NYeC 1115 Waiver CSV Specification

# CSV Files

* **[Admin Demographic](#_Admin_Demographic_CSV)**: Contains patient demographic information. Should be completed by the patient and screener.
* [**Screening**](#_Screening_CSV): Contains AHC HRSN screening questions, answers and results. Should be completed by the patient and screener.
* [**QE\_Admin\_Data**](#_QE_Admin_Data)*:* Contains facility level information. Should be completed by the Qualified Entity (QE) with the help of the organization.

# General QA Measures

1. Delimiters in the CSV files are pipes (|)
2. All correct column headers are present, even if field value is not required. Order of columns does not matter.
3. All required fields have data present.
4. MRN\_ID and FACILITY\_ID must exist and match in [Admin Demographics](#_Admin_Demographic_CSV) and [Screenings](#_Screening_CSV)

# Admin Demographic CSV

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN\_NAME | REQUIRED | TYPE | RULES |
| MPI\_ID | Y | alphanumeric | * MPI ID has been appended by a QE and is unique per patient. |
| MRN\_ID | Y | alphanumeric | * Has a unique value per patient and facility. |
| FACILITY\_ID | Y | alphanumeric | * Has a unique value per facility. |
| CONSENT | Y | Y/N/No/Yes/UNK/Unknown | * Is consistent across all rows for the same MPI\_ID |
| FIRST\_NAME | Y | Alphabetic | * Is consistent across all rows for the same MPI\_ID |
| MIDDLE\_NAME | N | alphabetic | * Is consistent across all rows for the same MPI\_ID |
| LAST\_NAME | Y | alphabetic | * Is consistent across all rows for the same MPI\_ID |
| ADMINISTRATIVE\_SEX\_CODE | Yes | [AdministrativeSex](#_Administrative_Sex)  See Below | * Is consistent across all rows for the same MPI\_ID |
| ADMINISTRATIVE\_SEX\_CODE\_DESCRIPTION | N | [AdministrativeSex](#_Administrative_Sex)  See Below | * Is consistent across all rows for the same MPI\_ID |
| ADMINISTRATIVE\_SEX\_CODE\_SYSTEM\_NAME | Yes | [AdministrativeSex](#_Administrative_Sex)  See Below | * Is consistent across all rows for the same MPI\_ID |
| SEX\_AT\_BIRTH\_CODE | N | [SexAtBirth](#_Birth_Sex)  See Below | * Is consistent across all rows for the same MPI\_ID |
| SEX\_AT\_BIRTH\_CODE\_DESCRIPTION | N | [SexAtBirth](#_Birth_Sex)  See Below | * Is consistent across all rows for the same MPI\_ID |
| BIRTH\_DATE | Y | YYYY-MM-DD | * Is consistent across all rows for the same MPI\_ID * YYYY is not before 1915 or after current date. * *MM is between 1 and 12.* * *DD is between 1 and 31 for MM- 01, 03, 05, 07, 08, 10, 12.* * *DD is between 1 and 30 for MM- 04, 06, 09, 11* * *DD is between 1 and 27 for MM- 02 unless YYYY is 1916x every 4 years, DD is between 1 and 29.* |
| ADDRESS1 | N | alphanumeric | * Is consistent across all rows for the same MPI\_ID * Is not a string of numbers. |
| ADDRESS2 | N | alphanumeric | * Is consistent across all rows for the same MPI\_ID * . |
| CITY | Y | alphabetic | * Is consistent across all rows for the same MPI\_ID * Is a city in New York State. |
| STATE | Y | alphabetic (New York or NY) | * Is consistent across all rows for the same MPI\_ID |
| ZIP | Y | numeric | * Is consistent across all rows for the same MPI\_ID * 5 digits or 9 digits. |
| GENDER\_IDENTITY\_CODE\_SYSTEM\_NAME | N | [GenderIdentity](#_Gender_Identity) | * SNOMED or SNOMED CT |
| GENDER\_IDENTITY\_CODE | N | [GenderIdentity](#_Gender_Identity) | * Is consistent across all rows for the same MPI\_ID |
| GENDER\_IDENTITY\_CODE\_DESCRIPTION | N | [GenderIdentity](#_Gender_Identity) | * Is consistent across all rows for the same MPI\_ID |
| SEXUAL\_ORIENTATION\_CODE | N | [SexualOrientation](#_Sexual_Orientation) | * Is consistent across all rows for the same MPI\_ID |
| SEXUAL\_ORIENTATION\_CODE\_DESCRIPTION | N | [SexualOrientation](#_Sexual_Orientation) | * Is consistent across all rows for the same MPI\_ID |
| SEXUAL\_ORIENTATION\_CODE\_SYSTEM\_NAME | N | [SexualOrientation](#_Sexual_Orientation) | * Is consistent across all rows for the same MPI\_ID |
| PREFERRED\_LANGUAGE\_CODE\_SYSTEM\_NAME | N | [ISO 639-1 or ISO 639-2](https://www.loc.gov/standards/iso639-2/php/code_list.php) | * Is consistent across all rows for the same MPI\_ID |
| PREFERRED\_LANGUAGE\_CODE | N | [ISO 639-1 or ISO 639-2](https://www.loc.gov/standards/iso639-2/php/code_list.php) | * Is consistent across all rows for the same MPI\_ID |
| PREFERRED\_LANGUAGE\_DESCRIPTION | N | [ISO 639-1 or ISO 639-2](https://www.loc.gov/standards/iso639-2/php/code_list.php) | * Is consistent across all rows for the same MPI\_ID |
| RACE\_CODE\_SYSTEM\_NAME | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID CDC or CDCRE |
| RACE\_CODE | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID |
| RACE\_CODE\_DESCRIPTION | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID |
| ETHNICITY\_CODE\_SYSTEM\_NAME | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID CDC or CDCRE |
| ETHNICITY\_CODE | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID |
| ETHNICITY\_CODE\_DESCRIPTION | N | [CDC version 1.2](https://www.cdc.gov/phin/resources/vocabulary/documents/PH_RaceAndEthnicity_CDC_v1.2.xlsx) | * Is consistent across all rows for the same MPI\_ID |
| MEDICAID\_CIN | N | alphanumeric | * Medicaid Client Identify Number * Is complete across all rows * Follows the format two letters, 5 numbers, one letter. * Is unique per MRN\_ID. |

