

**Transformed Medicaid Statistical Information System (T-MSIS)**

**Data Dictionary Record Segment Relationships**

**Version: v2.4.0**

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# T-MSIS Record Segment Definitions and Relationships

This document contains definitions and diagrams that depict T-MSIS Record Segment Relationships. On all joins, the effective date of the child must fall completely with the set of effective date span of the active parent records. There shall be no dates where a child is active without a corresponding active parent.

Table 1: T-MSIS Record Segment Definitions

| **File Name** | **Record Segment Name** | **Record Identifier** | **Record Segment Definition** | **Record Segment Length** |
| --- | --- | --- | --- | --- |
| Claim Inpatient File | FILE-HEADER-RECORD-IP | CIP00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 2,100 |
| Claim Inpatient File | CLAIM-HEADER-RECORD-IP | CIP00002 | A record to capture data about an inpatient claim or encounter that applies to the claim in its totality. | 2,100 |
| Claim Inpatient File | CLAIM-LINE-RECORD-IP | CIP00003 | A record to capture data about specific goods or services rendered to a Medicaid/CHIP enrollee during the hospital stay. | 2,100 |
| Claim Long-term Care File | FILE-HEADER-RECORD-LT | CLT00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,900 |
| Claim Long-term Care File | CLAIM-HEADER-RECORD-LT | CLT00002 | A record to capture data about a long-term care claim or encounter that applies to the claim in its totality. | 1,900 |
| Claim Long-term Care File | CLAIM-LINE-RECORD-LT | CLT00003 | A record to capture data about specific goods or services rendered to a Medicaid/CHIP enrollee during a long-term care stay. | 1,900 |
| Claim Other File | FILE-HEADER-RECORD-OT | COT00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,750 |
| Claim Other File | CLAIM-HEADER-RECORD-OT | COT00002 | A record to capture data about another type of claim or encounter (besides IP, LT, and RX) that applies to the claim in its totality. | 1,750 |
| Claim Other File | CLAIM-LINE-RECORD-OT | COT00003 | A record to capture data about specific goods or services rendered to a Medicaid/CHIP enrollee during an outpatient visit. | 1,750 |
| Claim Prescription File | FILE-HEADER-RECORD-RX | CRX00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,450 |
| Claim Prescription File | CLAIM-HEADER-RECORD-RX | CRX00002 | A record to capture data about a pharmacy claim or encounter that applies to the claim in its totality. | 1,450 |
| Claim Prescription File | CLAIM-LINE-RECORD-RX | CRX00003 | A record to capture data about specific prescription goods or services rendered to a Medicaid/CHIP enrollee. | 1,450 |
| Eligible File | FILE-HEADER-RECORD-ELIGIBILITY | ELG00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,000 |
| Eligible File | PRIMARY-DEMOGRAPHICS-ELIGIBILITY | ELG00002 | A record to capture basic demographic information about the individual. | 1,000 |
| Eligible File | VARIABLE-DEMOGRAPHICS-ELIGIBILITY | ELG00003 | A record to capture additional demographic information that is more prone to periodic changes than primary demographics. | 1,000 |
| Eligible File | ELIGIBLE-CONTACT-INFORMATION | ELG00004 | A record to capture addresses and phone numbers of the individual. | 1,000 |
| Eligible File | ELIGIBILITY-DETERMINANTS | ELG00005 | A record to capture factors that influence an individual’s eligibility for basic Medicaid/CHIP, as well as the various waivers and demonstrations. | 1,000 |
| Eligible File | HEALTH-HOME-SPA-PARTICIPATION-INFORMATION | ELG00006 | A record to capture the eligible person's participation in the state's health home initiative. | 1,000 |
| Eligible File | HEALTH-HOME-SPA-PROVIDERS | ELG00007 | A record to capture the identity of the health home entity in which the eligible person is enrolled, as well as the identity of the provider with primary responsibility for coordinating the delivery of health home services. | 1,000 |
