

## 2004-2005 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	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	17	2.4	233	2.5	841	2.2
Total known information	691	100.0	9075	100.0	36659	100.0
Under 3 years	3	0.4	288	3.2	1244	3.4
From 3 to 5 years	60	8.7	789	8.7	3419	9.3
From 6 to 9 years	137	19.8	1907	21.0	7898	21.5
From 10 to 13 years	193	27.9	2716	29.9	10348	28.2
From 14 to 17 years	214	31.0	2587	28.5	10230	27.9
18 years and older	84	12.2	788	8.7	3520	9.6
SEX	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	38	0.4	148	0.4
Total known information	708	100.0	9270	100.0	37352	100.0
Male	390	55.1	4966	53.6	20253	54.2
Female	318	44.9	4304	46.4	17099	45.8
RACE/ETHNIC BACKGROUND	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	7	1.0	131	1.4	583	1.6
Total known information	701	100.0	9177	100.0	36917	100.0
White	463	66.0	3523	38.4	18712	50.7
Black/African-American	26	3.7	529	5.8	5647	15.3
Hispanic/Latino	166	23.7	3805	41.5	9226	25.0
American Indian/Alaska Native	5	0.7	211	2.3	307	0.8
Asian/Pacific Islander	21	3.0	652	7.1	1512	4.1
Other	6	0.9	167	1.8	708	1.9
Multi-ethnic background indicated	14	2.0	290	3.2	805	2.2

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Page 2 of 9

AGE AT ONSET OF HEARING LOSS	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	38	5.4	439	4.7	1551	4.1
Total known information	670	100.0	8869	100.0	35949	100.0
At birth	271	40.4	3767	42.5	15212	42.3
Under 3 years	119	17.8	1396	15.7	6930	19.3
3 years or older	74	11.0	437	4.9	1985	5.5
Unknown	206	30.7	3269	36.9	11822	32.9
AGE AT ONSET OF HEARING LOSS	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	38	5.4	439	4.7	1551	4.1
Total known information	670	100.0	8869	100.0	35949	100.0
At Birth	271	40.4	3767	42.5	15212	42.3
Under One Year	55	8.2	482	5.4	2631	7.3
Unknown, but before age 2	35	5.2	656	7.4	2953	8.2
Unknown	206	30.7	3269	36.9	11822	32.9
1 year of age	9	1.3	119	1.3	587	1.6
2 years of age	20	3.0	139	1.6	759	2.1
3 years of age	17	2.5	97	1.1	554	1.5
4 years of age	13	1.9	76	0.9	361	1.0
5 years of age	10	1.5	66	0.7	336	0.9
6 years of age	13	1.9	46	0.5	205	0.6
7 years of age	6	0.9	40	0.5	137	0.4
8+ years of age	15	2.2	112	1.3	392	1.1

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

Page 3 of 9

ETIOLOGY **	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	32	4.5	562	6.0	1778	4.7
Total Known Information	676	100.0	8746	100.0	35722	100.0
Genetic/Hereditary/Familial	210	31.1	2036	23.3	8107	22.7
Pregnancy Related						
Maternal rubella	3	0.4	59	0.7	232	0.6
Cytomegalovirus (CMV)	8	1.2	119	1.4	629	1.8
Maternal drug/alcohol abuse	6	0.9	66	0.8	256	0.7
Medications taken by mother	1	0.1	23	0.3	101	0.3
Rh incompatibility	0	0.0	16	0.2	78	0.2
Consequence of prematurity	17	2.5	259	3.0	1428	4.0
Trauma at birth	9	1.3	48	0.5	231	0.6
Other complications of pregnancy	34	5.0	337	3.9	1346	3.8
Post-Birth Disease/Injury						
Otitis media	38	5.6	357	4.1	1718	4.8
Meningitis	26	3.8	289	3.3	1291	3.6
Other infections	6	0.9	108	1.2	408	1.1
Medications taken by child	20	3.0	132	1.5	554	1.6
Trauma after birth	7	1.0	72	0.8	252	0.7
Other post-birth cause	28	4.1	300	3.4	1207	3.4
Cause cannot be determined/DNA	296	43.8	4834	55.3	19193	53.7
<b>+SPECIFIC GENETIC CAUSE OR SYNDROME</b>						
Total students	210	100.0	2036	100.0	8107	100.0
Information NOT reported	146	69.5	1412	69.4	4964	61.2
Total known information	64	100.0	624	100.0	3143	100.0
Waardenburg syndrome	2	3.1	45	7.2	152	4.8
Usher syndrome	0	0.0	19	3.0	91	2.9
Treacher syndrome	2	3.1	21	3.4	104	3.3
Down syndrome	11	17.2	78	12.5	275	8.7
CHARGE syndrome	2	3.1	38	6.1	176	5.6
Chromosome abnormality	6	9.4	18	2.9	69	2.2
Connexin-26 (GJB2)	1	1.6	13	2.1	57	1.8
Other	42	65.6	400	64.1	2237	71.2