## Value Set Definitions

### Gender Identity

|  |  |  |
| --- | --- | --- |
| GENDER\_IDENTITY\_CODE | GENDER\_IDENTITY\_CODE\_DESCRIPTION | GENDER\_IDENTITY\_CODE\_SYSTEM\_NAME |
| 407377005 | Female-to-Male (FTM), Transgender Male, Trans Man | http://snomed.info/sct |
| 446141000124107 | Female | http://snomed.info/sct |
| 446151000124109 | Male | http://snomed.info/sct |
| 446131000124102 | Genderqueer | http://snomed.info/sct |
| 407376001 | Male-to-Female (MTF), Transgender Female, Trans Woman | http://snomed.info/sct |
| ASKU | Asked but unknown | http://snomed.info/sct |
| OTH | Other | http://snomed.info/sct |
| UNK | Unknown | http://snomed.info/sct |

### Administrative Sex

|  |  |  |
| --- | --- | --- |
| ADMINISTRATIVE\_SEX\_CODE | ADMINISTRATIVE\_SEX \_CODE\_DESCRIPTION | ADMINISTRATIVE\_SEX \_CODE\_SYSTEM |
| M | Male | http://terminology.hl7.org/CodeSystem/v3-AdministrativeGender |
| F | Female | http://terminology.hl7.org/CodeSystem/v3-AdministrativeGender |
| X or UN | Undifferentiated | http://terminology.hl7.org/CodeSystem/v3-AdministrativeGender |
| UNK | Unknown | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |
| OTH | Other | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |
| ASKU | Asked by Unknown | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |

### Sex At Birth

|  |  |  |
| --- | --- | --- |
| SEX\_AT\_BIRTH\_CODE | SEX\_AT\_BIRTH\_CODE\_DESCRIPTION | SEX\_AT\_BIRTH\_CODE\_SYSTEM |
| M | Male | http://terminology.hl7.org/CodeSystem/v3-AdministrativeGender |
| F | Female | http://terminology.hl7.org/CodeSystem/v3-AdministrativeGender |
| ASKU | asked but unknown | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |
| OTH | other | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |
| UNK | unknown | http://terminology.hl7.org/CodeSystem/v3-NullFlavor |

### Sexual Orientation

|  |  |  |
| --- | --- | --- |
| SEXUAL\_ORIENTATION\_CODE | SEXUAL\_ORIENTATION\_CODE\_DESCRIPTION | SEXUAL\_ORIENTATION\_CODE\_SYSTEM\_NAME |
| 42035005 | Bisexual | http://snomed.info/sct |
| 20430005 | Straight (not gay or lesbian) | http://snomed.info/sct |
| 38628009 | Gay or lesbian | http://snomed.info/sct |
| OTH | other | null |
| UNK | unknown | null |

# Screening CSV

*This screening CSV assumes the use of AHC HRSN as the only screening tool used for the 1115 Waiver.*

