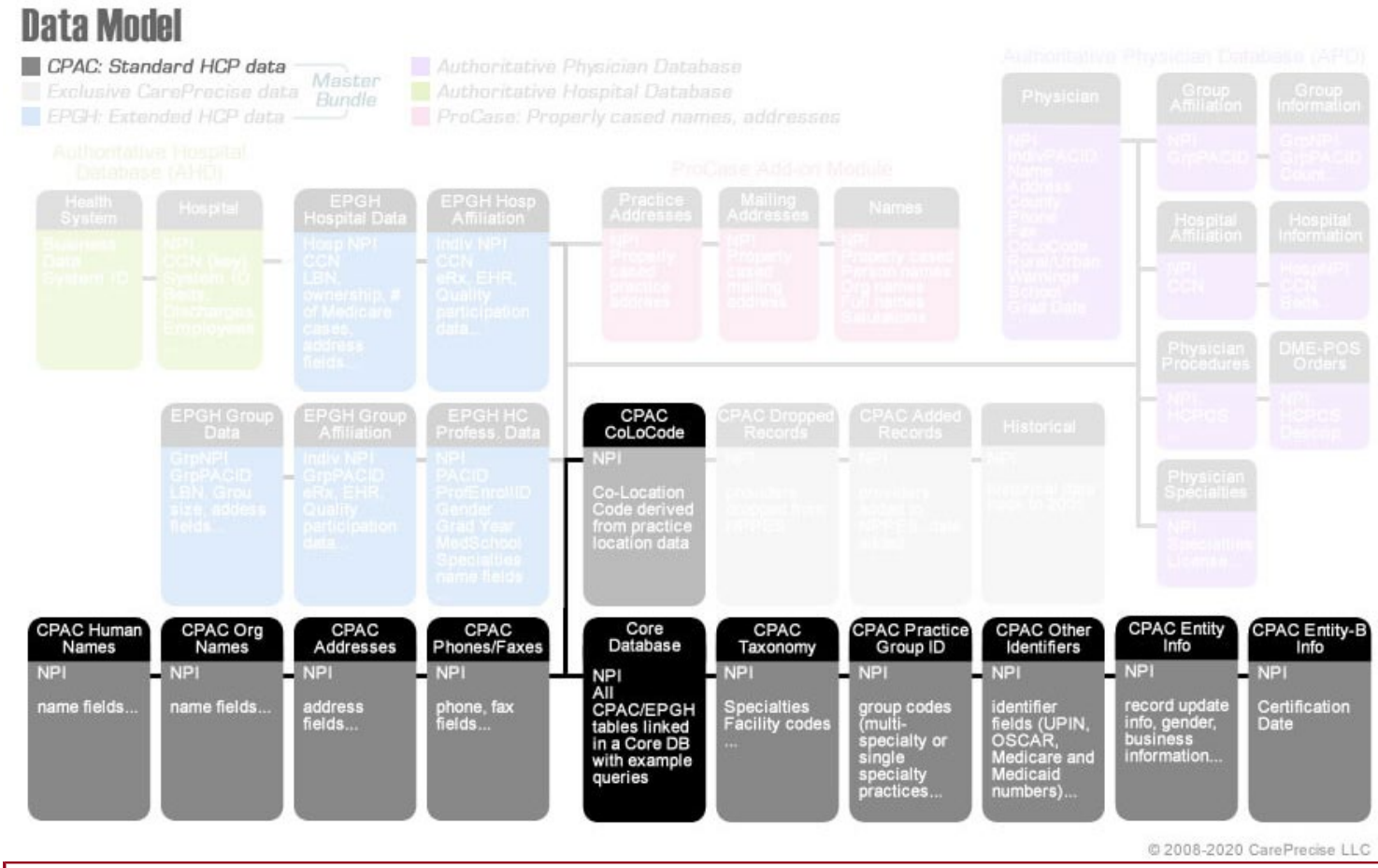
CarePrecise Data Structure in CarePrecise Select and State Databases



