

2020 Summary of Diagnostics Among Infants Not Passing Hearing Screening

January 2023

Data Source: 2020 CDC EHDI Hearing Screening & Follow-up Survey (HSFS) ([www.cdc.gov/ncbddd/hearingloss/ehdi-data.html](http://www.cdc.gov/ncbddd/hearingloss/ehdi-data.html))

State / Territory (n = 56)	Total Screened	Total Not Pass*	Percent Not Pass among those Screened <sup>a</sup>	No Hearing Loss (includes transient hearing loss cases)	Percent w. No Hearing Loss among Infants Not Passing Screen <sup>†</sup>	Permanent Hearing Loss	Percent w. Permanent Hearing Loss among Infants Not Passing Screen <sup>‡</sup>	Prevalence per 1,000 screened <sup>§</sup>	No Documented Diagnosis: LFU/LTD						
									Parents/ Family Contacted but Unresponsive	Unable to Contact	Unknown	Overall Number LFU/LTD: Due to Contacted but Unresponsive + Unable to Contact + Unknown	Overall Percent LFU/LTD <sup>¶</sup> : Due to Contacted but Unresponsive + Unable to Contact + Unknown among Infants Not Passing Screen	Percent LFU/LTD <sup>**</sup> : Due to Unable to Contact + Unknown among Infants Not Passing Screen	Percent Unresponsive <sup>§§</sup> : Due to Parents/ Family Contacted but Unresponsive among Infants Not Passing Screen
Alabama	52,933	374	0.7	268	71.7	106	28.3	2.0	0	0	0	0	0.0	0.0	0.0
Alaska	8,817	160	1.8	56	35.0	14	8.8	1.6	27	16	4	47	29.4	12.5	16.9
American Samoa	725	7	1.0	3	42.9	0	0.0	0.0	0	0	0	0	0.0	0.0	0.0
Arizona	76,477	1,212	1.6	365	30.1	188	15.5	2.5	179	393	5	577	47.6	32.8	14.8
Arkansas	33,648	625	1.9	112	17.9	58	9.3	1.7	15	110	152	277	44.3	41.9	2.4
California	411,386	2,588	0.6	886	34.2	901	34.8	2.2	185	138	48	371	14.3	7.2	7.1
Colorado	58,661	1,552	2.6	203	13.1	109	7.0	1.9	0	95	1,121	1,216	78.4	78.4	0.0
Commonwealth of the Northern Mariana Islands	648	10	1.5	3	30.0	1	10.0	1.5	5	0	0	5	50.0	0.0	50.0
Connecticut	34,727	450	1.3	277	61.6	91	20.2	2.6	0	19	23	42	9.3	9.3	0.0
Delaware	10,678	247	2.3	19	7.7	14	5.7	1.3	0	76	138	214	86.6	86.6	0.0
District of Columbia	12,167	303	2.5	20	6.6	14	4.6	1.2	33	14	197	244	80.5	69.6	10.9
Florida	205,857	9,501	4.6	7,805	82.1	274	2.9	1.3	476	316	152	944	9.9	4.9	5.0
Georgia	119,291	2,897	2.4	684	23.6	215	7.4	1.8	235	103	1,207	1,545	53.3	45.2	8.1
Guam	2,614	84	3.2	7	8.3	5	6.0	1.9	7	47	3	57	67.9	59.5	8.3
Hawaii	15,496	299	1.9	147	49.2	51	17.1	3.3	14	10	70	94	31.4	26.8	4.7
Idaho	20,491	888	4.3	585	65.9	69	7.8	3.4	171	17	18	206	23.2	3.9	19.3
Illinois	129,008	2,487	1.9	1,392	56.0	307	12.3	2.4	76	24	580	680	27.3	24.3	3.1
Indiana	73,387	3,673	5.0	2,803	76.3	178	4.8	2.4	260	52	41	353	9.6	2.5	7.1
Iowa	35,370	492	1.4	262	53.3	62	12.6	1.8	29	27	0	56	11.4	5.5	5.9
Kansas	35,529	641	1.8	500	78.0	53	8.3	1.5	20	4	6	30	4.7	1.6	3.1
Kentucky	48,138	1,181	2.5	778	65.9	65	5.5	1.4	66	93	71	230	19.5	13.9	5.6
Louisiana	56,306	751	1.3	384	51.1	81	10.8	1.4	74	156	1	231	30.8	20.9	9.9
Maine	10,939	367	3.4	269	73.3	30	8.2	2.7	25	0	17	42	11.4	4.6	6.8
Maryland	64,508	1,152	1.8	589	51.1	88	7.6	1.4	213	22	105	340	29.5	11.0	18.5
Massachusetts	66,548	1,387	2.1	1,043	75.2	152	11.0	2.3	6	0	27	33	2.4	1.9	0.4
Michigan	100,867	1,266	1.3	320	25.3	186	14.7	1.8	319	283	27	629	49.7	24.5	25.2
Micronesia	1,496	94	6.3	93	98.9	1	1.1	0.7	0	0	0	0	0.0	0.0	0.0
Minnesota	62,006	1,357	2.2	637	46.9	160	11.8	2.6	225	40	7	272	20.0	3.5	16.6
Missouri	68,388	1,265	1.8	576	45.5	117	9.2	1.7	475	5	0	480	37.9	0.4	37.5
Montana	10,452	235	2.2	28	11.9	9	3.8	0.9	117	0	71	188	80.0	30.2	49.8
Nebraska	24,449	186	0.8	119	64.0	67	36.0	2.7	0	0	0	0	0.0	0.0	0.0
Nevada	32,159	478	1.5	137	28.7	40	8.4	1.2	20	30	226	276	57.7	53.6	4.2
New Hampshire	11,314	411	3.6	215	52.3	16	3.9	1.4	77	0	64	141	34.3	15.6	18.7
New Jersey	94,194	839	0.9	251	29.9	98	11.7	1.0	0	0	472	472	56.3	56.3	0.0
New Mexico	18,919	773	4.1	264	34.2	34	4.4	1.8	77	0	18	95	12.3	2.3	10.0
New York	202,386	3,051	1.5	567	18.6	268	8.8	1.3	0	0	2,049	2,049	67.2	67.2	0.0
North Carolina	117,658	1,290	1.1	436	33.8	245	19.0	2.1	116	223	75	414	32.1	23.1	9.0
North Dakota	11,396	309	2.7	102	33.0	19	6.1	1.7	95	39	0	134	43.4	12.6	30.7
Ohio	126,716	5,758	4.5	4,016	69.7	294	5.1	2.3	838	275	5	1,118	19.4	4.9	14.6
Oklahoma	45,569	729	1.6	0	0.0	76	10.4	1.7	67	358	0	425	58.3	49.1	9.2
Oregon	39,637	1,415	3.6	1,114	78.7	81	5.7	2.0	84	13	27	124	8.8	2.8	5.9
Palau	209	2	1.0	0	0.0	0	0.0	0.0	0	0	0	0	0.0	0.0	0.0
Pennsylvania	127,406	1,118	0.9	515	46.1	178	15.9	1.4	84	174	71	329	29.4	21.9	7.5
Puerto Rico	18,603	523	2.8	280	53.5	10	1.9	0.5	73	44	0	117	22.4	8.4	14.0

