

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	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	26	6.8	242	1.8	748	1.9
Total known information	355	100.0	13026	100.0	37996	100.0
Under 3 years	0	0.0	288	2.2	566	1.5
From 3 to 5 years	11	3.1	1078	8.3	2490	6.6
From 6 to 9 years	50	14.1	2511	19.3	7283	19.2
From 10 to 13 years	98	27.6	3382	26.0	10634	28.0
From 14 to 17 years	120	33.8	3686	28.3	11036	29.0
18 years and older	76	21.4	2081	16.0	5987	15.8
SEX	North Carolina	%	South	%	Nation	%
	N		N		N	
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	4	1.0	55	0.4	239	0.6
Total known information	377	100.0	13213	100.0	38505	100.0
Male	197	52.3	7117	53.9	20935	54.4
Female	180	47.7	6096	46.1	17570	45.6
RACE/ETHNIC BACKGROUND	North Carolina	%	South	%	Nation	%
	N		N		N	
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	22	5.8	160	1.2	595	1.5
Total known information	359	100.0	13108	100.0	38149	100.0
White	196	54.6	6069	46.3	19640	51.5
Black/African-American	112	31.2	2937	22.4	5880	15.4
Hispanic/Latino	33	9.2	3370	25.7	9226	24.2
American Indian/Alaska Native	7	1.9	37	0.3	329	0.9
Asian/Pacific Islander	4	1.1	266	2.0	1567	4.1
Other	3	0.8	188	1.4	688	1.8
Multi-ethnic background indicated	4	1.1	241	1.8	819	2.1

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Page 2 of 9

AGE AT ONSET OF HEARING LOSS	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	24	6.3	322	2.4	1412	3.6
Total known information	357	100.0	12946	100.0	37332	100.0
At birth	157	44.0	5793	44.7	15644	41.9
Under 3 years	48	13.4	2655	20.5	7158	19.2
3 years or older	23	6.4	691	5.3	2120	5.7
Unknown	129	36.1	3807	29.4	12410	33.2
ETIOLOGY **						
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	33	8.7	408	3.1	1618	4.2
Total Known Information	348	100.0	12860	100.0	37126	100.0
Genetic/Hereditary/Familial	71	20.4	2655	20.6	8087	21.8
Pregnancy Related						
Maternal rubella	2	0.6	79	0.6	246	0.7
Cytomegalovirus (CMV)	6	1.7	281	2.2	629	1.7
Maternal drug/alcohol abuse	2	0.6	67	0.5	260	0.7
Medications taken by mother	0	0.0	33	0.3	109	0.3
Rh incompatibility	2	0.6	39	0.3	97	0.3
Consequence of prematurity	16	4.6	680	5.3	1523	4.1
Trauma at birth	2	0.6	115	0.9	296	0.8
Other complications of pregnancy	11	3.2	535	4.2	1418	3.8
Post-Birth Disease/Injury						
Otitis media	23	6.6	477	3.7	1851	5.0
Meningitis	15	4.3	559	4.3	1483	4.0
Other infections	3	0.9	163	1.3	478	1.3
Medications taken by child	4	1.1	192	1.5	577	1.6
Trauma after birth	0	0.0	92	0.7	276	0.7
Other post-birth cause	14	4.0	450	3.5	1265	3.4
Cause cannot be determined/DNA	191	54.9	6958	54.1	19945	53.7

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2003-2004 STATE SUMMARY

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

Page 3 of 9

PARENTAL HEARING STATUS	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	38	10.0	816	6.2	3033	7.8
Total known info., Either Parent	343	100.0	12452	100.0	35711	100.0
Mother's status: Hearing	316	92.1	11452	92.0	32944	92.3
Hard of hearing	13	3.8	338	2.7	1015	2.8
Deaf	11	3.2	610	4.9	1614	4.5
Unknown	3	0.9	52	0.4	138	0.4
Father's status: Hearing	275	80.2	10740	86.3	30811	86.3
Hard of hearing	10	2.9	204	1.6	727	2.0
Deaf	7	2.0	511	4.1	1413	4.0
Unknown	51	14.9	997	8.0	2760	7.7
Both parents hearing	261	76.1	10383	83.4	29811	83.5
Both parents deaf or hard of hearing	10	2.9	518	4.2	1447	4.1
One parent deaf/hh; other hearing	18	5.2	502	4.0	1555	4.4
One parent deaf/hh; other unknown	3	0.9	125	1.0	320	0.9
One parent hearing; other unknown	51	14.9	924	7.4	2578	7.2
HAS DEAF OR HARD OF HEARING SIBLINGS						
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	39	10.2	567	4.3	2217	5.7
Total known information	342	100.0	12701	100.0	36527	100.0
Has deaf or hard of hearing siblings	30	8.8	1508	11.9	4859	13.3
Has no deaf or hard of hearing siblings	271	79.2	10222	80.5	28662	78.5
Data Not Available	41	12.0	971	7.6	3006	8.2