Tables and Fields

Table	Field Name	Description	Additional Information
Provider information in the CarePrecise Complete dataset (CPAC) shown here is sourced and merged from numerous U.S. federal databases, including the NPPES, PECOS and LEIE data, is keyed on the NPI number. Every record has a unique NPI, and the NPI is used to link the relational tables together. The full dataset is updated monthly.			
CPAC	**tAddresses** (Provider addresses; MDB and pacSV formats)	**NPI**	National Provider Identifier (unique National Provider Identifier assigned to healthcare providers by the US Department of Health and Human Services)	**Relational Key** The NPI is a unique 10-digit numerical code assigned to every HIPAA-covered healthcare provider, including individuals and organizations, by the U.S. Department of Human Services, Centers for Medicare and Medicaid Services (CMS).
		Mail1stAddr	Provider First Line Business Mailing Address	
		Mail2ndAddr	Provider Second Line Business Mailing Address	
		MailCity	Provider Business Mailing Address City Name	
		MailState	Provider Business Mailing Address State Code	
		MailZip	Provider Business Mailing Address Postal Code (most are 9-digit Zip Codes)	
		MailCountry	Provider Business Mailing Address Country Code (If outside U.S.)	
		Prac1stAddr	Provider First Line Business Practice Location Address	
		Prac2ndAddr	Provider Second Line Business Practice Location Address	
		PracCity	Provider Business Practice Location Address City Name	
		PracState	Provider Business Practice Location Address State Code	

		PracZip	Provider Business Practice Location Address Postal Code (most are 9-digit Zip Codes)	
		PracCountry	Provider Business Practice Location Address Country Code (If outside U.S.)	
CPAC	**tEntity** (Provider entity and record information; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		EntityType	Entity Type Code	Type 1 indicates an individual provider (i.e., physician, psychologist, etc.); Type 2 indicates an organizational provider (i.e., hospital, lab, pharmacy, etc.). Type1 entities (individuals) may have only one NPI number and so only one record, but Type 2 entities (organizations) may have multiple NPI numbers and thus multiple records. *Click here to download the Exclusion Type Code description document...*
		ReplacementNPI	Replacement NPI	Not currently populated
		EIN	Employer Identification Number (EIN)	Not currently populated. CMS is not yet providing tax numbers of this type.
		EnumDate	Provider Enumeration Date	Date the record was first added to the NPI registry
		UpdateDate	Last Update Date	Date this provider NPI record was last updated
		DeactReason	NPI Deactivation Reason Code	Not populated because records in the current dataset are not deactivated. Not currently disclosed by CMS.
		DeactDate	NPI Deactivation Date	Not populated because records in this table are not deactivated. This field IS populated in the separate delta table tEntity_DEACT, described below.
		ReactDate	NPI Reactivation Date	Date record was reactivated following a deactivation.
		Gender	Provider Gender Code	M or F for Type 1 providers
		IsSoleProp	Is Sole Proprietor	Y = provider operates as a sole proprietor. No = not a sole proprietorship. X = question not answered by provider.
		IsOrgSubpart	Is Organization Subpart	For Type 2 providers, may be one of several organizational units, each with its own NPI number. Y = provider is a subpart. No = not a subpart. X = question not answered.
		ParentOrgTIN	Parent Organization TIN	Not currently populated. CMS is not currently providing tax numbers at this time.
		InPECOS	From monthly CMS PECOS distributions of PECOS-enrolled providers. Source: PECOS Ordering and Referring Report file distribution.	Y = Physicians and non-physician practitioners who are of a type/specialty that is legally eligible to order and refer in the Medicare program and who have current enrollment records in Medicare (i.e., they have enrollment records in PECOS)
		Warning	From the Office of Inspector General's excluded providers database (LEIE), indicatying a sanction prevents the provider from billing Medicare. A warning in this field should not be taken as definitive; the user should check the tExcluded table and consider other sources of provider fraud and exclusion information. Up until the May 2017 release, this field was algorithmically derived for some records.*	Y= elements in the providers record indicated a match with a listing in the federal excluded providers database (see the table tExcluded below)
		ExclType	The exclusion type from the LEIE database, explaining the reason that a provider was barred from billing Medicare. Fields with a Y in the Warning field will display this code.	The code's definition can be found at this link. A CSV file listing these exclusion descriptions is included in the CarePrecise Access Complete CSV download file.
		ExclDate	The date of the exclusion from the LEIE database, where reported.	
		UPIN	UPIN is a deprecated identifier, no longer used. CMS has stopped disseminating this data. The field remains here for purposes of backward-compatibility.	

