

Medicare Fee-For-Service Provider Enrollment – Skilled Nursing Facility (SNF): Data Guidance

Version 1.8

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FOREWORD

This document provides background information and data guidance for the Provider Enrollment – Skilled Nursing Facility (SNF) files. The ensuing sections of this document are organized to provide policy and data context first, followed by a general overview of the data, followed by instructions for performing common data operations and contact information, concluding with data dictionaries and reference tables to characterize the data.

- Section 1, “Background,” provides basic background information pertaining to both policy and the source of the Provider Enrollment – SNF data. Additionally, key terms are defined in this section.
- Section 2, “Provider Enrollment – SNF Data Contents,” provides an overview of the contents of the Provider Enrollment – SNF files, including the scope of the data and a description of the files.
- Section 3, “Common Data Operations,” gives general methodological instructions for performing common data operations.
- Section 4, “Merging to Non-PECOS data,” provides information on other ways of merging this data with other datasets.
- Section 5, “Data Limitations,” lists the data limitations that should be kept in mind when using the Provider Enrollment – SNF files.
- Section 6, “Contact Information,” provides information on the points of contact for inquiries relating to the Provider Enrollment – SNF files.
- Appendix A, “SNF Enrollments File Layout,” provides the data dictionary for the SNF Enrollments file.
- Appendix B, “SNF All Owners File Layout,” provides the data dictionary for the SNF All Owners file.
- Appendix C, “SNF ADP Services File Layout,” provides the data dictionary for the SNF Additional Disclosable Party (ADP) Services file.
- Appendix D, “SNF ADP Associations File Layout,” provides the data dictionary for the SNFADP Associations file.
- Appendix E, “SNF Additional NPIs File Layout,” provides the data dictionary for the SNF Additional NPIs file.
- Appendix F, “State Code Reference,” provides reference values to state codes.
- Appendix G, “Provider Type Code Reference,” provides reference values to provider type codes.
- Appendix H, “Owner Role Code Reference,” provides reference values to ownership and managerial control role code values.
- Appendix J, “ADP Service Type Code Reference,” provides reference values to ADP service type code values.
- Appendix I, “Sub Role Code Reference,” provides referenced values to sub role code values.
- Appendix K, “Revision History,” tracks updates and additions related to the Provider Enrollment – SNF files.

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1 BACKGROUND

This section provides background and context for understanding the Provider Enrollment – SNF files. Section 1.1 describes the policy context and goals leading to the release of the data. Section 1.2 provides information on the data source of the SNF data: the Provider Enrollment, Chain, and Ownership System (PECOS). Section 1.3 defines key terms. Finally, Section 1.4 defines affiliated entity methodology.

1.1 POLICY CONTEXT

The Public Provider Enrollment Files (PPEF), which were released to the general public for the first time on February 22, 2016, aim to promote and practice data transparency for non-sensitive Medicare information and allow easy access to Medicare provider enrollment data.

As part of Centers for Medicare and Medicaid Services (CMS) efforts to further improve provider and supplier enrollment data sharing and transparency, on April 20, 2022, CMS released data for SNF Change of Ownership. To further this effort, CMS is releasing data for all Skilled Nursing Facilities and their ownership information. This data for Medicare-enrolled SNF providers is a subset of information available in PECOS – the system of record for Medicare provider enrollment. The data contained in these files is self-reported by the provider via the CMS-855A application.¹ These files will provide a clear and transparent way for providers, suppliers, state Medicaid programs, private payers, researchers, and any other interested individual or organization to leverage Medicare provider enrollment data on SNFs and their ownership and managerial control information.

On November 17, 2023, CMS published in the Federal Register a final rule title, “Medicare and Medicaid Programs; Disclosures of Ownership and Additional Disclosable Parties Information for Skilled Nursing Facilities and Nursing Facilities; Medicare Providers’ and Suppliers’ Disclosure of Private Equity Companies and Real Estate Investment Trusts” (88 FR 80141). This final rule implements parts of section 1124(c) of the Act which requires SNFs to disclose detailed information about their ownership and management as well as additional data regarding: (1) other parties with which the SNF is associated; and (2) the ownership structures of these other parties. Refer to Medicare Enrollment for Providers & Suppliers for more information on the SNF disclosure requirements. Section 6101(b) of the Affordable Care Act states that no later than one year after final regulations promulgated under section 1124(c) of the Act are published in the Federal Register, the Secretary shall make the information reported available to the public. On November 21, 2024, CMS updated this dataset to include this reported information.

1.2 DATA SOURCE

The main source of this data is PECOS (pronounced PAY-kohs). PECOS is an electronic Medicare enrollment system and national data repository for individual and organizational providers who have enrolled or are enrolling in Medicare.² CMS’ Medicare Administrative Contractors (MACs) enroll providers using PECOS. From these enrolling providers, the MACs through PECOS collect information related to the provider’s identity, such as Social Security Number (SSN) or Employer Identification Number (EIN),

¹ The application form has instructions for filers. <https://www.cms.gov/Medicare/CMS-Forms/CMS-Forms/CMS-Forms-Items/CMS019475>, accessed 2026-06-23. Mnemonically, the file can be found by googling “855A” and “Medicare.”

² Beneficiaries “enroll” in Medicare to receive healthcare benefits, and providers and suppliers “enroll” to deliver those benefits. The purpose and mechanics of the two enrollment systems are different.

specialty, qualifications, practice locations, ownership, billing agency information, reassignment of benefits, and related organizations.

Although this data is limited to SNFs that are enrolled in Medicare, most nursing homes (94%) are certified to serve both Medicare and Medicaid residents.³ Short, post-acute care is provided under the Medicare SNF benefit, for beneficiaries with more complex medical needs requiring skilled nursing or skilled rehabilitation, while long-stay, custodial-type care is provided in Nursing Facilities (NFs) serving older people with chronic medical conditions and is often covered by Medicaid. Medicare and Medicaid patients may be treated in separate designated areas, such as a wing, a floor or ward, and a hallway of a facility, or a separate building, but in general they are treated in the same facility and the same institutional complex. Hence, the ownership patterns in this dataset may also yield insights into the ownership of Medicaid facilities.

