

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 1 of 9

AGE	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	13	2.3	119	2.0	748	1.9
Total known information	555	100.0	5752	100.0	37996	100.0
Under 3 years	0	0.0	22	0.4	566	1.5
From 3 to 5 years	47	8.5	319	5.5	2490	6.6
From 6 to 9 years	139	25.0	1143	19.9	7283	19.2
From 10 to 13 years	160	28.8	1653	28.7	10634	28.0
From 14 to 17 years	142	25.6	1656	28.8	11036	29.0
18 years and older	67	12.1	959	16.7	5987	15.8
SEX	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	3	0.5	38	0.6	239	0.6
Total known information	565	100.0	5833	100.0	38505	100.0
Male	315	55.8	3171	54.4	20935	54.4
Female	250	44.2	2662	45.6	17570	45.6
RACE/ETHNIC BACKGROUND	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	22	3.9	159	2.7	595	1.5
Total known information	546	100.0	5712	100.0	38149	100.0
White	304	55.7	3362	58.9	19640	51.5
Black/African-American	75	13.7	882	15.4	5880	15.4
Hispanic/Latino	93	17.0	1025	17.9	9226	24.2
American Indian/Alaska Native	2	0.4	11	0.2	329	0.9
Asian/Pacific Islander	35	6.4	225	3.9	1567	4.1
Other	20	3.7	117	2.0	688	1.8
Multi-ethnic background indicated	17	3.1	90	1.6	819	2.1

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 2 of 9

AGE AT ONSET OF HEARING LOSS	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	62	10.9	268	4.6	1412	3.6
Total known information	506	100.0	5603	100.0	37332	100.0
At birth	276	54.5	2355	42.0	15644	41.9
Under 3 years	105	20.8	1313	23.4	7158	19.2
3 years or older	22	4.3	365	6.5	2120	5.7
Unknown	103	20.4	1570	28.0	12410	33.2
ETIOLOGY **	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	70	12.3	288	4.9	1618	4.2
Total Known Information	498	100.0	5583	100.0	37126	100.0
Genetic/Hereditary/Familial	130	26.1	1361	24.4	8087	21.8
Pregnancy Related						
Maternal rubella	3	0.6	71	1.3	246	0.7
Cytomegalovirus (CMV)	15	3.0	93	1.7	629	1.7
Maternal drug/alcohol abuse	7	1.4	46	0.8	260	0.7
Medications taken by mother	1	0.2	23	0.4	109	0.3
Rh incompatibility	0	0.0	13	0.2	97	0.3
Consequence of prematurity	21	4.2	231	4.1	1523	4.1
Trauma at birth	4	0.8	44	0.8	296	0.8
Other complications of pregnancy	20	4.0	211	3.8	1418	3.8
Post-Birth Disease/Injury						
Otitis media	9	1.8	264	4.7	1851	5.0
Meningitis	19	3.8	246	4.4	1483	4.0
Other infections	1	0.2	93	1.7	478	1.3
Medications taken by child	6	1.2	88	1.6	577	1.6
Trauma after birth	2	0.4	34	0.6	276	0.7
Other post-birth cause	10	2.0	180	3.2	1265	3.4
Cause cannot be determined/DNA	266	53.4	2821	50.5	19945	53.7

** Percent may total more than 100.0 because multiple responses were allowed

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 3 of 9

PARENTAL HEARING STATUS	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	77	13.6	459	7.8	3033	7.8
Total known info., Either Parent	491	100.0	5412	100.0	35711	100.0
Mother's status: Hearing	439	89.4	5036	93.1	32944	92.3
Hard of hearing	10	2.0	125	2.3	1015	2.8
Deaf	40	8.1	235	4.3	1614	4.5
Unknown	2	0.4	16	0.3	138	0.4
Father's status: Hearing	399	81.3	4674	86.4	30811	86.3
Hard of hearing	4	0.8	135	2.5	727	2.0
Deaf	32	6.5	209	3.9	1413	4.0
Unknown	56	11.4	394	7.3	2760	7.7
Both parents hearing	386	78.6	4550	84.1	29811	83.5
Both parents deaf or hard of hearing	33	6.7	213	3.9	1447	4.1
One parent deaf/hh; other hearing	14	2.9	239	4.4	1555	4.4
One parent deaf/hh; other unknown	6	1.2	39	0.7	320	0.9
One parent hearing; other unknown	52	10.6	371	6.9	2578	7.2
HAS DEAF OR HARD OF HEARING SIBLINGS						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	108	19.0	500	8.5	2217	5.7
Total known information	460	100.0	5371	100.0	36527	100.0
Has deaf or hard of hearing siblings	77	16.7	798	14.9	4859	13.3
Has no deaf or hard of hearing siblings	365	79.3	4148	77.2	28662	78.5
Data Not Available	18	3.9	425	7.9	3006	8.2

