

2020 Summary of Infants Not Passing Hearing Screening Diagnosed Before 3 Months of Age

January 2023

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

State / Territory (n = 56)	Total Screened	Total Not Pass*	No Hearing Loss (e.g., normal hearing, transient hearing)	No Hearing Loss Diagnosed Before 3 Months of Age	Permanent Hearing Loss	Permanent Hearing Loss Diagnosed Before 3 Months of Age	Prevalence per 1,000 Screened*	Total Diagnosed (Includes cases of normal hearing, permanent hearing loss, and transient hearing loss)	Total Diagnosed Before 3 Months of Age (Includes cases of normal hearing, permanent hearing loss, and transient hearing loss)	Percent Diagnosed Before 3 Months of Age † among the Diagnosed (Includes cases of normal hearing, permanent hearing loss, and transient hearing loss)	Percent Diagnosed Before 3 Months of Age ‡ among those Not Passing the Screen (Includes cases of normal hearing, permanent hearing loss, and transient hearing loss)
Alabama	52,933	374	268	199	106	62	2.0	374	261	69.8	69.8
Alaska	8,817	160	56	35	14	9	1.6	70	44	62.9	27.5
American Samoa	725	7	3	0	0	0	0.0	3	0	0.0	0.0
Arizona	76,477	1,212	365	236	188	110	2.5	553	346	62.6	28.5
Arkansas	33,648	625	112	39	58	29	1.7	170	68	40.0	10.9
California	411,386	2,588	886	452	901	596	2.2	1,787	1,048	58.6	40.5
Colorado	58,661	1,552	203	131	109	88	1.9	312	219	70.2	14.1
Commonwealth of the Northern Mariana Islands	648	10	3	2	1	1	1.5	4	3	75.0	30.0
Connecticut	34,727	450	277	222	91	60	2.6	368	282	76.6	62.7
Delaware	10,678	247	19	4	14	9	1.3	33	13	39.4	5.3
District of Columbia	12,167	303	20	15	14	13	1.2	34	28	82.4	9.2
Florida	205,857	9,501	7,805	1,210	274	161	1.3	8,079	1,371	17.0	14.4
Georgia	119,291	2,897	684	487	215	132	1.8	899	619	68.9	21.4
Guam	2,614	84	7	0	5	3	1.9	12	3	25.0	3.6
Hawaii	15,496	299	147	130	51	40	3.3	198	170	85.9	56.9
Idaho	20,491	888	585	516	69	50	3.4	654	566	86.5	63.7
Illinois	129,008	2,487	1,392	1,058	307	195	2.4	1,699	1,253	73.7	50.4
Indiana	73,387	3,673	2,803	2,279	178	101	2.4	2,981	2,380	79.8	64.8
Iowa	35,370	492	262	172	62	32	1.8	324	204	63.0	41.5
Kansas	35,529	641	500	382	53	28	1.5	553	410	74.1	64.0
Kentucky	48,138	1,181	778	542	65	46	1.4	843	588	69.8	49.8
Louisiana	56,306	751	384	296	81	55	1.4	465	351	75.5	46.7
Maine	10,939	367	269	185	30	20	2.7	299	205	68.6	55.9
Maryland	64,508	1,152	589	369	88	50	1.4	677	419	61.9	36.4
Massachusetts	66,548	1,387	1,043	858	152	102	2.3	1,195	960	80.3	69.2
Michigan	100,867	1,266	320	154	186	114	1.8	506	268	53.0	21.2
Micronesia	1,496	94	93	93	1	1	0.7	94	94	100.0	100.0
Minnesota	62,006	1,357	637	486	160	136	2.6	797	622	78.0	45.8
Missouri	68,388	1,265	576	454	117	69	1.7	693	523	75.5	41.3
Montana	10,452	235	28	18	9	3	0.9	37	21	56.8	8.9
Nebraska	24,449	186	119	66	67	46	2.7	186	112	60.2	60.2
Nevada	32,159	478	137	66	40	25	1.2	177	91	51.4	19.0
New Hampshire	11,314	411	215	55	16	4	1.4	231	59	25.5	14.4
New Jersey	94,194	839	251	179	98	67	1.0	349	246	70.5	29.3
New Mexico	18,919	773	264	98	34	13	1.8	298	111	37.2	14.4
New York	202,386	3,051	567	321	268	153	1.3	835	474	56.8	15.5
North Carolina	117,658	1,290	436	246	245	134	2.1	681	380	55.8	29.5
North Dakota	11,396	309	102	51	19	11	1.7	121	62	51.2	20.1
Ohio	126,716	5,758	4,016	3,385	294	206	2.3	4,310	3,591	83.3	62.4
Oklahoma	45,569	729	0	0	76	43	1.7	76	43	56.6	5.9

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Oregon	39,637	1,415	1,114	872	81	52	2.0	1,195	924	77.3	65.3
Palau	209	2	0	0	0	0	0.0	0	0	n/a	0.0
Pennsylvania	127,406	1,118	515	406	178	134	1.4	693	540	77.9	48.3
Puerto Rico	18,603	523	280	127	10	2	0.5	290	129	44.5	24.7
Rhode Island	10,530	324	223	133	23	22	2.2	246	155	63.0	47.8
South Carolina	50,731	996	201	156	107	69	2.1	308	225	73.1	22.6
South Dakota	10,995	410	49	40	24	17	2.2	73	57	78.1	13.9
Tennessee	83,479	2,999	2,047	1,342	160	54	1.9	2,207	1,396	63.3	46.5
Texas	359,770	5,834	1,583	1,009	404	257	1.1	1,987	1,266	63.7	21.7
Utah	46,330	803	592	513	134	116	2.9	726	629	86.6	78.3
Vermont	4,856	39	33	33	6	4	1.2	39	37	94.9	94.9
Virginia	92,277	1,706	897	695	140	87	1.5	1,037	782	75.4	45.8
Washington	81,189	1,132	480	226	160	86	2.0	640	312	48.8	27.6
West Virginia	17,939	905	365	333	9	7	0.5	374	340	90.9	37.6
Wisconsin	59,120	830	387	279	115	64	1.9	502	343	68.3	41.3
Wyoming	5,535	46	22	15	14	13	2.5	36	28	77.8	60.9
Totals	3,520,924	70,451	36,009	21,670	6,321	4,001	1.8	42,330	25,671	60.6	36.4

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.

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

[†]Prevalence per 1,000 Screened: (# Hearing loss / # Total Screened) x 1,000

[†]Percent Diagnosed Before 3 Months of Age among the Diagnosed: (# Total Diagnosed Before 3 Months of Age / # Total Diagnosed) * 100

[§]Percent Diagnosed Before 3 Months of Age among those Not Passing the Screen: (# Total Diagnosed Before 3 Months of Age / # Total Not Pass) * 100

[¶]There are infants diagnosed with no hearing loss. However they are not captured in the HSFS under the Diagnostic Data section.