1.3 KEY TERMS

Enrollment ID: A unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information in PECOS (e.g., enrollment type, enrollment state, provider specialty, reassignment of benefits) is linked through the enrollment ID. Individual enrollment IDs begin with an 'I' and organization enrollment IDs begin with an 'O.'

Medicare Administrative Contractor (MAC): A regional private healthcare insurer that serves as the primary contact between the Medicare Fee-For-Service (FFS) program and its providers by performing activities such as enrolling providers and processing claims. There are three types of MACs: Parts A/B, Home Health/Hospice, and Durable Medical Equipment (DME). While MACs oversee a collection of states (jurisdiction), providers typically enroll at the state level.

Ownership: There are several dimensions to the ownership of a provider. The owner can be one or more individuals or can be one or more entities (each defined by its Tax Identification Number [TIN]). When the direct owner is an organization, it too can have one or more owners, which are labeled "indirect owners." In principle, there can be several layers of owners, with the owner at the top of the organization chart being labeled in federal statute as the "ultimate parent." Any entities below the ultimate parent, which is not identified in these data, are its subsidiaries. Ownership is defined broadly to include individuals and firms that have operational or managerial control.

Direct Ownership Interest: Direct ownership interest means the possession of equity in the capital, the stock, or the profits of the disclosing entity.

Indirect Ownership Interest: Indirect ownership interest means any ownership interest in an entity that has an ownership interest in the disclosing entity. Many organizations that directly own a provider are themselves wholly or partly owned by other organizations (or even individuals). This is often the result of the use of holding companies and parent/subsidiary relationships. Such organizations and individuals are considered to be "indirect" owners of the provider.

Organizational Structure Type: That is, corporation, limited liability company, partnership, sole proprietor, government, and other.

PECOS Associate Control ID (PAC ID): A unique 10-digit numeric identifier that is assigned to each individual or organization in PECOS. All entity-level information in PECOS (e.g., TINs and organizational names) is linked through the PAC ID. A PAC ID may be associated with multiple enrollment IDs if the

³ https://www.medpac.gov/wp-content/uploads/2025/06/Jun25_Ch5_MedPAC_Report_To_Congress_SEC.pdf, accessed 2026-07-13.

individual or organization enrolled multiple times under different circumstances. Unlike enrollment IDs, there is no provider information embedded within any of the digits of PAC IDs.

Provider Enrollment, Chain, and Ownership System (PECOS): The electronic Medicare enrollment system and national data repository for individual and organizational providers who have enrolled or are enrolling in Medicare. PECOS is the data source of the Provider Enrollment – SNF files.

Provider: For the purposes of this document, a provider is any entity that submitted an enrollment application through the MACs, in order to bill to Medicare for services. Defined in terms of its TIN, this includes institutional providers such as hospitals and SNFs.

However, in performing its certification and survey functions, Medicare uses “provider” in a narrower sense, which is more likely to be a single SNF building. The “provider” identification number is now the CMS Certification Number (CCN). Hence, a provider (defined in terms of its TIN) may enroll multiple providers (defined in terms of CCNs).

Provider Type: The type of enrollment application submitted by the provider. Institutional providers submit form CMS-855A.

Tax Identification Number (TIN): The unique identifier assigned by the Social Security Administration (SSA) or the Internal Revenue Service (IRS) to a person or organization. For individuals, the TIN is equivalent to the SSN. For organizations, the TIN is typically the EIN. From a provider enrollment perspective, CMS considers TINs to be protected information and does not release them in public files.

National Provider Identifier (NPI): A unique 10-digit numeric identifier for covered healthcare providers that all providers must obtain before enrolling in Medicare. It is assigned to healthcare providers upon application through the National Plan and Provider Enumeration System (NPPES).

CMS Certification Number (CCN): A CCN, formerly called an OSCAR Number, is a 6-digit Medicare certification number issued for a facility by CMS.

Certification and Survey Provider Enhanced Reporting (CASPER): CASPER is a data system in which CMS certification and survey data reside. The CCN and Nursing Home Provider Name (assigned by CMS and state survey agencies) are sourced from CASPER.

Affiliation Entity Name: A unique name identifying a group of nursing homes that share at least one individual or organizational owner, officer, or entity with operational/managerial control. Affiliated entities are identified through network analysis (see below).

Affiliation Entity ID: A unique numeric identifier assigned to each affiliation entity.

Additional Disclosable Party (ADP): An individual or organization that exercises operational, financial, or managerial control over the facility, provides certain services, or leases, subleases, and/or owns property associated with the facility.

1.4 AFFILIATED ENTITY METHODOLOGY

SNFs are assigned to groups of SNFs called “affiliated entities.” In general, each SNF is assigned to a single affiliated entity, although a few are not assigned to any such entity.

The first step of this assignment involves a hierarchy. For SNFs that report at least one individual or organizational owner, assignment is based on ownership. For SNFs that report no individual or organizational owners but do report a board of directors (e.g., nonprofit SNFs), assignment is based on

individuals who are reported to be in the “officer” or “director” role. For the remaining SNFs that report no owners but do report operational/managerial control, assignment is based on that. This data is sourced via PECOS.

Affiliated entities are identified via network analysis. In network analysis, the structure of the relationships between SNFs is modeled as a network, in which nodes (in this analysis, SNFs) are linked to each other via edges (in this case, owner PAC IDs in PECOS). Specifically, the relationships are modeled as an undirected network, in which nodes are connected by edges, but the directionality of the edges is undefined and edges are unweighted. This is done using the “igraph” package in the statistical software application R v.4.0.0. This methodology is also used to assign SNFs to the “Top 10 Chains” for the Quality, Certification and Oversight Reports (QCOR).⁴

Affiliated entities are then detected via two methods. The first is via modularity, in which affiliated entities are identified where nodes have dense connections with each other and sparse connections with nodes in other affiliated entities. They are also identified using hierarchical clustering, specifically the Agglomerative Nesting (AGNES) method.