		Group	From NPPES group taxonomy data	Y= this provider reported that it operates as either a multi-specialty group or single-specialty group.
		County	Name of county primarily associated with the practice Zip Code	
		Zip5	First five digits of practice address Zip Code	
CPAC	**tEntity-B** (Provider entity and record information; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		CertDate	Date of certification of provider's NPI number	New field added with December 9, 2019 data release, refers to the date the NPI record was officially certified.
		EstPracYears	Estimated years provider has been in practice	Algorithmically derived* from EPGH tExtendedPhysician.GradYear and/or CPAC tEntity.EnumDate 2009 forward.
		Placekey	Deprecated field	As announced in the December 2025 and January 2025 releases, this is a deprecated field. It will remain in the file to maintain compatibility. The CarePrecise CoLoCode provides the same functionality in matching records, and is less prone to compatibility issues.
CPAC	**tEntity-C** (Market data; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		CountyFIPS		Practice county FIPS code
		StateFIPS		Practice state FIPS code
		TimeZone		Practice time zone
		DLSTime		Observes daylight saving time; Y= Yes
		MSA		Metropolitan Statistical Area of practice location
		PMSA		Primary Metropolitan Statistical Area of practice location
		Population		Practice Zip Code population
CPAC	**tHumanNames** (Provider person names or contact person names; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		LN	Provider Last Name (Legal Name)	The enumerated individual provider's name (for Entity Type 1 records)
		FN	Provider First Name	
		MN	Provider Middle Name	
		PN	Provider Name Prefix Text	
		SN	Provider Name Suffix Text	
		Cred	Provider Credential Text	
		OthLN	Provider Other Last Name	Other name Type Codes:
		OthFN	Provider Other First Name	
		OthMN	Provider Other Middle Name	
		OthPN	Provider Other Name Prefix Text	
		OthSN	Provider Other Name Suffix Text	
		OthCred	Provider Other Credential Text	
		OthLNType	Provider Other Last Name Type Code	
		AuthLN	Authorized Official Last Name (Contact person for a Type 2 organization record)	Name of the provider's authorizing official, if other than the listed individual provider. For organizations (Entity Type 2 records), this is the contact name.
		AuthFN	Authorized Official First Name	
		AuthMN	Authorized Official Middle Name	
		AuthTitle	Authorized Official Title or Position	
		AuthPN	Authorized Official Name Prefix Text	
		AuthSN	Authorized Official Name Suffix Text	
		AuthCred	Authorized Official Credential Text	
CPAC	**tOID** (Other identifiers, such as UPIN, OSCAR, PIN, Medicaid, etc., excluding NPI and taxonomy codes; MDB and CSV formats) One-to-many table.	**NPI**	National Provider Identifier	**Relational Key**
		OtherID	Other Provider Identifier	Identifier relevant to external data
		OtherIDType	Other Provider Identifier Type Code	
		OtherIDState	Other Provider Identifier State	In the case of a state license code, this is the licensing state

Other name Type Codes:

Code	Description	EntityType
1	Former Name	1
2	Professional Name	1
5	Other	1, 2

Description	OtherIDType
Other	01
Medicaid	05

		OtherIDIssuer	Other Provider Identifier Issuer	
		OIDnum	Source: Added by CarePrecise to indicate the original NPPES flat file Other Identifiers field number.	The number of the NPPES Other Identifier field (1 through 50)
CPAC	**tOrgNames** (Provider organization names for Type 2 providers; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		OrgName_LBN	Provider Organization Name (Legal Business Name)	LBN (for Entity Type 2 records)
		OthOrgName	Provider Other Organization Name	Other
		OthOrgNameType	Provider Other Organization Name Type Code	Code: 3, Description: DBA, EntityType: 2 Code: 4, Description: Former LBN, EntityType: 2 Code: 5, Description: Other, EntityType: 1, 2
		ParentOrgLBN	Parent Organization LBN	
CPAC	**tPhoneFax** (Provider phone and fax numbers; fax numbers for approx. 65% of records; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
		MailPhone	Provider Business Mailing Address Telephone Number	
		MailFax	Provider Business Mailing Address Fax Number	
		PracPhone	Provider Business Practice Location Address Telephone Number	
		PracFax	Provider Business Practice Location Address Fax Number	
		AuthPhone	Authorized Official Telephone Number	
CPAC	**tTaxo** (Provider Taxonomy codes indicating specialties and subspecialties for Type 1/individual providers, and facility types for Type 2/organization providers; MDB and CSV formats). One-to-many table.	**NPI**	National Provider Identifier	**Relational Key**
		Taxo	Healthcare Provider Taxonomy Code (Specialties and Facilty Types)	Providers may have multiple taxonomies reported here, and thus multiple records in this one-to-many table. The Taxonomy Code indicates the provider's specialty; i.e., Pediatrician, Optometrist, etc.; or facility type; i.e., Hospital, Clinic, Nursing Facility, etc.
		Lic	Provider License Number	For Type 2 (organization) providers, License is no longer collected as of 9/10/2018.
		LicState	Provider License Number State Code	For Type 2 (organization) providers, License is no longer collected as of 9/10/2018.
		TaxoSwitch	Healthcare Provider Primary Taxonomy Switch (Primary specialty indicator)	"Y" means this is the provider's primary specialty or facility code.
		Tnum	Source: Added by CarePrecise to indicate the original NPPES flat file Taxonomy Code (specialty) field number.	The number of the NPPES taxonomy field (1 through 15). If a primary taxonomy is not indicated, it may be useful to assume that the first-listed code (1) is primary.
		TaxoDescr		Taxonomy code description (the specialty/subspecialty in English)
CPAC	**tTaxoGroups** (Provider Taxonomy codes indicating group practices; MDB and CSV formats). One-to-many table.	**NPI**	National Provider Identifier	**Relational Key**
		Gnum	The source data (NPPES) permits group codes to be reported in up to 15 fields in this section. CarePrecise creates a one-to-many table, listing each of a provider's reported taxonomy group codes in a separate record. The Gnum is the NPPES Group Taxonomy field number in which the code was reported, allowing the code be matched with the specific group specialty in the tTaxo table. For instance, a code in tTaxoGroup field Gnum 3 indicates a group practice of the specialty reported in Tnum 3 in the tTaxo table.	CMS does not report the group codes in the taxonomy section (which appear in our tTaxo table) because they represent an additional layer of information on any one or more of the tTaxo codes.
		TaxoGroup	Healthcare Provider Taxonomy Group_[1 through 15]	193200000X for a multi-specialty practice 193400000X for a single-specialty practice
CPAC	**tCoLoCode** (MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key (composite)**
		CoLoCode™	Provider CoLoCode™ (co-location code, a CarePrecise algorithmically derived* exclusive). The NPI and CoLoCode comprise the dual relational key for this table. The NPI identifies the provider record, and the CoLoCode identifies the physical location. The CoLoCode is an up to 40-character string that stands in for detailed location data, and is not intended to be sensical to the human viewer.	**Relational Key (composite)** This code is an algorithmically derived conformation of the provider's practice location, permitting identification of providers who practice at the same location, for instance, physician groups, dental groups, radiology groups, etc. By using this table in conjunction with the tTaxoGroups table, it is possible to visualize the group entity (generally an organization) and its provider members. CoLoCodes are created for

			Practice addresses in the United States (US) and US Minor Islands (UM).
		Count	Count of providers matching this co-location (algorithmically derived* conformation of the provider's practice location; see tCoLoCodes above). Indicates the number of providers practicing at this location.
		Group	Y= This NPI/CoLoCode record is a group entity.	Same as the Group field in the tEntity table. It means that the NPI has a record in the tTaxoGroup table.
		CountType1	Number of individual practitioners found co-located with this group	To see the number of Type 2 providers (organizations), subtract CountType1 from Count.

Printer-friendly version of the fields listing.

* Marked above by an asterisk, algorithmically derived data in the datasets includes data that is extracted/mined from the source databases, but which has a margin of error and should not be relied upon as conclusive. Record linking algorithms are used to enrich our data when direct correlation (via a unique identifier field) is not available, using available information in name, address, phone, taxonomy, and other fields. In particular, some of the older data on providers excluded from billing Medicare (from the HHS Office of Inspector General's excluded providers database) can only be linked to NPI records by this means. Please note that when matches are found, there may be instances where an individual or firm has the same or similar name and location information as an excluded provider but is actually a different party. Therefore, it is important that you verify a potential match with the debarring agency identified in the record information. See the disclaimer appearing at the bottom of the documentation page.

Not all fields in all records are populated with data. Healthcare providers may update data in their record using the federal NPI registry website, and are required to do so within 30 days of a change in their information.

CarePrecise LLC reserves the right to make changes in the data and data structure as it deems necessary to preserve the quality of the product. Please read the Notice at the bottom of the page https://www.careprecise.com/help/ for additional information about the data.