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

+ New question for the 2004-2005 survey year

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Page 4 of 9

PARENTAL HEARING STATUS	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	33	4.7	874	9.4	2887	7.7
Total known info., Either Parent	675	100.0	8434	100.0	34613	100.0
Mother's status: Hearing	613	90.8	7777	92.2	31860	92.0
Hard of hearing	29	4.3	222	2.6	1027	3.0
Deaf	30	4.4	402	4.8	1601	4.6
Unknown	3	0.4	33	0.4	125	0.4
Father's status: Hearing	577	85.5	7350	87.1	29851	86.2
Hard of hearing	32	4.7	137	1.6	706	2.0
Deaf	33	4.9	377	4.5	1410	4.1
Unknown	33	4.9	570	6.8	2646	7.6
Both parents hearing	556	82.4	7127	84.5	28866	83.4
Both parents deaf or hard of hearing	33	4.9	377	4.5	1445	4.2
One parent deaf/hh; other hearing	50	7.4	327	3.9	1531	4.4
One parent deaf/hh; other unknown	8	1.2	57	0.7	323	0.9
One parent hearing; other unknown	28	4.1	546	6.5	2448	7.1
<b>HAS DEAF OR HARD OF HEARING SIBLINGS</b>						
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	11	1.6	421	4.5	1617	4.3
Total known information	697	100.0	8887	100.0	35883	100.0
Has deaf or hard of hearing siblings	112	16.1	1283	14.4	4923	13.7
Has no deaf or hard of hearing siblings	557	79.9	6846	77.0	28059	78.2
Data Not Available	28	4.0	758	8.5	2901	8.1

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Page 5 of 9

UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	134	18.9	1903	20.4	7708	20.6
Total known information	574	100.0	7405	100.0	29792	100.0
Earphone (preferred measurement)	506	88.2	6381	86.2	25499	85.6
Sound field	61	10.6	904	12.2	3965	13.3
+ABR	7	1.2	120	1.6	328	1.1
<b>DEGREE OF HEARING LOSS</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	86	12.1	1245	13.4	5364	14.3
Total known information	622	100.0	8063	100.0	32136	100.0
Normal (< 27 dB, ANSI)	163	26.2	1606	19.9	5493	17.1
Mild (27-40 dB, ANSI)	94	15.1	1083	13.4	3975	12.4
Moderate (41-55 dB, ANSI)	93	15.0	1118	13.9	4318	13.4
Mod-severe (56-70 dB, ANSI)	54	8.7	906	11.2	3908	12.2
Severe (71-90 dB, ANSI)	80	12.9	1108	13.7	4835	15.0
Profound (91 dB and above, ANSI)	138	22.2	2242	27.8	9607	29.9
<b>COCHLEAR IMPLANT</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	25	3.5	456	4.9	1428	3.8
Total known information	683	100.0	8852	100.0	36072	100.0
Have not had a cochlear implant	625	91.5	8210	92.7	32021	88.8
Have had a cochlear implant	58	8.5	642	7.3	4051	11.2
<b>Implant Use</b>						
Total students	58	100.0	642	100.0	4051	100.0
Information NOT reported	3	5.2	30	4.7	191	4.7
Total known information	55	100.0	612	100.0	3860	100.0
Implant still used	50	90.9	572	93.5	3544	91.8
Implant no longer used	5	9.1	40	6.5	316	8.2