After each SNF is assigned to an affiliated entity, the groupings are manually checked against the list of owners in PECOS for accuracy. Then, each entity is assigned a name if the entity has SNFs located in at least two states or has at least five SNFs located in a single state. These names are assigned from one of the following sources, depending on the availability of the data:

- Shared organizational owners in the affiliated entity
- Shared organizational operational/managerial control
- Shared facility names or legal business names (LBNs) (e.g., “The Waters of _____”, “Symphony _____”)
- The shared chain home office in PECOS
- Shared public-facing websites or other public sources

Exceptions to the above rule include SNFs owned by city or county hospitals in Indiana and Texas.⁵

⁴ <https://qcor.cms.gov/main.jsp>, accessed 2026-06-23.

⁵ Medicaid reimbursement policies in Indiana and Texas allow city and county hospitals in these states to own multiple SNFs with differing operators. In these cases, the affiliated entity is assigned based on one of the following:

- Shared organizational operational/managerial control
- Shared public-facing websites or other public sources
- The shared name of the city or county hospital, if the SNF cannot be determined to have external operational control

2 PROVIDER ENROLLMENT – SNF DATA CONTENTS

This section provides an overview of the contents of the SNF data. Section 2.1 describes the scope (i.e., population) of the data. Section 2.2 describes and explains the general purpose of the relational data files included: **SNF_ENROLLMENTS**, **SNF_ALL_OWNERS**, and **SNF_ADDITIONAL_NPIS**.

2.1 POPULATION

The Provider Enrollment – SNF files include all SNF enrollment applications, or enrollments, that were approved to bill Medicare as of the PECOS data version used to produce the files. This includes enrollments for Part A providers with a SNF specialty. The files do not contain historical enrollment information, and only capture currently active enrollments as of the PECOS data version.

2.2 ENROLLMENT AND OWNERSHIP DATA

Relational Provider Enrollment Data: For each enrollment in the population specified in Section 2.1 (i.e., all approved SNF enrollments), the Provider Enrollment – SNF files contain basic provider enrollment information; practice location address, if applicable; and active ownership information for the enrollment, if applicable. This information is stored in three separate relational data files. This is due to the one-to-many relationships between enrollment application information and ownership information. A brief description of each files' contents is given below, and Section 3 describes common data operations associated with these files.

SNF_ENROLLMENTS – This file contains a unique listing of all SNF enrollment applications that have been approved to bill Medicare. The enrollment ID (**ENROLLMENT ID**) is the unique number assigned by PECOS to identify provider enrollment applications. This enrollment ID field is used to link between the three data files included in the Provider Enrollment – SNF files. This file contains the NPI associated with the enrollment and the PECOS-assigned identifier, PAC ID (**ASSOCIATE ID**), which is used to identify enrolling providers. This file also includes the enrollment state, type of provider, name, Medicare billing number (**CCN**), and practice location.

SNF_ALL_OWNERS – This file contains a unique listing of the associates with active ownership interest or managing control (or “owners”) in the SNF enrollments from the **SNF_ENROLLMENTS** file. The **ENROLLMENT ID** field can be linked to the **ENROLLMENT ID** field in the **SNF_ENROLLMENTS** file.

SNF_ADDITIONAL_NPIS – This file contains additional NPIs found for the SNF enrollments from the **SNF_ENROLLMENTS** file. The **ENROLLMENT ID** field can be linked to the **ENROLLMENT ID** field in the **SNF_ENROLLMENTS** file.

SNF_OWNER_ADDP_SRVCS – This file contains services provided by ADPs to SNFs. The **ENROLLMENT ID** and **OWNER ASSOCIATE ID** fields can be linked to the **ENROLLMENT ID** and **OWNER ASSOCIATE ID** fields in the **SNF_ALL_OWNERS** file.

SNF_OWNER_ADDP_SUB_ASCTN – This file contains the associations between owners and ADPs of SNFs. The **ENROLLMENT ID** and **OWNER ASSOCIATE ID** can be linked to the **ENROLLMENT ID** and **OWNER ASSOCIATE ID** fields in the **SNF_ALL_OWNERS** file.

3 COMMON DATA OPERATIONS

This section outlines how to use the Provider Enrollment – SNF files to perform common data operations. The data operations described below are meant to be illustrative of how to use and link the files described in Section 2. Section 3.1 explains how to identify all enrollments for a provider based on PECOS Associate Control ID (PAC ID). Section 3.2 provides instructions for identifying an enrollment’s provider type using the `PROVIDER TYPE CODE` and `PROVIDER TYPE TEXT` fields. Section 3.3 provides instructions for identifying ownership information for a provider. Section 3.4 describes how to identify the ownership arrangement for a provider with multiple entities with direct ownership interest. Section 3.5 explains how to identify an owner or managerial control that is associated with multiple organizations. Section 3.6 explains how to identify SNFs with common affiliation and related ownership information. Section 3.7 provides instructions for using the `SNF_ADDITIONAL_NPIS` file. Section 3.8 explains how to identify services provided by ADPs to SNFs. Finally, Section 3.9 explains how to identify relationships between owners and ADPs.

3.1 IDENTIFYING ALL ENROLLMENTS FOR A PROVIDER

The PAC ID (`ASSOCIATE ID`) is used to identify an enrolling provider (i.e., SNF). For most enrollment scenarios, the PAC ID maps closely to an SSN for individual providers and an EIN for organizational providers. A provider may enroll multiple times, under different enrollment scenarios. One common example is when a provider enrolls in multiple states to bill to Medicare in multiple states. For each enrollment, an enrollment ID (`ENROLLMENT ID`) is issued and associated with the PAC ID. Therefore, one PAC ID may be associated with one or more currently active enrollment ID(s) in the `SNF_ENROLLMENTS` file. All enrollments in the `SNF_ENROLLMENTS` file that share a PAC ID are associated with the same provider.