| Eligible File | HEALTH-HOME-CHRONIC-CONDITIONS | ELG00008 | A record to capture an eligible person's chronic conditions that qualified him/her for participation in the health home initiative. | 1,000 |
| Eligible File | LOCK-IN-INFORMATION | ELG00009 | A record to capture the provider, or providers, to whom the eligible person is restricted, as well as the time periods during which the lock-in provisions are in force. | 1,000 |
| Eligible File | MFP-INFORMATION | ELG00010 | A record to capture information about an eligible person's participation in the Money Follows the Person demonstration program. | 1,000 |
| Eligible File | STATE-PLAN-OPTION-PARTICIPATION | ELG00011 | A record to capture the identity of the State Plan Options in which an eligible person is enrolled. | 1,000 |
| Eligible File | WAIVER-PARTICIPATION | ELG00012 | A record to capture the identity of the waivers in which an eligible person is enrolled. | 1,000 |
| Eligible File | LTSS-PARTICIPATION | ELG00013 | A record to capture the level of care an eligible person receives at various points in time while in a long-term care facility. | 1,000 |
| Eligible File | MANAGED-CARE-PARTICIPATION | ELG00014 | A record to capture information about an eligible person's enrollment in a managed care plan. | 1,000 |
| Eligible File | ETHNICITY-INFORMATION | ELG00015 | A record to capture information about an eligible person's ethnicity. | 1,000 |
| Eligible File | RACE-INFORMATION | ELG00016 | A record to capture information about an eligible person's race. | 1,000 |
| Eligible File | DISABILITY-INFORMATION | ELG00017 | A record to capture information about an eligible person's disabilities. | 1,000 |
| Eligible File | 1115A-DEMONSTRATION-INFORMATION | ELG00018 | A record to capture an eligible person's 1115A participation. | 1,000 |
| Eligible File | HCBS-CHRONIC-CONDITIONS-NON-HEALTH-HOME | ELG00020 | A record to capture an eligible person's chronic conditions for which an eligible person is receiving home and community-based care. | 1,000 |
| Eligible File | ENROLLMENT-TIME-SPAN-SEGMENT | ELG00021 | A record to capture the eligible person's type of enrollment and time spans of enrollment. | 1,000 |
| Eligible File | ELG-IDENTIFIERS | ELG00022 | A record to capture the identifiers assigned to a beneficiary by various entities. | 1,000 |
| Managed Care Plan Information File | FILE-HEADER-RECORD-MANAGED-CARE | MCR00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,000 |
| Managed Care Plan Information File | MANAGED-CARE-MAIN | MCR00002 | A record to capture basic, generally static information about a managed care entity. | 1,000 |
| Managed Care Plan Information File | MANAGED-CARE-LOCATION-AND-CONTACT-INFO | MCR00003 | A record to capture addresses, phone numbers, fax numbers, and email addresses of the managed care organization. | 1,000 |
| Managed Care Plan Information File | MANAGED-CARE-SERVICE-AREA | MCR00004 | A record to capture the zip codes, counties, or other geographic descriptors that define the managed care entity’s service area. | 1,000 |
| Managed Care Plan Information File | MANAGED-CARE-OPERATING-AUTHORITY | MCR00005 | A record to capture information about the operating authority, waivers and demonstrations under which a managed care entity is contracted with the state. | 1,000 |
| Managed Care Plan Information File | MANAGED-CARE-PLAN-POPULATION-ENROLLED | MCR00006 | A record to capture the identity of the Medicaid/CHIP eligibility groups that the managed care entity is authorized to enroll. | 1,000 |
| Managed Care Plan Information File | MANAGED- CARE-ACCREDITATION-ORGANIZATION | MCR00007 | A record to capture information concerning the accreditations that the managed care entity has. | 1,000 |
| Managed Care Plan Information File | NATIONAL-HEALTH-CARE-ENTITY-ID-INFO | MCR00008 | A record to capture the national health plan identifiers associated with the managed care entity. | 1,000 |
| Managed Care Plan Information File | CHPID-SHPID-RELATIONSHIPS | MCR00009 | A record to link a managed care entity Sub-Health Plan IDs with the appropriate Controlling Health Plan IDs. | 1,000 |