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Page 4 of 9

UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	134	35.2	2740	20.7	7982	20.6
Total known information	247	100.0	10528	100.0	30762	100.0
Earphone (preferred measurement)	230	93.1	8999	85.5	27211	88.5
Sound field	17	6.9	1529	14.5	3551	11.5
DEGREE OF HEARING LOSS						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	95	24.9	1883	14.2	5146	13.3
Total known information	286	100.0	11385	100.0	33598	100.0
Normal (< 27 dB, ANSI)	50	17.5	1218	10.7	5630	16.8
Mild (27-40 dB, ANSI)	37	12.9	1158	10.2	4134	12.3
Moderate (41-55 dB, ANSI)	38	13.3	1454	12.8	4439	13.2
Mod-severe (56-70 dB, ANSI)	32	11.2	1609	14.1	4150	12.4
Severe (71-90 dB, ANSI)	49	17.1	1993	17.5	5109	15.2
Profound (91 dB and above, ANSI)	80	28.0	3953	34.7	10136	30.2
COCHLEAR IMPLANT						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	30	7.9	376	2.8	1591	4.1
Total known information	351	100.0	12892	100.0	37153	100.0
Have not had a cochlear implant	328	93.4	11451	88.8	33578	90.4
Have had a cochlear implant	23	6.6	1441	11.2	3575	9.6
Implant Use						
Total students	23	100.0	1441	100.0	3575	100.0
Information NOT reported	0	0.0	51	3.5	160	4.5
Total known information	23	100.0	1390	100.0	3415	100.0
Implant still used	17	73.9	1237	89.0	3118	91.3
Implant no longer used	6	26.1	153	11.0	297	8.7

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

Page 5 of 9

COCHLEAR IMPLANT USE IN CLASSROOM	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	23	100.0	1441	100.0	3575	100.0
Information NOT reported	10	43.5	359	24.9	1130	31.6
Total known information	13	100.0	1082	100.0	2445	100.0
Implant used in classroom	11	84.6	936	86.5	2194	89.7
Implant not used in classroom	2	15.4	146	13.5	251	10.3
FUNCTIONAL HEARING ABILITY						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	25	6.6	347	2.6	1488	3.8
Total known information	356	100.0	12921	100.0	37256	100.0
Functions normally	90	25.3	1234	9.6	4808	12.9
Mildly limited	108	30.3	4595	35.6	14113	37.9
+ Moderately limited	20	5.6	521	4.0	1995	5.4
Severely limited	101	28.4	4941	38.2	11523	30.9
No functional hearing	37	10.4	1630	12.6	4817	12.9
HEARING AID USE FOR INSTRUCTION						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	25	6.6	266	2.0	1128	2.9
Total known information	356	100.0	13002	100.0	37616	100.0
Hearing aid used for instruction	195	54.8	7956	61.2	22568	60.0
Hearing aid not used for instruction	161	45.2	5046	38.8	15048	40.0
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	44	11.5	727	5.5	2758	7.1
Total known information	337	100.0	12541	100.0	35986	100.0
Group ALD used for instruction	115	34.1	4779	38.1	14441	40.1
Group ALD not used for instruction	222	65.9	7762	61.9	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.

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Page 6 of 9

SPOKEN/WRITTEN LANGUAGES IN THE HOME	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	25	6.6	330	2.5	1098	2.8
Total known information	356	100.0	12938	100.0	37646	100.0
English	320	89.9	10152	78.5	28724	76.3
Spanish	25	7.0	1430	11.1	4409	11.7
Other	1	0.3	154	1.2	980	2.6
Multiple languages	10	2.8	1202	9.3	3533	9.4
SIGN USE IN THE HOME						
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	32	8.4	482	3.6	1902	4.9
Total known information	349	100.0	12786	100.0	36842	100.0
Family members regularly sign	80	22.9	3700	28.9	9921	26.9
Family members do not regularly sign	261	74.8	8491	66.4	25415	69.0
Data not available	8	2.3	595	4.7	1506	4.1
COMMUNICATION MODE PRIMARILY USED IN TEACHING						
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	21	5.5	132	1.0	394	1.0
Total known information	360	100.0	13136	100.0	38350	100.0
Speech only	174	48.3	5348	40.7	18120	47.2
Sign and speech	163	45.3	6277	47.8	15460	40.3
Sign only	18	5.0	1279	9.7	4175	10.9
Cued Speech	4	1.1	75	0.6	117	0.3
Other	1	0.3	157	1.2	478	1.2