3.2 IDENTIFYING ENROLLMENT PROVIDER TYPE AND SPECIALTY

The `PROVIDER TYPE CODE` and `PROVIDER TYPE TEXT` fields contain information on the type of each provider. The `PROVIDER TYPE CODE` field is structured such that the first two digits encode the type of enrollment submitted when the provider enrolled and the last two digits encode the enrollment specialty (the code pairs are separated by a hyphen). For the Provider Enrollment – SNF files, the enrollment type (first two digits) will always be ‘00’ (`PART A PROVIDER`) and the enrollment specialty will always be ‘18’ (`SKILLED NURSING FACILITY`).

3.3 IDENTIFYING OWNERSHIP INFORMATION FOR A PROVIDER

To identify the associates with ownership interest or managing control in the SNF enrollments from the `SNF_ENROLLMENTS` file, the `ENROLLMENT ID` field can be linked to the `ENROLLMENT ID` field in the `SNF_ALL_OWNERS` file, where the `ASSOCIATE ID – OWNER` field is the unique identifier for the associate with an ownership interest in or managing control of the enrollment, and the `ROLE TEXT – OWNER` field describes this relationship.

Additionally, associates with ownership interest or managing control may take their respective control of the same provider at different times. To identify when each owning or managing entity became associated with the provider, the user can use the `ASSOCIATION DATE – OWNER` field.

3.4 IDENTIFYING OWNERSHIP SHARE ARRANGEMENT

To identify the ownership arrangement for a select enrollment, users can filter the `ROLE CODE - OWNER` field to values '34' (i.e., 5% or Greater Direct Ownership Interest) and '35' (i.e., 5% or Greater Indirect Ownership Interest). Refer to Section 1.3 for definitions of direct and indirect ownership.

For each entity with ownership, the `SNF_ALL_OWNERS` file contains the owner's ownership percentage in the SNF enrollment in the `PERCENTAGE OWNERSHIP` field. In cases where there are multiple entities with direct ownership over the same provider, the sum of the respective entities' `PERCENTAGE OWNERSHIP` field should generally total 100%. When adding up the direct ownership percentage of each `ASSOCIATE ID - OWNER` (i.e., owning entity), users should only retain the `PERCENTAGE OWNERSHIP` of one `ENROLLMENT ID` per `ASSOCIATE ID` (i.e., enrolling provider) to avoid aggregating duplicate information, as each enrollment under the same provider should report the same ownership breakdown.⁶

3.5 IDENTIFYING OWNERS ASSOCIATED WITH MULTIPLE SNFS

To additionally identify the associates with ownership interest or managing control across multiple organizations within the `SNF_ALL_OWNERS` file, the `ASSOCIATE ID - OWNER` field, which contains the unique identifier for the associate with an ownership interest in or managing control of the enrollment, can be used. All enrollments that share `ASSOCIATE ID - OWNER` have that associate in common. However, the association role and date may vary. The resulting file can be aggregated to the entity level by grouping at the `ASSOCIATE ID - OWNER` level to obtain all SNFs the owner is associated with.

3.6 IDENTIFYING SNFS WITH COMMON AFFILIATION AND RELATED OWNERSHIP INFORMATION

To identify SNFs with common affiliation, filter or group by `AFFILIATION ENTITY ID`. In addition, to obtain the ownership, officership, and managerial control information for the affiliated SNFs, `ENROLLMENT ID` of the affiliated SNFs from the `SNF_ENROLLMENTS` file can be linked to the `ENROLLMENT ID` field in the `SNF_ALL_OWNERS` file, where the `ASSOCIATE ID - OWNER` field contains the unique identifier for the associate with an ownership interest in or managing control of the enrollment, and the `ROLE TEXT - OWNER` field describes this relationship. The `ROLE CODE - OWNER` field should be filtered to the values of '34' (5% OR GREATER DIRECT OWNERSHIP INTEREST), '35' (5% OR GREATER INDIRECT OWNERSHIP INTEREST), '40' (OFFICER), and '43' (OPERATIONAL/MANAGERIAL CONTROL).

3.7 IDENTIFYING ADDITIONAL NPIS FOR A PROVIDER

If an enrollment has the `MULTIPLE NPI FLAG` field set to yes ('Y') in the `SNF_ENROLLMENTS` file, then the enrollment can be linked to the `ENROLLMENT ID` field in the `SNF_ADDITIONAL_NPIS` file to retrieve additional NPIs not displayed in the `SNF_ENROLLMENTS` file.

⁶ Please note some caveats with this approach. Providers may submit updated ownership information for each of their Medicare enrollments. MACs process each new ownership change application separately. As a result, while each application is being processed, some enrollments may report more updated ownership information, while other enrollments may not.

3.8 IDENTIFYING SERVICES THAT ADPS PROVIDE TO SNFS

To obtain service code (ADDP SRVCS TYPE CD) and related effective date (EFCTV DT) information for the ADPs, the ENROLLMENT ID and OWNER ASSOCIATE ID fields from the **SNF_ALL_OWNERS** file can be linked to the ENROLLMENT ID and OWNER ASSOCIATE ID fields in the **PEC_SNF_ADDP_SRVCS** file. Additionally, to obtain service descriptions (ADDP_SRVCS_TYPE_DESC) for the related service codes, the ADDP SRVC TYPE CD field from the **PEC_SNF_ADDP_SRVCS** file can be linked to the ADDP SRVC TYPE CD field in the **PEC_ADDP_SRVCS_TYPE_RFRNC** file.

3.9 IDENTIFYING RELATIONSHIPS BETWEEN OWNERS AND ADPS

To obtain sub role code (SUB ROLE CD) information, the ENROLLMENT ID and OWNER ASSOCIATE ID fields from the **SNF_ALL_OWNERS** file can be linked to the ENROLLMENT ID and OWNER ASSOCIATE ID fields in the **PEC_SNF_ADDP_SUB_ASCTN** file. The SUB ROLE CD field should be filtered to the values summarized in Appendix J. Additionally, to obtain sub role descriptions (SUB ROLE DESC) for the related sub role codes, the SUB ROLE CD field from the **PEC_SNF_ADDP_SUB_ASCTN** file can be linked to the ROLE CD in the **PEC_ROLE_RFRNC** file.