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN\_NAME | REQUIRED | TYPE | RULES |
| MRN\_ID | Y | alphanumeric | * MRN Is consistent across all rows for the same MPI\_ID |
| FACILITY\_ID | Y | alphanumeric | * FACILITY\_ID Is consistent across all rows for the same MRN\_ID for a given ENCOUNTER\_ID |
| ENCOUNTER\_ID | Y | alphanumeric | * Is unique per encounter for each MRN\_ID. |
| ENCOUNTER\_CLASS\_CODE | Y | alphabetic | * Is consistent across all rows for the same ENCOUNTER\_ID * [Codes](https://fhir-ru.github.io/v3/ActEncounterCode/vs.html) |
| ENCOUNTER\_CLASS\_CODE\_DESCRIPTION | N |  | * Is consistent across all rows for the same ENCOUNTER\_ID * [Code Descriptions](https://fhir-ru.github.io/v3/ActEncounterCode/vs.html) |
| ENCOUNTER\_CLASS\_CODE\_SYSTEM\_NAME | Y |  | * Is consistent across all rows for the same ENCOUNTER\_ID * <http://terminology.hl7.org/ValueSet/v3-ActEncounterCode> |
| ENCOUNTER\_STATUS\_CODE | Y |  | * Is consistent across all rows for the same ENCOUNTER\_ID * <https://fhir-ru.github.io/valueset-encounter-status.html> |
| ENCOUNTER\_STATUS\_CODE\_DESCRIPTION | N |  | * Is consistent across all rows for the same ENCOUNTER\_ID * <https://fhir-ru.github.io/valueset-encounter-status.html> |
| ENCOUNTER\_STATUS\_SYSTEM\_NAME | Y |  | * Is consistent across all rows for the same ENCOUNTER\_ID * <https://fhir-ru.github.io/valueset-encounter-status.html> |
| ENCOUNTER\_TYPE\_CODE | N | alphanumeric | * Is consistent across all rows for the same MPI\_ID * In-Person, Website, Phone * <https://build.fhir.org/ig/HL7/US-Core/ValueSet-us-core-encounter-type.html> |
| ENCOUNTER\_TYPE\_\_DESCRIPTION | N | alphanumeric | * Is consistent across all rows for the same MPI\_ID * <https://build.fhir.org/ig/HL7/US-Core/ValueSet-us-core-encounter-type.html> |
| ENCOUNTER\_TYPE\_\_SYSTEM\_NAME | Y | alphanumeric | * SNOMED-CT or SNOMED * CPT |
| SCREENING\_STATUS\_CODE | Y |  | * Is consistent across all rows for the same MPI\_ID * http://hl7.org/fhir/observation-status |
| SCREENING\_STATUS\_CODE\_DESCRIPTION | N |  | * Is consistent across all rows for the same MPI\_ID * http://hl7.org/fhir/observation-status |
| SCREENING\_STATUS\_CODE\_SYSTEM\_NAME | Y |  | * Is consistent across all rows for the same MPI\_ID * http://hl7.org/fhir/observatio   n-status |
| SCREENING\_CODE | Y | alphabetic ( 96777-8 or 97023-6) | * Is consistent across all rows for the same MPI\_ID *.* * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| SCREENING\_CODE\_DESCRIPTION | Y | alphabetic | * Is consistent across all rows for the same MRN\_ID, FACILITY\_ID, and ENCOUNTER\_ID combo * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| SCREENING\_CODE\_SYSTEM\_NAME | Y | alphabetic (  http://loinc.org) | * Is consistent across all rows for the same MPI\_ID |
| RECORDED\_TIME | Y | YYYYMMDD HH:MM:SS | * Is consistent across all rows for the same MPI\_ID * *YYYY is not before 2023.* * *MM is between 1 and 12.* * *DD is between 1 and 31 for MM- 01, 03, 05, 07, 08, 10, 12.* * *DD is between 1 and 30 for MM- 04, 06, 09, 11* * *DD is between 1 and 27 for MM- 02 unless YYYY is 2024x every 4 years, DD is between 1 and 29.* * *HH is between 1 and 24.* * *MM is between 1 and 59.* * *SS is between 1 and 59.* |
| QUESTION\_CODE | Y |  | * Is consistent across all rows for the same MPI\_ID * Only LOINC codes. * QUESTION\_CODE must belong to the SCREENING\_CODE it is associated with * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| QUESTION\_CODE\_DESCRIPTION | Y |  | * Is consistent across all rows for the same MPI\_ID * AHC HRSN Question * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| QUESTION\_CODE\_SYSTEM\_NAME | Y | alphabetic (  http://loinc.org | * Is consistent across all rows for the same MPI\_ID |
| ANSWER\_CODE | Y |  | * Is consistent across all rows for the same MPI\_ID * Only LOINC codes. * ANSWER\_CODE must belong to the QUESTION\_CODE it is associated with * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| ANSWSER\_CODE\_DESCRIPTION | Y |  | * Is consistent across all rows for the same MPI\_ID * AHC HRSN Answers * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| ANSWER\_CODE\_SYSTEM\_NAME | Y | alphabetic (  http://loinc.org | * Is consistent across all rows for the same MPI\_ID |
| UCUM\_UNITS | N |  | Only populated for:   * Safety total score= {score} * In the last 30 days, other than the activities you did for work, on average, how many days per week did you engage in moderate exercise (like walking fast, running, jogging, dancing, swimming, biking, or other similar activities)?= d/wk * On average, how many minutes did you usually spend exercising at this level on one of those days?= min/d * How many times in the past 12 months have you had 5 or more drinks in a day (males) or 4 or more drinks in a day (females)?= {#}/a * How many times in the past year have you used illegal drugs?= {#}/a |
| PARENT QUESTION CODE | N |  | * Blank for the AHC HRSN Screening |
| TOTAL SAFETY SCORE | N |  | * Only complete if question=Safety total score. * Total of questions with safety domain. * Range: 4-20 * We need to validate that for a group a questions that the score matches what we calculate |
| PHYSICAL ACTIVITY SCORE | N |  | * 1. Calculate [“number of days” selected] x [“number of minutes” selected] = [number of * minutes of exercise per week] * 2. Apply the right age threshold: * • Under 6 years old: You can’t find the physical activity need for people under 6. * • Age 6 to 17: Less than an average of 60 minutes a day shows an HRSN. * • Age 18 or older: Less than 150 minutes a week shows an HRSN. |
| MENTAL HEALTH SCORE | N |  | * Sum of question 24a and 2b. * 0-6 points |
| SDOH\_DOMAIN | Y |  | * Is consistent across all rows for the same MPI\_ID * [Please see crosswalk for potential questions, answers, codes, domains and needs.](https://nyehealth.sharepoint.com/:x:/r/sites/1115Extranet/_layouts/15/Doc.aspx?sourcedoc=%7BD1D8D087-9674-45FA-A6CA-3C0A0A5BDC83%7D&file=AHC_HRSN_Rules.xlsx&action=default&mobileredirect=true) |
| POTENTIAL\_NEED\_INDICATED | Y | Yes/No/NA | * Is consistent across all rows for the same MPI\_ID * Is only Yes if this is an underlined answer in [AHC HRSN](https://www.cms.gov/priorities/innovation/files/worksheets/ahcm-screeningtool.pdf). Please see crosswalk. |
| ASSISTANCE\_REQUESTED | N | Yes/No/NA | * If applicable, is complete. * NA if required score. |