| Provider File | FILE-HEADER-RECORD-PROVIDER | PRV00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 1,100 |
| Provider File | PROV-ATTRIBUTES-MAIN | PRV00002 | A record to capture basic, generally static information about each provider.  A provider is an individual person (medical or non-medical), a group of individuals, or an organization (e.g. institution, facility, agency, hospital, nursing facility, home health agency, school, or transportation organization) that delivers or facilitates health-related treatments, health care services, or living supports. | 1,100 |
| Provider File | PROV-LOCATION-AND-CONTACT-INFO | PRV00003 | A record to capture addresses, phone numbers, and email addresses of the provider.  Each PROV-LOCATION-AND-CONTACT-INFO record segment represents the set of contact information for a single provider location.  The state can enter as many sets of contact information (i.e., multiple PROV-LOCATION-AND-CONTACT-INFO record segments) as it considers necessary. The value selected for the ADDR-TYPE field describes the type of contact information on that particular record (e.g., provider service location, provider billing address, etc.). The PROV-LOCATION-ID differentiates one PROV-LOCATION-AND-CONTACT-INFO record segment from another when the ADDR-TYPE value on both records is the same. | 1,100 |
| Provider File | PROV-LICENSING-INFO | PRV00004 | A record to capture licensing and accreditation information relevant to the provider. | 1,100 |
| Provider File | PROV-IDENTIFIERS | PRV00005 | A record to capture the identifiers assigned to the provider entity by various governmental, professional, and payer entities. | 1,100 |
| Provider File | PROV-TAXONOMY-CLASSIFICATION | PRV00006 | A record to classify the provider into areas of specialty, as well as the authorized categories of service for which the provider entity has been authorized by the state to render to Medicaid/CHIP eligibles. | 1,100 |
| Provider File | PROV-MEDICAID-ENROLLMENT | PRV00007 | A record to capture the provider’s periods of participation in the state's Medicaid/CHIP programs, and the reason for a change in enrollment status. | 1,100 |
| Provider File | PROV-AFFILIATED-GROUPS | PRV00008 | A record to capture a provider’s relationship(s) with other provider(s). | 1,100 |
| Provider File | PROV-AFFILIATED-PROGRAMS | PRV00009 | A record to capture the Medicaid/CHIP health plans, waivers, health home entities, etc. that the provider entity is associated with. | 1,100 |
| Provider File | PROV-BED-TYPE-INFO | PRV00010 | A record to capture the number of beds available for various categories of bed at provider entities that are facilities. | 1,100 |
| Third-party Liability File | FILE-HEADER-RECORD-TPL | TPL00001 | A record containing metadata necessary to identify the file itself, when it was created and the number of records it contains. | 900 |
| Third-party Liability File | TPL-MEDICAID-ELIGIBLE-PERSON-MAIN | TPL00002 | A record to capture basic, generally static information to identify Medicaid/CHIP enrollees for whom third party funds may be available to offset some or all of their Medicaid/CHIP costs. | 900 |
| Third-party Liability File | TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-INFO | TPL00003 | A record to capture insurance policy information needed to facilitate pursuit of the third party liability. | 900 |
| Third-party Liability File | TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-CATEGORIES | TPL00004 | A record to capture TPL insurance coverage information to support the applicability assessment of the third party insurance coverage to the Medicaid/CHIP costs incurred on behalf of the Medicaid/CHIP enrollee. | 900 |
| Third-party Liability File | TPL-MEDICAID-ELIGIBLE-OTHER-THIRD-PARTY-COVERAGE-INFORMATION | TPL00005 | A record to flag Medicaid/CHIP enrollees who potentially have non-insurance sources of funds that could be used to offset Medicaid/CHIP expenditures. | 900 |
| Third-party Liability File | TPL-ENTITY-CONTACT-INFORMATION | TPL00006 | A record to capture addresses and phone numbers of the entity providing TPL insurance coverage. | 900 |