To obtain PAC ID (ADDP PECOS ASCT CNTL ID) information for the ADP, the ENROLLMENT ID, OWNER ASSOCIATE ID, PEC ENRLMT ASCTN SK, and SUB ROLE CD fields from the **SNF_ALL_OWNERS** and **PEC_SNF_ADDP_SUB_ASCTN** files can be linked to the ENROLLMENT ID, OWNER ASSOCIATE ID, PEC ENRLMT ASCTN SK, and SUB ROLE CD fields in the **PEC_ADDP_ASCT_RLTNSHP** file. The ADDP PECOS ASCT CNTL ID should be filtered to only non-missing values. To obtain name information (i.e., ADDP SUB FIRST NAME, ADDP SUB LAST NAME, and ADDP SUB ORG NAME), the OWNER ASSOCIATE ID field from the **SNF_ALL_OWNERS** file can be linked to the OWNER ASSOCIATE ID field in the **PEC_ADDP_INDVDL_ORG_NAME** file. To obtain effective date information (EFCTV DT), ENROLLMENT ID and OWNER ASSOCIATE ID fields from the **SNF_ALL_OWNERS** file can be linked to the ENROLLMENT ID and OWNER ASSOCIATE ID fields in the **PEC_ADDP_ASCT_RLTNSHP** file.

4 MERGING TO NON-PECOS DATA

The data in these files can be enhanced by merging them to non-PECOS data. For instance, Medicare Cost Reports⁷ can be linked to these files using the Medicare provider ID (CCN). Cost reports are submitted by SNFs annually and subsequently are made available to the public. They include variables such as total revenue and costs.

CMS' Public Use Files (PUFs) can also be merged into these non-PECOS data for other information, including profit status, quality measures, star-ratings, provider certification, and other provider characteristics.

⁷ <https://www.cms.gov/Research-Statistics-Data-and-Systems/Downloadable-Public-Use-Files/Cost-Reports>, accessed 2026-06-23.
<https://resdac.org/articles/medicare-cost-report-data-structure>, accessed 2026-06-23.

5 DATA LIMITATIONS

Although the Provider Enrollment – SNF files mark an unprecedented release of provider enrollment data, they have a few limitations that are worth noting. These data limitations are detailed below.

5.1 MULTIPLE NPIS PER ENROLLMENT

Organizational providers often have valid enrollment scenarios that would necessitate multiple NPIs per enrollment. For ease of use and to keep the **SNF_ENROLLMENTS** file unique by enrollment ID, the **SNF_ENROLLMENTS** file lists just a single NPI per SNF enrollment. CP575 NPIs are prioritized when available.

The **SNF_ENROLLMENTS** file does include a **MULTIPLE NPI FLAG** to indicate if an enrollment has multiple NPIs, and those additional NPIs can be found in the **SNF_ADDITIONAL_NPIS** file.

5.2 NO HISTORICAL ENROLLMENT INFORMATION

The provider enrollment data included in the Provider Enrollment – SNF files do not contain historical enrollment information. While PECOS contains a complete history of provider enrollment data, the Provider Enrollment – SNF files are restricted to data considered to be current.

5.3 ADDITIONAL ENROLLMENT RESTRICTIONS

In addition to restricting to SNF enrollments that are currently approved to bill in Medicare, if applicable, the files may omit a small number of enrollments with PECOS data quality issues such as missing critical enrollment information.

5.4 AFFILIATED ENTITY LIMITATIONS

Due the complex structure of the nursing home ownership in PECOS, the affiliated entity analysis cannot account for every ownership relationship or scenario that may exist. Additionally, variables identifying groups of nursing homes are entirely sourced through the ownership data available in PECOS based on information submitted by nursing homes. Data that are not included in the PECOS database are not included in this analysis.

Some facilities may have blank fields for **NURSING HOME PROVIDER NAME**, **AFFILIATION ENTITY NAME**, and **AFFILIATION ENTITY ID**. This is due to recent changes to their PECOS enrollment information (e.g., change of ownership). Affiliation data for these facilities were not available at the time of the affiliation analysis and are not included in this file.

5.5 OWNERSHIP SHARE PERCENTAGES NOT ADDING UP AS EXPECTED

The **SNF_ALL_OWNERS** file summarizes the ownership arrangement for each SNF enrollment, identifying each owner's ownership percentage in the enrollment. As mentioned in Section 3.4, in cases where there are multiple entities with direct ownership over the same provider, the sum of the respective entities' ownership should generally total 100%. However, there are cases where the combined ownership percentages may be greater than 100% as a result of data quality issues and anomalies within PECOS data, including for the following two reasons.

First, the data is self-reported by providers and are, therefore, subject to user input error. Second, there could be contrasting ownership shares submitted by owning entities. A new owner may report an updated ownership percentage, reducing the ownership percentages of other active owner(s). The other owner(s) may not report their new ownership percentages, or these percentages may not yet be reflected in PECOS. MACs are tasked with ensuring that the total percentage does not exceed 100%; however, some cases may slip through. Additionally, these issues may appear in the data while the MACs process and review the Medicare enrollment applications.

6 CONTACT INFORMATION

Please contact Provider Enrollment Oversight Group at CMS/CPI at ProviderEnrollmentDataRequests@cms.hhs.gov for questions and suggestions related to these files. For specific questions about the affiliated entity methodology, please contact the CMS Nursing Home Affiliation Inquiries at NH_affiliation_inquiries@cms.hhs.gov.

