	2.0	99	216	140	455	35.1
North Dakota	11,684	11,517	297	2.6	99	33.3	15	5.1	1.3	73	46	0	119	40.1
Ohio	130,424	126,767	5,799	4.6	4,173	72.0	284	4.9	2.2	801	193	10	1,004	17.3
Oklahoma ^h	46,512	46,090	792	1.7	0	0.0	102	12.9	2.2	12	414	0	426	53.8
Oregon	41,555	40,889	1,581	3.9	1,200	75.9	115	7.3	2.8	97	11	79	187	11.8
Pennsylvania	132,153	129,655	1,726	1.3	707	41.0	240	13.9	1.8	366	172	139	677	39.2
Puerto Rico	19,185	18,797	399	2.1	198	49.6	9	2.3	0.5	61	4	14	79	19.8
Rhode Island	11,001	10,794	328	3.0	226	68.9	16	4.9	1.5	73	0	0	73	22.3
South Carolina	53,213	51,790	925	1.8	170	18.4	128	13.8	2.4	159	11	427	597	64.5
South Dakota	12,210	11,307	641	5.7	37	5.8	35	5.5	2.9	0	0	540	540	84.2
Tennessee	87,212	86,010	2,398	2.8	1,341	55.9	154	6.4	1.8	524	113	0	637	26.6
Texas	366,240	361,897	6,036	1.7	1,808	30.0	471	7.8	1.3	7	6	3,223	3,236	53.6
Utah	47,971	47,372	766	1.6	591	77.2	113	14.8	2.4	30	0	0	30	3.9
Vermont	5,120	5,045	44	0.9	36	81.8	8	18.2	1.6	0	0	0	0	0.0
Virginia	96,120	93,894	1,619	1.7	990	61.1	137	8.5	1.4	193	43	0	236	14.6
Washington	82,531	81,810	1,080	1.3	383	35.5	168	15.6	2.0	255	93	27	375	34.7
West Virginia	18,213	17,968	975	5.4	567	58.2	17	1.7	0.9	5	7	240	252	25.8
Wisconsin	61,489	60,251	777	1.3	373	48.0	101	13.0	1.6	152	8	13	173	22.3
Wyoming	5,647	5,550	33	0.6	20	60.6	12	36.4	2.1	0	0	0	0	0.0
Totals	3,573,446	3,503,723	63,570	1.8	30,128	47.4	6,518	10.3	1.8	6,110	3,104	11,351	20,565	32.4

Data include information about any services that infants born in the calendar year 2021 received through 2022, until time of survey reporting.

^aThe program is experiencing data migration challenges, therefore data may not be accurate.

^bThere are infants diagnosed with no hearing loss. However they are not captured in the HSFS under the Diagnostic Data section.

LFU/LTD = Loss to Follow-up/Loss to Documentation

^cTotal Not Pass includes infants who did not pass hearing screen (60,824) and infants who missed hearing screen due to being sent straight to diagnostic evaluation (2,746).

^dPercent Not Pass among those Screened: (# Total Not Pass / # Total Screened) x 100

^ePercent with No Hearing Loss among Infants Not Passing Screen: ((# No Hearing Loss + # Transient Hearing Loss) / # Total Not Pass) x 100

^fPercent with Permanent Hearing Loss among Infants Not Passing Screen: (# Permanent Hearing Loss / # Total Not Pass) x 100

^gPrevalence per 1,000 births: (# Permanent Hearing Loss / # Births Reported to EHDI Program) x 1,000

^hPercent LFU/LTD Due to Contacted but Unresponsive + Unable to Contact + Unknown among Infants Not Passing Screen: ((# Contacted but Unresponsive + # Unable to Contact + # Unknown) / # Total Not Pass) x 100