# Claim IP File – Record Segment Relationships

Diagram 1: Claim IP File – Claim Record Segment Relationships

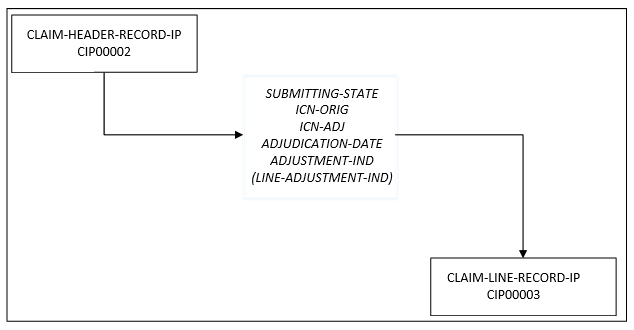


Figure 1: Claim IP File – Claim Record Segment Relationships

**Description of Diagram 1:**

Each claim record in the T-MSIS inpatient claims file is composed of two types of record segments: One claim header segment and multiple claim line segments. Each claim line segment joins to its claim header segment on the following four data elements:

1. SUBMITTING-STATE
2. ICN-ORIG
3. ICN-ADJ
4. ADJUDICATION-DATE
5. ADJUSTMENT-IND (LINE-ADJUSTMENT-IND)

# Claim LT File – Claim Record Segment Relationships

Diagram 2: Claim LT File – Claim Record Segment Relationships

Claim Header Record LT relationship to Claim Line Record LT. See Diagram 2 description.



Figure 2: Claim LT File – Claim Record Segment Relationships

**Description of Diagram 2:**

Each claim record in the T-MSIS long-term care claims file is composed of two types of record segments: One claim header segment and multiple claim line segments. Each claim line segment joins to its claim header segment on the following four data elements:

1. SUBMITTING-STATE
2. ICN-ORIG
3. ICN-ADJ
4. ADJUDICATION-DATE
5. ADJUSTMENT-IND (LINE-ADJUSTMENT-IND)

# Claim OT File – Claim Record Segment Relationships

Diagram 3: Claim OT File – Claim Record Segment Relationships

Claim Header Record OT relationship to Claim Line Record OT.  See Diagram 3 description.



Figure 3: Claim OT File – Claim Record Segment Relationships

**Description of Diagram 3:**

Each claim record in the T-MSIS other claims file is composed of two types of record segments: One claim header segment and multiple claim line segments. Each claim line segment joins to its claim header segment on the following four data elements:

1. SUBMITTING-STATE
2. ICN-ORIG
3. ICN-ADJ
4. ADJUDICATION-DATE
5. ADJUSTMENT-IND (LINE-ADJUSTMENT-IND)

# Claim RX File – Claim Record Segment Relationships

Diagram 4: Claim RX File – Claim Record Segment Relationships

Claim Header Record RX relationship to Claim Line Record RX. See Diagram 4 description



Figure 4: Claim RX File – Claim Record Segment Relationships

**Description of Diagram 4:**

Each claim record in the T-MSIS prescription drug (RX) claims file is composed of two types of record segments: One claim header segment and multiple claim line segments. Each claim line segment joins to its claim header segment on the following four data elements:

1. SUBMITTING-STATE
2. ICN-ORIG
3. ICN-ADJ
4. ADJUDICATION-DATE
5. ADJUSTMENT-IND (LINE-ADJUSTMENT-IND)

# Eligible File – Eligible Person Record Segment Relationships

Diagram 5: Eligible File – Eligible Person Record Segment Relationships

Eligible Person Record Segment relationship  See Diagram 4 description.