APPENDIX A – SNF ENROLLMENTS FILE LAYOUT

#	Name	Description	Type	Length
1	ENROLLMENT ID	SNF's enrollment ID. An enrollment ID is a unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information (e.g., enrollment type, enrollment state, provider specialty and reassignment of benefits) is linked through the enrollment ID.	CHAR	15
2	ENROLLMENT STATE	SNF's enrollment state, see State Code Reference Table for description of values.	CHAR	2
3	PROVIDER TYPE CODE	Enrollment application and specialty type code, see Provider Type Code Reference Table for the full list of Part A provider types.	CHAR	5
4	PROVIDER TYPE TEXT	Description for Provider Type Code.	CHAR	200
5	NPI	SNF's National Provider Identifier (NPI). An NPI is a unique 10-digit numeric identifier that all providers must obtain before enrolling in Medicare. It is assigned to healthcare providers upon application through the National Plan and Provider Enumeration System (NPPES).	CHAR	10
6	MULTIPLE NPI FLAG	A flag that indicates whether the SNF has more than 1 NPI (Y/N). If yes, additional NPIs are displayed in the SNF Additional NPIs file.	CHAR	1
7	CCN	SNF's CMS Certification Number (CCN), formerly called an OSCAR Number.	CHAR	15
8	ASSOCIATE ID	SNF's PECOS Associate Control (PAC) ID. A PAC ID is a unique 10-digit numeric identifier that is assigned to each individual or organizational provider in PECOS. All entity-level information (e.g., Tax Identification Numbers and provider names) is linked through the PAC ID. A PAC ID may be associated with multiple enrollment IDs if the provider is enrolled multiple times under different circumstances.	CHAR	10
9	ORGANIZATION NAME	SNF's legal business name.	CHAR	70
10	DOING BUSINESS AS NAME	SNF's doing-business-as name.	CHAR	70
11	INCORPORATION DATE	Date on which the business is incorporated.	NUM	8
12	INCORPORATION STATE	State in which the business is incorporated, see State Code Reference Table for description of values.	CHAR	2
13	ORGANIZATION TYPE STRUCTURE	SNF's organization structure type.	CHAR	60
14	ORGANIZATION OTHER TYPE TEXT	Description of the organization structure if Organization Type Structure is "OTHER".	CHAR	60
15	PROPRIETARY NONPROFIT	"P" if the business is registered as proprietor with the IRS; "N" if registered as nonprofit.	CHAR	1
16	NURSING HOME PROVIDER NAME	Nursing home provider name.	CHAR	52

#	Name	Description	Type	Length
17	AFFILIATION ENTITY NAME	SNF's affiliation entity name.	CHAR	88
18	AFFILIATION ENTITY ID	SNF's affiliation entity ID.	NUM	8
19	ADDRESS LINE 1	Address line 1 of the SNF's practice location address.	CHAR	55
20	ADDRESS LINE 2	Address line 2 of the SNF's practice location address.	CHAR	55
21	CITY	City of the SNF's practice location address.	CHAR	30
22	STATE	State of the SNF's practice location address, see State Code Reference Table for description of values.	CHAR	2
23	ZIP CODE	Zip code of the SNF's practice location address.	CHAR	15

APPENDIX B – SNF ALL OWNERS FILE LAYOUT

#	Name	Description	Type	Length
1	ENROLLMENT ID	SNF's enrollment ID. An enrollment ID is a unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information (e.g., enrollment type, enrollment state, provider specialty and reassignment of benefits) is linked through the enrollment ID.	CHAR	15
2	ASSOCIATE ID	SNF's PECOS Associate Control (PAC) ID. A PAC ID is a unique 10-digit numeric identifier that is assigned to each individual or organizational provider in PECOS. All entity-level information (e.g., Tax Identification Numbers and provider names) is linked through the PAC ID. A PAC ID may be associated with multiple enrollment IDs if the provider is enrolled multiple times under different circumstances.	CHAR	10
3	ORGANIZATION NAME	SNF's legal business name.	CHAR	70
4	ASSOCIATE ID - OWNER	PAC ID of the "owner" – an associate with ownership or managing control interest in the SNF enrollment.	CHAR	10
5	TYPE - OWNER	Type of owner, "I" for individual and "O" for organization.	CHAR	1
6	ROLE CODE - OWNER	Owner's role code, see Owner Role Code Reference Table for the full list of owner roles.	CHAR	2
7	ROLE TEXT - OWNER	Description for Owner Role Code.	CHAR	100
8	ASSOCIATION DATE - OWNER	Date on which the owner became associated with the SNF.	NUM	8
9	FIRST NAME - OWNER	Individual owner's first name.	CHAR	25
10	MIDDLE NAME - OWNER	Individual owner's middle name.	CHAR	25
11	LAST NAME - OWNER	Individual owner's last name.	CHAR	35
12	TITLE - OWNER	Individual owner's title.	CHAR	35
13	ORGANIZATION NAME - OWNER	Organizational owner's legal business name.	CHAR	70
14	DOING BUSINESS AS NAME - OWNER	Organizational owner's doing-business-as name.	CHAR	70
15	ADDRESS LINE 1 - OWNER	Address line 1 of the organizational owner's mailing address or business address.	CHAR	55
16	ADDRESS LINE 2 - OWNER	Address line 2 of the organizational owner's mailing address or business address.	CHAR	55
17	CITY - OWNER	City of the organizational owner's mailing address or business address.	CHAR	30
18	STATE - OWNER	State of the organizational owner's mailing address or business address, see State Code Reference Table for description of values.	CHAR	2
19	ZIP CODE - OWNER	Zip code of the organizational owner's mailing address or business address.	CHAR	15
20	PERCENTAGE OWNERSHIP	Owner's ownership percentage in the SNF enrollment.	NUM	8