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 4 of 9

UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	178	31.3	1232	21.0	7982	20.6
Total known information	390	100.0	4639	100.0	30762	100.0
Earphone (preferred measurement)	371	95.1	4308	92.9	27211	88.5
Sound field	19	4.9	331	7.1	3551	11.5
DEGREE OF HEARING LOSS						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	169	29.8	880	15.0	5146	13.3
Total known information	399	100.0	4991	100.0	33598	100.0
Normal (< 27 dB, ANSI)	43	10.8	882	17.7	5630	16.8
Mild (27-40 dB, ANSI)	24	6.0	524	10.5	4134	12.3
Moderate (41-55 dB, ANSI)	34	8.5	509	10.2	4439	13.2
Mod-severe (56-70 dB, ANSI)	48	12.0	515	10.3	4150	12.4
Severe (71-90 dB, ANSI)	95	23.8	760	15.2	5109	15.2
Profound (91 dB and above, ANSI)	155	38.8	1801	36.1	10136	30.2
COCHLEAR IMPLANT						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	96	16.9	300	5.1	1591	4.1
Total known information	472	100.0	5571	100.0	37153	100.0
Have not had a cochlear implant	402	85.2	4989	89.6	33578	90.4
Have had a cochlear implant	70	14.8	582	10.4	3575	9.6
Implant Use						
Total students	70	100.0	582	100.0	3575	100.0
Information NOT reported	4	5.7	35	6.0	160	4.5
Total known information	66	100.0	547	100.0	3415	100.0
Implant still used	61	92.4	522	95.4	3118	91.3
Implant no longer used	5	7.6	25	4.6	297	8.7

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 5 of 9

COCHLEAR IMPLANT USE IN CLASSROOM	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	70	100.0	582	100.0	3575	100.0
Information NOT reported	16	22.9	200	34.4	1130	31.6
Total known information	54	100.0	382	100.0	2445	100.0
Implant used in classroom	53	98.1	366	95.8	2194	89.7
Implant not used in classroom	1	1.9	16	4.2	251	10.3
FUNCTIONAL HEARING ABILITY						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	101	17.8	306	5.2	1488	3.8
Total known information	467	100.0	5565	100.0	37256	100.0
Functions normally	43	9.2	873	15.7	4808	12.9
Mildly limited	91	19.5	1869	33.6	14113	37.9
+ Moderately limited	17	3.6	300	5.4	1995	5.4
Severely limited	184	39.4	1802	32.4	11523	30.9
No functional hearing	132	28.3	721	13.0	4817	12.9
HEARING AID USE FOR INSTRUCTION						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	101	17.8	293	5.0	1128	2.9
Total known information	467	100.0	5578	100.0	37616	100.0
Hearing aid used for instruction	262	56.1	3364	60.3	22568	60.0
Hearing aid not used for instruction	205	43.9	2214	39.7	15048	40.0
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	176	31.0	674	11.5	2758	7.1
Total known information	392	100.0	5197	100.0	35986	100.0
Group ALD used for instruction	197	50.3	2807	54.0	14441	40.1
Group ALD not used for instruction	195	49.7	2390	46.0	21545	59.9

+ "Moderately limited" is a new, added response for the functional hearing ability question in the 2003-04 Annual Survey. This response is not included in the data reported to the 2003-04 Texas State Survey.

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 6 of 9

SPOKEN/WRITTEN LANGUAGES IN THE HOME	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	76	13.4	229	3.9	1098	2.8
Total known information	492	100.0	5642	100.0	37646	100.0
English	374	76.0	4452	78.9	28724	76.3
Spanish	34	6.9	574	10.2	4409	11.7
Other	36	7.3	179	3.2	980	2.6
Multiple languages	48	9.8	437	7.7	3533	9.4
SIGN USE IN THE HOME						
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	103	18.1	405	6.9	1902	4.9
Total known information	465	100.0	5466	100.0	36842	100.0
Family members regularly sign	200	43.0	1522	27.8	9921	26.9
Family members do not regularly sign	254	54.6	3762	68.8	25415	69.0
Data not available	11	2.4	182	3.3	1506	4.1
COMMUNICATION MODE PRIMARILY USED IN TEACHING						
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	24	4.2	66	1.1	394	1.0
Total known information	544	100.0	5805	100.0	38350	100.0
Speech only	176	32.4	2602	44.8	18120	47.2
Sign and speech	144	26.5	2647	45.6	15460	40.3
Sign only	222	40.8	498	8.6	4175	10.9
Cued Speech	0	0.0	8	0.1	117	0.3
Other	2	0.4	50	0.9	478	1.2