# QE Admin Data CSV

*QEs will populate this administration data not facilities. QCS will validate this information or it will be validated in the SHIN-NY Data Lake in a FHIR resource.*

|  |  |  |  |
| --- | --- | --- | --- |
| COLUMN\_NAME | REQUIRED | TYPE | RULES |
| MRN\_ID | Y |  | * Has a unique value per patient and facility. |
| FACILITY\_ID | Y |  | * Has a unique value per facility. * Assigning Authority |
| FACILITY\_LONG\_NAME | Y |  | * Is consistent across all rows for the same MRN\_ID |
| ORGANIZATION\_TYPE | Y |  | * Is consistent across all rows for the same MRN\_ID * Hospital, DTC, SNF, SCN, CBO, OMH, OASAS, Practice, Article 36, Article 40. MCO. |
| FACILITY ADDRESS1 | Y |  | * Is consistent across all rows for the same MPI\_ID * Address is unique per facility. * Address is not a PO box. * Contains both numeric and alphabetic values. |
| FACILITY ADDRESS2 | N |  | * Address is unique per facility. * Address is not a PO box. * Contains both numeric and alphabetic values. |
| FACILITY CITY | N |  | * Is consistent across all rows for the same MRN\_ID * Is a city in New York State |
| FACILITY STATE | N | NY or New York | * Is consistent across all rows for the same MRN\_ID * New York or NY |
| FACILITY ZIP | Y | Numeric | * Is consistent across all rows for the same MRN\_ID * 5 digits or 9 digits. * All numeric. |
| VISIT\_PART\_2\_FLAG | Y |  | * Is consistent across all rows for the same MRN\_ID * Yes/No * Only yes if part 2 facility. |
| VISIT\_OMH\_FLAG | Y |  | * Is consistent across all rows for the same MRN\_ID * Yes/No * Only yes if OMH facility. |
| VISIT\_OPWDD\_FLAG | Y |  | * Is consistent across all rows for the same MRM\_ID * Yes/No * Only yes if OPWDD facility. |

# SHIN-NY Data Lake Validation Rules

* **TBD**