

# NNTC Donor Search Variable Definitions



**Cohort:** Describes the study which the data was collected under.

- CHA01 – CHARTER (CNS HIV Antiretroviral Therapy Effects Research) Study
- NNTC01 – NNTC (National NeuroHIV Tissue Consortium) Study

**Donor ID:** Numerical identifier assigned to be unique across sites in the NNTC and CHARTER studies.

**HIV Status:** HIV Status at the time of enrollment.

- PWH – Person with HIV
- PWoH – Person without HIV
- Seroconverted – Person who enrolled without HIV but developed a HIV viral load while enrolled and is now considered a PWH.
- Unknown – Donors who were evaluated for a HIV diagnosis, but study staff were unable to conclusively diagnose as PWH or PWoH
- Not Available – Data regarding HIV status was not captured

**Age at Enrollment:** Age in years when consent form was signed.

- Not Available – Data is not available for CHARTER Donors.

**Sex:** Binary sex of donor.

**Ethnicity:** Describes if a donor identifies as Hispanic/Latino or not.

**Race Derived Variable:** Race is initially captured by five binary variables: ASIAN, BLACK (indicating if a donor is Black or African American), NATIVEAL (indicating if a donor is Native American, including Native Alaskan), NATIVEHA (indicating if a donor is Native Hawaiian or Pacific Islander), RACEUNK (if a donor's race is unknown, or WHITE. Initial variables are concatenated into the Race variable presented here.

**Current Study Status:** Describes donor study statuses.

- Abbreviated – Indicates if a donor is active on study but is not being followed on a regular basis.
- Active – Indicates if a donor is an active participant in the NNTC study.
- Administratively Censored – Indicates a donor is physically unable to participate in the study (e.g., incarcerated).
- Deceased with Autopsy - Indicates a deceased donor for whom an autopsy was performed.
- Deceased without Autopsy - Indicates a deceased donor for whom an autopsy was not performed.
- Lost to follow-up – Indicates a donor who is no longer a part of the NNTC cohort, despite attempts to contact them.
- Not Available – Indicates a donor whose current study status is not known/available.
- Withdrawn – Indicates a donor who has voluntarily concluded their participation in NNTC.

**HAART (Highly Active Antiretroviral Therapy) Exposure:** Individuals who had a medication regimen including 2 or more NRTIs and 1 NNRTI/PI/II at any point during their participation.

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- Yes – Indicates donors who have had HAART exposure.
- No – Indicates donors who have not had HAART exposure.
- Not Available – This summary variable is only available for NNTC donors.

**Autopsy Year:** Year in which autopsy was conducted. NNTC autopsies formally began in 1998. From this year onward, autopsy year is presented as a categorical variable, binned every 5 years. Please note that there are a limited number of autopsies that were obtained prior to 1998 (from 1980-1991) that have been incorporated into the NNTC.

- Not Applicable – Donor is still alive or was alive at last timepoint before ending study participation.
- Not Available – This data is was not captured for the CHARTER study.

**Age at Death:** Age in years at death.

- Not Applicable – Donor is still alive or was alive at last timepoint before ending study participation.
- Not Available – This data is only available for NNTC donors.

**Specimen Availability:** Indicates if donors have available specimens for request. This data is only available for NNTC donors.

**Assay Data Availability:** Indicates if any researcher-provided results from previously requested specimens is available for a given donor.

**Imaging Data Availability:** Indicates if donors have neuroimaging data available for request.

**Neurocognitive Diagnoses (App Derived Variable):** Neurocognitive Diagnoses were concatenated from the Neuromedical battery, indicating if a donor received a given diagnosis at any point during their participation.

- None – Donor does not meet criteria for any diagnoses listed.
- Not Available – Donor does not have any data for Neurocognitive Diagnoses

**Comorbid Diagnoses (App Derived Variable):** Comorbidity diagnoses were concatenated for each donor if assessments determined there was sufficient evidence to make a diagnosis. Comorbidities listed reflect comorbidities diagnosed at any timepoint.

- None – Donor does not meet criteria for any diagnoses listed.
- Not Available – Donor does not have any data for Comorbidity Diagnoses

**Psychological Domain Impairment (App Derived Variable):** Psychological Domain Impairment is defined by a Global T Score below 40 (as determined by the Neuropsychological Variables Calculator) at any timepoint. The Neuropsychological Variables Calculator determines Global T-Score based on variables obtained via multiple assessments across the neuropsychological battery.

- Yes – Donor had Global T Score below 40 at any timepoint in the study.
- No – Donor had Global T Score above 40 for all timepoints.
- Not Available – Global T Score not captured for a given donor.

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**Pathology (App Derived Variable):** Pathology diagnoses were concatenated from binary diagnostic variables from donor autopsy, as collected by the NNTC Pathology form, Supplemental Pathology form, and/or Organ Pathology form.

- None – Donor does not meet criteria for any diagnoses listed.
- Not Available – Donor does not have any data for Pathology, Supplemental Pathology, or Organ Pathology.
  - o Note: This information is only available for NNTC donors.
- Not Applicable – Donor is still alive, was alive at last timepoint before ending study participation, or does not have an autopsy on record.

**Controlled Substance Abuse History (App derived variable):** Substance abuse was calculated by looking neuropsychiatric diagnoses, legal medication use, and urine toxicology results at any timepoint.

- Controlled Substance History Present - Indicates that a donor has disclosed or had positive test results for controlled substances, prescribed or unprescribed, during or before study participation.
- Controlled Substance History Absent - Indicates a donor had not disclosed or had positive test results for controlled substances at any point before or during study participation.
- Not Available - Donor does not have any data for Concomitant Medications, Urine Toxicology, and CIDI/PRISM diagnoses.
  - o Note: CHARTER participants only have data for CIDI diagnoses

**Neuropsychiatric Diagnoses (App Derived Variable):** Neuropsychiatric Diagnoses were concatenated from diagnoses given using the CIDI and PRISM assessments.

- None – Donor does not meet criteria for any diagnoses listed.
- Not Available – Donor does not have any data for Neurocognitive Diagnoses

**Viral Suppression (App Derived Variables):** The NNTC steering committee developed two different criteria to identify these cases, depending on the length of known suppression, and allowing for differences in the number and timing of viral load determinations before death in subjects on study.

- Criteria 1. The subjects have been followed for at least 5 years before death. There must be at least 1 undetectable viral load within 1 year of death, or 2 undetectable viral loads within 2 years of death. Over the 5-year period before death, there must be at least 4 undetectable viral loads.  
Note that “blips” of detectable virus are allowed, however these must be <1000 copies/mL during this 5-year period.
- Criteria 2. The subjects have been followed for at least 2 years before death. There must be at least 1 undetectable viral load within 6 months of death. Note that “blips” of detectable virus are allowed, however these must be <1000 copies/mL during this 2-year period.
- Not Available - Donor does not have any data for Viral Load.