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Page 6 of 9

COCHLEAR IMPLANT USE IN CLASSROOM	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	58	100.0	642	100.0	4051	100.0
Information NOT reported	9	15.5	85	13.2	725	17.9
Total known information	49	100.0	557	100.0	3326	100.0
Implant used in classroom	45	91.8	511	91.7	3001	90.2
Implant not used in classroom	4	8.2	46	8.3	325	9.8
<b>FUNCTIONAL HEARING ABILITY</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	31	4.4	476	5.1	1651	4.4
Total known information	677	100.0	8832	100.0	35849	100.0
Functions normally	104	15.4	938	10.6	4102	11.4
Mildly limited	267	39.4	3342	37.8	13068	36.5
Moderately limited	90	13.3	917	10.4	3794	10.6
Severely limited	143	21.1	2267	25.7	10456	29.2
No functional hearing	73	10.8	1368	15.5	4429	12.4
<b>HEARING AID USE FOR INSTRUCTION</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	10	1.4	271	2.9	1007	2.7
Total known information	698	100.0	9037	100.0	36493	100.0
Hearing aid used for instruction	379	54.3	5255	58.1	21604	59.2
Hearing aid not used for instruction	319	45.7	3782	41.9	14889	40.8
<b>GROUP ASSISTIVE LISTENING DEVICE(ALD)USE</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	12	1.7	406	4.4	1849	4.9
Total known information	696	100.0	8902	100.0	35651	100.0
Group ALD used for instruction	272	39.1	2835	31.8	14701	41.2
Group ALD not used for instruction	424	60.9	6067	68.2	20950	58.8

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Page 7 of 9

SPOKEN/WRITTEN LANGUAGES IN THE HOME	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	12	1.7	330	3.5	1115	3.0
Total known information	696	100.0	8978	100.0	36385	100.0
English	599	86.1	5391	60.0	27476	75.5
Spanish	47	6.8	1932	21.5	4438	12.2
Other	6	0.9	293	3.3	914	2.5
Multiple languages	44	6.3	1362	15.2	3557	9.8
<b>SIGN USE IN THE HOME</b>						
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	17	2.4	453	4.9	1540	4.1
Total known information	691	100.0	8855	100.0	35960	100.0
Family members regularly sign	198	28.7	2284	25.8	9626	26.8
Family members do not regularly sign	478	69.2	6229	70.3	24906	69.3
Data not available	15	2.2	342	3.9	1428	4.0
<b>COMMUNICATION MODE PRIMARILY USED IN TEACHING</b>						
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	2	0.3	141	1.5	421	1.1
Total known information	706	100.0	9167	100.0	37079	100.0
Speech only	367	52.0	4637	50.6	17738	47.8
Sign and speech	171	24.2	2702	29.5	14639	39.5
Sign only	160	22.7	1687	18.4	4149	11.2
Cued Speech	0	0.0	4	0.0	122	0.3
Other	8	1.1	137	1.5	431	1.2

