**SDC 1: Demographic, Caregiver, and HIV-related Characteristics of 231 Children in the PHACS Adolescent Master Protocol (AMP) Study with Audiometric Examinations, by Hearing Loss Status**

|  | | | **By Hearing Loss,**  **(defined as PTA ≥20 dB in worse ear)1** | |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | **No (N=193)** | **Yes (N=38)** | **Total (N=231)** | **P-Value2** |
| ***Child Demographic and Birth Characteristics*** | | | | | | |
| Age at Exam (years), Mean (SD) | | | 12.13 (2.86) | 12.41 (2.82) | 12.18 (2.85) | 0.58 |
| BMI Z-score at Exam, Mean (SD) | | | 0.46 (1.23) | 0.49 (1.31) | 0.46 (1.24) | 0.89 |
| Infection Status | | Infected | 116 (60%) | 29 (76%) | 145 (63%) | 0.07 |
|  | | Uninfected | 77 (40%) | 9 (24%) | 86 (37%) |  |
| Female Sex | | | 100 (52%) | 23 (61%) | 123 (53%) | 0.38 |
| Black | | | 139 (78%) | 26 (74%) | 165 (77%) | 0.66 |
| Hispanic or Latino | | | 59 (31%) | 9 (24%) | 68 (29%) | 0.53 |
| Gestational Age <37 weeks | | | 43 (32%) | 9 (43%) | 52 (33%) | 0.33 |
| Birth weight <2500 grams | | | 54 (31%) | 9 (28%) | 63 (30%) | 0.84 |
| Frequent Ear Infections | | | 41 (21%) | 14 (41%) | 55 (24%) | 0.02 |
|  | | | | | | |
| ***Caregiver and Household Characteristics*** | | | | | | |
|  | | | | | | |
| Caregiver Completed High School | | | 126 (65%) | 30 (79%) | 156 (68%) | 0.13 |
| Caregiver Married | | | 68 (35%) | 10 (26%) | 78 (34%) | 0.35 |
| Caregiver is Biological Parent | | | 110 (57%) | 17 (45%) | 127 (55%) | 0.21 |
| Caregiver IQ | | |  |  |  |  |
| Performance IQ <70 | | | 11 (8%) | 0 (0%) | 11 (7%) | 0.21 |
| Verbal IQ <70 | | | 16 (12%) | 2 (8%) | 18 (11%) | 0.74 |
| Household Income ≤$20,000 | | | 112 (59%) | 19 (50%) | 131 (57%) | 0.37 |
|  | | | | | | |
| **HIV Characteristics (HIV+ children only)** | | | | | | |
|  | | | **(N=116)** | **(N=29)** | **(N=145)** |  |
| Viral Load >400 copies/mL at Exam | | | 40 (36%) | 8 (32%) | 48 (35%) | 0.82 |
| CD4% at Exam, Mean (SD) | | | 30.9 (9.9) | 31.4 (10.2) | 31.0 (9.9) | 0.82 |
| CD4% <25% at Exam | | | 26 (22%) | 7 (24%) | 33 (23%) | 0.81 |
| Nadir CD4% <20% | | | 60 (52%) | 20 (69%) | 80 (55%) | 0.14 |
| Peak Viral Load ≥500,000 copies/mL | | | 49 (42%) | 12 (41%) | 61 (42%) | 1.00 |
| CDC Class C | | | 32 (28%) | 15 (52%) | 47 (32%) | 0.03 |
| Duration on HAART ≤7 Years | | | 35 (30%) | 12 (41%) | 47 (32%) | 0.27 |
| Duration on NRTI >7 Years | | | 183 (91%) | 35 (90%) | 218 (91%) | 0.72 |
| ART Regimen at Exam | | |  |  |  | 0.41 |
|  | HAART with PI | | 84 (72%) | 22 (76%) | 106 (73%) |  |
|  | HAART without PI | | 18 (16%) | 6 (21%) | 24 (17%) |  |
|  | Non-HAART/No ART | | 14 (12%) | 1 (3%) | 15 (10%) |  |
|  | | | | | | |
| **SD=standard deviation, BMI=body mass index, CDC=Centers for Disease Control and Prevention, ART=antiretroviral treatment, HAART=highly active antiretroviral therapy, PI=protease inhibitor, PTA=pure tone average, NRTI=nucleoside reverse transcriptase inhibitor**  **17 children chose not to report race; 1 child did not report ethnicity; 6 children did not have ear infection data; 2 were missing household income; and 71 missing caregiver IQ data. Among HIV+ children, 8 were missing information on viral load at exam. Percentages are based on non-missing observations.**  **1 Two children without audiologic exams were included as having hearing loss based on known hearing loss or deafness.**  **2 P-value by Fisher's Exact test for binary characteristics and by T-test assuming unequal variance for continuous characteristics (age, BMI, CD4%).** | | | | | | |