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Page 7 of 9

INSTRUCTIONAL SETTINGS **	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	29	7.6	218	1.6	567	1.5
Total known information	352	100.0	13050	100.0	38177	100.0
Special school or center	118	33.5	3440	26.4	10354	27.1
Self-contained clrm in req. ed. setting	42	11.9	4913	37.6	11854	31.1
Resource room	73	20.7	1962	15.0	5290	13.9
Regular education setting	167	47.4	5890	45.1	17573	46.0
Home	4	1.1	630	4.8	1156	3.0
Other	10	2.8	780	6.0	1729	4.5
HRS/WK INTEGRATED W/HEARING STUDENTS						
	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	20	5.2	294	2.2	903	2.3
Total known information	361	100.0	12974	100.0	37841	100.0
None	138	38.2	4667	36.0	13994	37.0
1 to 5 hours/week	13	3.6	1655	12.8	4000	10.6
6 to 15 hours/week	33	9.1	1638	12.6	4226	11.2
16 to 25 hours/week	44	12.2	1313	10.1	3847	10.2
26 or more hours/week	133	36.8	3701	28.5	11774	31.1

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Page 8 of 9

SUPPORT SERVICES RECEIVED **	North Carolina		South		Nation	
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Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	24	6.3	225	1.7	817	2.1
Total known information	357	100.0	13043	100.0	37927	100.0
No support services	20	5.6	802	6.1	2179	5.7
Oral interpreting	3	0.8	158	1.2	381	1.0
Sign interpreting	84	23.5	3912	30.0	8749	23.1
Cued speech transliteration	4	1.1	71	0.5	126	0.3
Tutoring	34	9.5	1057	8.1	2667	7.0
Speech training/therapy	218	61.1	8804	67.5	22973	60.6
Notetaking	16	4.5	708	5.4	1636	4.3
Real-time captioning	6	1.7	164	1.3	411	1.1
Counseling	28	7.8	1404	10.8	4229	11.2
Itinerant teacher services	98	27.5	3949	30.3	13691	36.1
Classroom inst. ass't/aide services	29	8.1	2574	19.7	6755	17.8
Auditory training	41	11.5	4642	35.6	9991	26.3
Occupational/Physical Therapy (OT/PT)	34	9.5	1067	8.2	3350	8.8
Other	34	9.5	1827	14.0	5129	13.5
ADDIT. CONDITIONS OTHER THAN DEAFNESS**						
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	51	13.4	507	3.8	2585	6.7
Total known information	330	100.0	12761	100.0	36159	100.0
No condition in addition to deafness	188	57.0	7676	60.2	21860	60.5
Low vision	7	2.1	394	3.1	1134	3.1
Legal blindness	5	1.5	209	1.6	517	1.4
Learning disability	24	7.3	886	6.9	3621	10.0
Mental retardation	34	10.3	1050	8.2	3288	9.1
Attention Deficit Disorder	40	12.1	810	6.3	2388	6.6
Emotional disturbance	3	0.9	229	1.8	714	2.0
Cerebral palsy	8	2.4	398	3.1	1153	3.2
Other conditions	51	15.5	2218	17.4	4818	13.3

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Page 9 of 9

FUNCTIONAL ASSESSMENT **	North Carolina		South		Nation	
	N	%	N	%	N	%
Total students	381	100.0	13268	100.0	38744	100.0
Information NOT reported	24	6.3	582	4.4	1791	4.6
Total known information	357	100.0	12686	100.0	36953	100.0
No functional limitations	106	29.7	3363	26.5	11268	30.5
1 or more functional limitation	251	70.3	9323	73.5	25685	69.5
*Vision	54	15.1	1601	12.6	4623	12.5
*Thinking/reasoning	162	45.4	4392	34.6	12788	34.6
*Maintaining attention to classroom tasks	162	45.4	4884	38.5	14372	38.9
*Expressive communication	162	45.4	7467	58.9	19456	52.7
*Receptive communication	162	45.4	7528	59.3	19674	53.2
*Social interaction/classroom behavior	108	30.3	3809	30.0	11385	30.8
*Use of hands, arms, and legs	39	10.9	1515	11.9	4587	12.4
*Balance	38	10.6	1284	10.1	3836	10.4
*Overall physical health	42	11.8	1406	11.1	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.

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