#	Name	Description	Type	Length
21	CREATED FOR ACQUISITION - OWNER	A flag that indicates if the organizational owner was solely created to acquire/buy the SNF and/or the SNF's assets (Y/N; blank if not reported).	CHAR	1
22	CORPORATION - OWNER	A flag that indicates if the owner's organization type is corporation (Y/N; blank if not reported).	CHAR	1
23	LLC - OWNER	A flag that indicates if the owner's organization type is limited liability company (Y/N; blank if not reported).	CHAR	1
24	MEDICAL PROVIDER SUPPLIER - OWNER	A flag that indicates if the owner's organization type is medical provider/supplier (Y/N; blank if not reported).	CHAR	1
25	MANAGEMENT SERVICES COMPANY - OWNER	A flag that indicates if the owner's organization type is management services company (Y/N; blank if not reported).	CHAR	1
26	MEDICAL STAFFING COMPANY - OWNER	A flag that indicates if the owner's organization type is medical staffing company (Y/N; blank if not reported).	CHAR	1
27	HOLDING COMPANY - OWNER	A flag that indicates if the owner's organization type is holding company (Y/N; blank if not reported).	CHAR	1
28	INVESTMENT FIRM - OWNER	A flag that indicates if the owner's organization type is investment firm (Y/N; blank if not reported).	CHAR	1
29	FINANCIAL INSTITUTION - OWNER	A flag that indicates if the owner's organization type is bank or other financial institution (Y/N; blank if not reported).	CHAR	1
30	CONSULTING FIRM - OWNER	A flag that indicates if the owner's organization type is consulting firm (Y/N; blank if not reported).	CHAR	1
31	FOR PROFIT - OWNER	A flag that indicates if the owner's organization type is for profit (Y/N; blank if not reported).	CHAR	1
32	NON PROFIT - OWNER	A flag that indicates if the owner's organization type is nonprofit (Y/N; blank if not reported).	CHAR	1
33	PRIVATE EQUITY COMPANY - OWNER	A flag that indicates if the owner's organization type is private equity company (Y/N; blank if not reported).	CHAR	1
34	REIT - OWNER	A flag that indicates if the owner's organization type is real estate investment trust (REIT) (Y/N; blank if not reported).	CHAR	1
35	CHAIN HOME OFFICE - OWNER	A flag that indicates if the owner's organization type is chain home office (Y/N; blank if not reported).	CHAR	1
36	TRUST OR TRUSTEE - OWNER	A flag that indicates if the owner's organization type is trust or trustee (Y/N; blank if not reported).	CHAR	1
37	OTHER TYPE - OWNER	A flag that indicates if the owner's organization type is not listed on the CMS form (Y/N; blank if not reported).	CHAR	1
38	OTHER TYPE TEXT - OWNER	Other type of owner's organization that is not listed on the CMS form.	CHAR	40
39	PARENT COMPANY - OWNER	A flag that indicates if the owner's organization is the ultimate parent company in a multi-organizational group of entities (Y/N; blank if not reported).	CHAR	1
40	OWNED BY ANOTHER ORG OR IND - OWNER	A flag that indicates if the owner's organization itself is owned by any other organization or individual (Y/N; blank if not reported).	CHAR	1

APPENDIX C – SNF ADP SERVICES FILE LAYOUT

#	Name	Description	Type	Length
1	ENROLLMENT ID	SNF's enrollment ID. An enrollment ID is a unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information (e.g., enrollment type, enrollment state, provider specialty and reassignment of benefits) is linked through the enrollment ID.	CHAR	15
2	ASSOCIATE ID - OWNER	PAC ID of the "owner" – an associate with ownership or managing control interest in the SNF enrollment.	CHAR	10
3	ORGANIZATION NAME - OWNER	Organizational owner's legal business name.	CHAR	70
4	FIRST NAME - OWNER	Individual owner's first name.	CHAR	25
5	LAST NAME - OWNER	Individual owner's last name.	CHAR	35
6	ADDP SRVCS TYPE CD	ADP service type code indicating the type of services provided by the party to the SNF. See ADP Service Type Code Reference Table for the full list of ADP service types.	CHAR	2
7	ADDP SRVCS TYPE DESC	Description for ADP service type code. This captures the "type of control (operational, managerial, financial)" or "type of service provided."	CHAR	100
8	EFCTV DT	Date on which the ADP started providing service(s) to the SNF or any part of the SNF.	NUM	8

APPENDIX D – SNF ADP ASSOCIATIONS FILE LAYOUT

#	Name	Description	Type	Length
1	ENROLLMENT ID	SNF's enrollment ID. An enrollment ID is a unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information (e.g., enrollment type, enrollment state, provider specialty and reassignment of benefits) is linked through the enrollment ID.	CHAR	15
2	ASSOCIATE ID - OWNER	PAC ID of the "owner" – an associate with ownership or managing control interest in the SNF enrollment.	CHAR	10
3	ORGANIZATION NAME - OWNER	Organizational owner's legal business name.	CHAR	70
4	FIRST NAME - OWNER	Individual owner's first name.	CHAR	25
5	LAST NAME - OWNER	Individual owner's last name.	CHAR	35
6	SUB ROLE CODE	Role code indicating the owner's relationship to an ADP of the SNF. See Sub Role Code Reference Table for the full list of sub role codes.	CHAR	2
7	SUB ROLE DESC	Description for sub role code.	CHAR	200
8	ADDP PECOS ASCT CNTL ID	PAC ID of the ADP – an organization/individual that exercises operational, financial, or managerial control over the facility, provides certain services, or leases/subleases/owns property associated with the facility.	CHAR	10
9	ADDP SUB FIRST NAME	Individual ADP's first name.	CHAR	25
10	ADDP SUB LAST NAME	Individual ADP's last name.	CHAR	35
11	ADDP SUB ORG NAME	Organizational ADP's legal business name.	CHAR	70
12	EFCTV DT	Date on which the association became effective between the Owner and the ADP.	NUM	8

APPENDIX E – SNF ADDITIONAL NPIS FILE LAYOUT

#	Name	Description	Type	Length
1	ENROLLMENT ID	SNF's enrollment ID. An enrollment ID is a unique 15-digit alphanumeric identifier that is assigned to each new provider enrollment application. All enrollment-level information (e.g., enrollment type, enrollment state, provider specialty and reassignment of benefits) is linked through the enrollment ID.	CHAR	15
2	NPI	SNF's National Provider Identifier (NPI). An NPI is a unique 10-digit numeric identifier that all providers must obtain before enrolling in Medicare. It is assigned to healthcare providers upon application through the National Plan and Provider Enumeration System (NPPES).	CHAR	10