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 7 of 9

INSTRUCTIONAL SETTINGS **	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	63	11.1	102	1.7	567	1.5
Total known information	505	100.0	5769	100.0	38177	100.0
Special school or center	373	73.9	2708	46.9	10354	27.1
Self-contained clrm in req. ed. setting	43	8.5	727	12.6	11854	31.1
Resource room	12	2.4	520	9.0	5290	13.9
Regular education setting	109	21.6	2345	40.6	17573	46.0
Home	0	0.0	88	1.5	1156	3.0
Other	3	0.6	177	3.1	1729	4.5
HRS/WK INTEGRATED W/HEARING STUDENTS						
	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	71	12.5	155	2.6	903	2.3
Total known information	497	100.0	5716	100.0	37841	100.0
None	356	71.6	2808	49.1	13994	37.0
1 to 5 hours/week	24	4.8	292	5.1	4000	10.6
6 to 15 hours/week	34	6.8	442	7.7	4226	11.2
16 to 25 hours/week	20	4.0	476	8.3	3847	10.2
26 or more hours/week	63	12.7	1698	29.7	11774	31.1

** Percent may total more than 100.0 because multiple responses were allowed

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

Page 8 of 9

SUPPORT SERVICES RECEIVED **	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	80	14.1	148	2.5	817	2.1
Total known information	488	100.0	5723	100.0	37927	100.0
No support services	24	4.9	224	3.9	2179	5.7
Oral interpreting	4	0.8	50	0.9	381	1.0
Sign interpreting	55	11.3	619	10.8	8749	23.1
Cued speech transliteration	0	0.0	17	0.3	126	0.3
Tutoring	35	7.2	369	6.4	2667	7.0
Speech training/therapy	317	65.0	3627	63.4	22973	60.6
Notetaking	17	3.5	184	3.2	1636	4.3
Real-time captioning	2	0.4	20	0.3	411	1.1
Counseling	111	22.7	790	13.8	4229	11.2
Itinerant teacher services	51	10.5	1732	30.3	13691	36.1
Classroom inst. ass't/aide services	107	21.9	837	14.6	6755	17.8
Auditory training	123	25.2	1065	18.6	9991	26.3
Occupational/Physical Therapy (OT/PT)	62	12.7	666	11.6	3350	8.8
Other	33	6.8	742	13.0	5129	13.5
ADDIT. CONDITIONS OTHER THAN DEAFNESS**						
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	124	21.8	446	7.6	2585	6.7
Total known information	444	100.0	5425	100.0	36159	100.0
No condition in addition to deafness	249	56.1	3221	59.4	21860	60.5
Low vision	8	1.8	145	2.7	1134	3.1
Legal blindness	5	1.1	81	1.5	517	1.4
Learning disability	68	15.3	724	13.3	3621	10.0
Mental retardation	22	5.0	452	8.3	3288	9.1
Attention Deficit Disorder	55	12.4	410	7.6	2388	6.6
Emotional disturbance	25	5.6	164	3.0	714	2.0
Cerebral palsy	21	4.7	174	3.2	1153	3.2
Other conditions	52	11.7	606	11.2	4818	13.3

** Percent may total more than 100.0 because multiple responses were allowed

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.

2003-2004 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002
202-651-5575 * 1-800-451-8834 ext 5575

Page 9 of 9

FUNCTIONAL ASSESSMENT **	Massachusetts		Northeast		Nation	
	N	%	N	%	N	%
Total students	568	100.0	5871	100.0	38744	100.0
Information NOT reported	66	11.6	294	5.0	1791	4.6
Total known information	502	100.0	5577	100.0	36953	100.0
No functional limitations	151	30.1	1830	32.8	11268	30.5
1 or more functional limitation	351	69.9	3747	67.2	25685	69.5
*Vision	50	10.0	701	12.6	4623	12.5
*Thinking/reasoning	145	28.9	2060	36.9	12788	34.6
*Maintaining attention to classroom tasks	195	38.8	2327	41.7	14372	38.9
*Expressive communication	254	50.6	2723	48.8	19456	52.7
*Receptive communication	247	49.2	2744	49.2	19674	53.2
*Social interaction/classroom behavior	187	37.3	1873	33.6	11385	30.8
*Use of hands, arms, and legs	54	10.8	743	13.3	4587	12.4
*Balance	49	9.8	645	11.6	3836	10.4
*Overall physical health	51	10.2	643	11.5	4142	11.2

** Percent may total more than 100.0 because multiple responses were allowed

* Note: Percents are based on total known information.

For example, 12,788 (34.6%) of the students were reported to have some level of functional limitation (mild to moderate or severe to profound) in their thinking/reasoning skills - when compared to non-disabled hearing children.

Data from this report should be cited/referenced as:

Gallaudet Research Institute (January 2005).

State Summary Report of Data from the 2003-2004 Annual Survey of Deaf and Hard of Hearing Children and Youth.

Washington, DC: GRI, Gallaudet University.