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Page 8 of 9

INSTRUCTIONAL SETTINGS **	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	1	0.1	94	1.0	556	1.5
Total known information	707	100.0	9214	100.0	36944	100.0
Special school or center	252	35.6	2495	27.1	10364	28.1
Self-contained clrm in req. ed. setting	136	19.2	2761	30.0	11041	29.9
Resource room	133	18.8	1300	14.1	5199	14.1
Regular education setting	403	57.0	4188	45.5	17346	47.0
Home	1	0.1	268	2.9	948	2.6
Other	18	2.5	410	4.4	2434	6.6
<b>HRS/WK INTEGRATED W/HEARING STUDENTS</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	13	1.8	300	3.2	1071	2.9
Total known information	695	100.0	9008	100.0	36429	100.0
None	196	28.2	3289	36.5	13262	36.4
1 to 5 hours/week	46	6.6	988	11.0	3720	10.2
6 to 15 hours/week	82	11.8	1045	11.6	4199	11.5
16 to 25 hours/week	85	12.2	917	10.2	3768	10.3
26 or more hours/week	286	41.2	2769	30.7	11480	31.5
<b>+ABR Results</b>						
	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	657	92.8	8791	94.4	31062	82.8
Total known information	51	100.0	517	100.0	6438	100.0
ABR results are not available/reliable	43	84.3	398	77.0	4370	67.9
Response absent at 30 dB nHL	0	0.0	4	0.8	97	1.5
Response absent at 40 dB nHL	1	2.0	18	3.5	164	2.5
Response absent at 50 dB nHL	1	2.0	15	2.9	191	3.0
Response absent at 60 dB nHL	2	3.9	16	3.1	250	3.9
Response absent at 70-90 dB nHL	4	7.8	53	10.3	874	13.6
Response absent at 100+ dB nHL	0	0.0	13	2.5	492	7.6

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Page 9 of 9

SUPPORT SERVICES RECEIVED **	Colorado		West		Nation	
	N	%	N	%	N	%
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	11	1.6	206	2.2	723	1.9
Total known information	697	100.0	9102	100.0	36777	100.0
No support services	64	9.2	794	8.7	2465	6.7
Sign interpreting	172	24.7	1988	21.8	9200	25.0
Oral interpreting	6	0.9	98	1.1	455	1.2
Cued speech transliteration	0	0.0	3	0.0	135	0.4
Itinerant teacher services	268	38.5	3731	41.0	13302	36.2
Tutoring	159	22.8	809	8.9	3301	9.0
Classroom inst. ass't/aide services	144	20.7	2100	23.1	6893	18.7
+Adaptive PE	17	2.4	445	4.9	1151	3.1
Speech training/therapy	361	51.8	4488	49.3	22172	60.3
Auditory training	159	22.8	2207	24.2	9892	26.9
Counseling	137	19.7	860	9.4	4234	11.5
Occupational/Physical Therapy (OT/PT)	107	15.4	645	7.1	3397	9.2
Notetaking	36	5.2	322	3.5	1748	4.8
Real-time captioning	30	4.3	104	1.1	610	1.7
Other	97	13.9	1086	11.9	4589	12.5
<b>ADDIT. CONDITIONS OTHER THAN DEAFNESS**</b>						
Total students	708	100.0	9308	100.0	37500	100.0
Information NOT reported	24	3.4	751	8.1	2093	5.6
Total known information	684	100.0	8557	100.0	35407	100.0
No condition in addition to deafness	386	56.4	5020	58.7	20390	57.6
Low vision	28	4.1	346	4.0	1173	3.3
Legal blindness	8	1.2	98	1.1	470	1.3
+Developmental delay	17	2.5	170	2.0	624	1.8
+Autism	4	0.6	93	1.1	341	1.0
+Orthopedic impairment(includes CP)	33	4.8	364	4.3	1295	3.7
Learning disability (LD)	69	10.1	899	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	41	6.0	392	4.6	2235	6.3
+Speech or language impairment	52	7.6	637	7.4	3362	9.5
+Traumatic brain injury	4	0.6	12	0.1	52	0.1
Mental retardation	63	9.2	726	8.5	2902	8.2
Emotional disturbance	29	4.2	126	1.5	675	1.9
+Other health impairment	31	4.5	181	2.1	703	2.0
Other conditions	41	6.0	618	7.2	2446	6.9

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