APPENDIX F – STATE CODE REFERENCE

Value	Description
AK	Alaska
AL	Alabama
AR	Arkansas
AS	American Samoa
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
GA	Georgia
GU	Guam
HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts
MD	Maryland
ME	Maine
MI	Michigan
MN	Minnesota
MO	Missouri
MP	Mariana Islands, Northern
MS	Mississippi
MT	Montana
NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania

Value	Description
PR	Puerto Rico
PW	Palau
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UT	Utah
VA	Virginia
VI	Virgin Islands
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming

APPENDIX G – PROVIDER TYPE CODE REFERENCE

Value	Description
00-00	PART A PROVIDER - RELIGIOUS NON-MEDICAL HEALTH CARE INSTITUTION (RNHCI)
00-01	PART A PROVIDER - COMMUNITY MENTAL HEALTH CENTER
00-02	PART A PROVIDER - COMPREHENSIVE OUTPATIENT REHABILITATION FACILITY
00-03	PART A PROVIDER - END-STAGE RENAL DISEASE FACILITY (ESRD)
00-04	PART A PROVIDER - FEDERALLY QUALIFIED HEALTH CENTER (FQHC)
00-05	PART A PROVIDER - HISTOCOMPATIBILITY LABORATORY
00-06	PART A PROVIDER - HOME HEALTH AGENCY
00-08	PART A PROVIDER - HOSPICE
00-09	PART A PROVIDER - HOSPITAL
00-10	PART A PROVIDER - INDIAN HEALTH SERVICES FACILITY
00-13	PART A PROVIDER - ORGAN PROCUREMENT ORGANIZATION (OPO)
00-14	PART A PROVIDER - OUTPATIENT PHYSICAL THERAPY/OCCUPATIONAL THERAPY/SPEECH PATHOLOGY SERVICES
00-17	PART A PROVIDER - RURAL HEALTH CLINIC
00-18	PART A PROVIDER - SKILLED NURSING FACILITY
00-19	PART A PROVIDER - OTHER
00-24	PART A PROVIDER - RURAL EMERGENCY HOSPITAL
00-34	PART A PROVIDER - OPIOID TREATMENT PROGRAM
00-85	PART A PROVIDER - CRITICAL ACCESS HOSPITAL

APPENDIX H – OWNER ROLE CODE REFERENCE

Value	Description
01	5% OR MORE OWNERSHIP INTEREST
03	PARTNER
25	CONTRACTED MANAGING EMPLOYEE
34	5% OR GREATER DIRECT OWNERSHIP INTEREST
35	5% OR GREATER INDIRECT OWNERSHIP INTEREST
36	5% OR GREATER MORTGAGE INTEREST
37	5% OR GREATER SECURITY INTEREST
38	GENERAL PARTNERSHIP INTEREST
39	LIMITED PARTNERSHIP INTEREST
40	OFFICER
41	DIRECTOR
42	W-2 MANAGING EMPLOYEE
43	OPERATIONAL/MANAGERIAL CONTROL
44	OTHER
63	MANAGING CONTROL – GOVERNING BODY
71	TRUSTEE OF THE SNF
72	ADP OF THE SNF
85	DIRECT OWNERSHIP INTEREST
86	INDIRECT OWNERSHIP INTEREST

APPENDIX I – ADP SERVICE TYPE CODE REFERENCE

Code	Description
01	OPERATIONAL
02	MANAGERIAL
03	FINANCIAL
04	POLICIES OR PROCEDURES FOR ANY OF THE SNF'S OPERATIONS
05	FINANCIAL SERVICES
06	CASH MANAGEMENT SERVICES
07	MANAGEMENT SERVICES
08	ADMINISTRATIVE SERVICES
09	CLINICAL CONSULTING SERVICES
10	ACCOUNTING SERVICES

APPENDIX J – SUB ROLE CODE REFERENCE

Code	Description
75	LLC MANAGER
76	5% OR GREATER DIRECT OWNER OF ANY ADP OF THE SNF
77	5% OR GREATER INDIRECT OWNER OF ANY ADP OF THE SNF
78	GENERAL PARTNERSHIP INTEREST IN ANY ADP OF THE SNF
79	LIMITED PARTNERSHIP INTEREST IN ANY ADP OF THE SNF
80	TRUSTEE OF ANY ADP OF THE SNF
81	CORPORATE OFFICER IN ANY ADP OF THE SNF
82	CORPORATE DIRECTOR IN ANY ADP OF THE SNF
87	DIRECT OWNER OF ANY ADP OF THE SNF
88	INDIRECT OWNER OF ANY ADP OF THE SNF

APPENDIX K – REVISION HISTORY

Revision	Date	Name	Description of Modification
1	2022-09-21	CPI-PEOG	Baseline document.
2	2023-02-01	CPI-PEOG	Minor formatting and typo fixes.
3	2023-06-16	CPI-PEOG	Added provider type code reference for a new provider specialty, rural emergency hospital, in Appendix E.
4	2024-10-30	CPI-PEOG	Added four new SNF owner's organization types (Appendix B) and 12 new owner role codes (Appendix F).
5	2024-11-07	CPI-PEOG	Added flags for whether a SNF's owner itself is owned by another organization/individual and whether the owner is a parent company (Appendix B).
6	2024-11-13	CPI-PEOG	Updated the set of roles in Appendix F.
7	2024-12-05	CPI-PEOG	Added new supplementary files to cover data related to ADP services and ADP-OWNER relationships (Appendices C and D) and references for new role codes in supplementary files (Appendices I and J).
8	2026-07-17	CPI-PEOG	Added new sections on identifying ownership arrangements for enrollments with multiple owners (Section 3.4) and the limitations of doing so (Section 5.5), as well as made minor formatting fixes.