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									Parents/ Family Contacted but Unresponsive	Unable to Contact	Unknown	Overall Number LFU/LTD: Due to Contacted but Unresponsive + Unable to Contact + Unknown	Overall Percent LFU/LTD <sup>**</sup> : Due to + Contacted but Unresponsive + Unable to Contact + Unknown among Infants Not Passing Screen	Percent LFU/LTD <sup>††</sup> : Due to + Unable to Contact + Unknown among Infants Not Passing Screen	Percent Unresponsive <sup>§§</sup> : Due to Parents/ Family Contacted but Unresponsive among Infants Not Passing Screen
Rhode Island	10,530	324	3.1	223	68.8	23	7.1	2.2	54	0	0	54	16.7	0.0	16.7
South Carolina	50,731	996	2.0	201	20.2	107	10.7	2.1	154	3	506	663	66.6	51.1	15.5
South Dakota	10,995	410	3.7	49	12.0	24	5.9	2.2	0	0	299	299	72.9	72.9	0.0
Tennessee	83,479	2,999	3.6	2,047	68.3	160	5.3	1.9	399	150	0	549	18.3	5.0	13.3
Texas	359,770	5,834	1.6	1,583	27.1	404	6.9	1.1	22	20	3,029	3,071	52.6	52.3	0.4
Utah	46,330	803	1.7	592	73.7	134	16.7	2.9	29	8	0	37	4.6	1.0	3.6
Vermont	4,856	39	0.8	33	84.6	6	15.4	1.2	0	0	0	0	0.0	0.0	0.0
Virginia	92,277	1,706	1.8	897	52.6	140	8.2	1.5	159	16	160	335	19.6	10.3	9.3
Washington	81,189	1,132	1.4	480	42.4	160	14.1	2.0	293	47	0	340	30.0	4.2	25.9
West Virginia	17,939	905	5.0	365	40.3	9	1.0	0.5	0	3	381	384	42.4	42.4	0.0
Wisconsin	59,120	830	1.4	387	46.6	115	13.9	1.9	163	10	9	182	21.9	2.3	19.6
Wyoming	5,535	46	0.8	22	47.8	14	30.4	2.5	1	0	0	0	0.0	0.0	2.2
<b>Totals</b>	<b>3,520,924</b>	<b>70,451</b>	<b>2.0</b>	<b>36,009</b>	<b>51.1</b>	<b>6,321</b>	<b>9.0</b>	<b>1.8</b>	<b>6,057</b>	<b>3,473</b>	<b>11,482</b>	<b>21,012</b>	<b>29.8</b>	<b>21.2</b>	<b>8.6</b>

In many regions the COVID-19 pandemic interrupted the delivery of health care services in 2020, including newborn hearing screening and follow-up diagnostic and intervention services. As a result, infants born in 2020 and needing hearing screening and/or follow-up services may have experienced delays or had difficulties obtaining these services.

Data include information about any services that infants born in the calendar year 2020 received through 2021, until time of survey reporting.

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

\*Total Not Pass includes infants who missed hearing screen due to being sent straight to diagnostic evaluation.

<sup>q</sup>Percent Not Pass among those Screened: (# Total Not Pass / # Total Screened) \* 100

<sup>†</sup>Percent with No Hearing Loss among Infants Not Passing Screen: ((# No Hearing Loss + # Transient Hearing Loss) / # Total Not Pass) \* 100

<sup>§</sup>Percent with Permanent Hearing Loss among Infants Not Passing Screen: (# Permanent Hearing Loss / # Total Not Pass) \* 100

<sup>¶</sup>Prevalence per 1,000 screened: (# Hearing Loss / # Total Screened) \* 1,000

<sup>\*\*</sup>Overall Percent LFU / LTD among Infants Not Passing Screen: ((# Contacted but Unresponsive + # Unable to Contact + # Unknown) / # Total Not Pass) \* 100

<sup>††</sup>Percent LFU / LTD due to Unable to Contact and Unknown among Infants Not Passing Screen : ((# Unable to Contact + # Unknown) / # Total Not Pass) \* 100

<sup>§§</sup>Percent Unresponsive due to Contacted but Unresponsive among Not Passing Screen : (# Contacted but Unresponsive / # Total Not Pass) \* 100