Figure 5: Eligible File – Eligible Person Record Segment Relationships

**Description of Diagram 5:**

Each eligible person in T-MSIS has a record in the T-MSIS eligibility file. Each of these records is comprised of up to twenty different types of record segments. The PRIMARY-DEMOGRAPHICS-ELIGIBILITY (ELG00002) segment is the parent segment and all other segments, except for the HEALTH-HOME-SPA-PROVIDERS (ELG00007) segment, join to it on the following two data elements:

1. SUBMITTING-STATE
2. MSIS-IDENTIFICATION-NUM

The exception (the HEALTH-HOME-SPA-PROVIDERS (ELG00007) segment) is a child of the HEALTH-HOME-SPA-PARTICIPATION-INFORMATION (ELG00006) segment and joins to it on:

1. SUBMITTING-STATE
2. MSIS-IDENTIFICATION-NUM
3. HEALTH-HOME-SPA-ID
4. HEALTH-HOME-ENTITY-NAME

# Provider File – Provider Record Segment Relationships

Diagram 6: Provider File – Provider Record Segment Relationships

Provider Record Segment Relationships.  See Description of Diagram 6.

Figure 6: Provider File – Provider Record Segment Relationships

**Description of Diagram 6:**

Each provider in T-MSIS (regardless of whether the provider is a single individual, a group of practitioners, a facility, or a group of facilities) must have a record in the T-MSIS providers file. Each provider record is comprised of up to nine different types of record segments. The PROV-ATTRIBUTES-MAIN (PRV00002) segment is the parent segment to five segments: PROV-TAXONOMY-CLASSIFICATION (PRV00006), PROV-MEDICAID-ENROLLMENT (PRV00007), PROV-AFFILIATED-GROUPS (PRV00008), PROV-AFFILIATED-PROGRAMS (PRV00009), and PROV-LOCATION-AND-CONTACT-INFO (PRV00003), all of which join to PROV-ATTRIBUTES-MAIN on the following two data elements:

1. SUBMITTING-STATE
2. SUBMITTING-STATE-PROV-ID

In addition, the PROV-LOCATION-AND-CONTACT-INFO (PRV00003) segment is a parent segment in its own right to three additional subordinate segments: PROV-IDENTIFIERS (PRV00005), PROV-LICENSING-INFO (PRV00004), PROV-BED-TYPE-INFO (PRV00010). These three segments join to the PROV-LOCATION-AND-CONTACT-INFO segment on:

1. SUBMITTING-STATE
2. SUBMITTING-STATE-PROV-ID
3. PROV-LOCATION-ID

# Managed Care File – Managed Care Entity Record Segment Relationships

Diagram 7: Managed Care File – Managed Care Entity Record Segment Relationships



Figure 7: Managed Care File – Managed Care Entity Record Segment Relationships

**Description of Diagram 7:**

Each managed care entity in T-MSIS must have a record in the T-MSIS managed care file. Each managed care record is comprised of up to eight different types of record segments. The MANAGED-CARE-MAIN (MCR00002) segment is the parent segment to six segments: MANAGED-CARE-LOCATION-AND-CONTACT-INFO (MCR00003), MANAGED-CARE-SERVICE-AREA (MCR00004), MANAGED-CARE-OPERATING-AUTHORITY (MCR00005), MANAGED-CARE-PLAN-POPULATION-ENROLLED (MCR00006), MANAGED- CARE-ACCREDITATION-ORGANIZATION (MCR00007), and NATIONAL-HEALTH-CARE-ENTITY-ID-INFO (MCR00008), all of which join to PROV-ATTRIBUTES-MAIN on the following two data elements:

1. SUBMITTING-STATE
2. STATE-PLAN-ID-NUM

In addition, the NATIONAL-HEALTH-CARE-ENTITY-ID-INFO (MCR00008) segment is a parent segment in its own right to the CHPID-SHPID-RELATIONSHIPS (MCR00009) segment, which joins to the NATIONAL-HEALTH-CARE-ENTITY-ID-INFO segment on:

1. SUBMITTING-STATE
2. STATE-PLAN-ID-NUM
3. NATIONAL-HEALTH-CARE-ENTITY-ID\*
4. NATIONAL-HEALTH-CARE-ENTITY-ID-TYPE\*.

*\* = MCR00008.NATIONAL-HEALTH-CARE-ENTITY-ID would join to either MCR00009.CHPID or MCR00009.SHPID based on the value in MCR00008.NATIONAL-HEALTH-CARE-ENTITY-ID-TYPE.*

# Third-Party Liability (TPL) File – Record Segment Relationships

Diagram 8: Third-Party Liability (TPL) File – TPL Record Segment Relationships

Third-Party Liability File Segment Relationships.  See Description of Diagram 8.

Figure 8: Third-Party Liability (TPL) File – TPL Record Segment Relationships

**Description of Diagram 8:**

Each instance of potential third-party liability for T-MSIS eligibles must have a record in the T-MSIS TPL file. There are actually two sets of information captured (called “subject areas”) in the TPL file: One set of records captures general information about non-Medicaid, non-Medicare health insurers, while the other set of records captures information about third party sources of funds that individual Medicaid/CHIP eligibles have.

## TPL Health Insurance Entity Subject Area

Two types of record segments comprise the “TPL health insurance entity subject area:” the TPL-ENTITY-CONTACT-INFORMATION (TPL00006) and TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-CATEGORIES (TPL00004) segments. There is a one-to-many relationship between these segment types (one TPL-ENTITY-CONTACT-INFORMATION segment type to many TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-CATEGORIES segments). The TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-CATEGORIES segment joins to the TPL-ENTITY-CONTACT-INFORMATION segment on two fields:

1. SUBMITTING-STATE
2. INSURANCE-CARRIER-ID-NUM

## Medicaid/CHIP Enrollees with TPL Funding Subject Area

Three types of segments make up the “Medicaid/CHIP Enrollees with TPL Funding Subject Area.” The TPL-MEDICAID-ELIGIBLE-PERSON-MAIN

(TPL00002) segment type is the parent segment, with TPL-MEDICAID-ELIGIBLE-PERSON-HEALTH-INSURANCE-COVERAGE-INFO (TPL00003) and TPL-MEDICAID-ELIGIBLE-OTHER-THIRD-PARTY-COVERAGE-INFORMATION (TPL00005) being the subordinate segments. The two subordinate segments join to TPL-MEDICAID-ELIGIBLE-PERSON-MAIN (TPL00002) segment on:

1. SUBMITTING-STATE
2. MSIS-IDENTIFICATION-NUM

**PRA Disclosure Statement** The Transformed Medicaid Statistical Information System (T-MSIS) is used to assist the Centers for Medicare & Medicaid Services (CMS) with monitoring and oversight of Medicaid and CHIP programs, to enable evaluation of demonstrations under section 1115 of the Social Security Act and to calculate quality measures and other metrics, including those reported through the new Medicaid and CHIP Scoreboard. Section 4735 of the Balanced Budget Act of 1997 included a statutory requirement for states to submit claims data, enrollee encounter data, and supporting information. Section 6504 of the Affordable Care Act strengthened this provision by requiring states to include data elements the Secretary determines necessary for program integrity, program oversight, and administration. Under the Privacy Act of 1974 any personally identifying information obtained will be kept private to the extent of the law. According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0938-0345 (Expires: 07/31/2022). The time required to complete this information collection is estimated to average 10 hours per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: CMS, 7500 Security Boulevard, Attn: PRA Reports Clearance Officer, Mail Stop C4-26-05, Baltimore, Maryland 21244-1850.