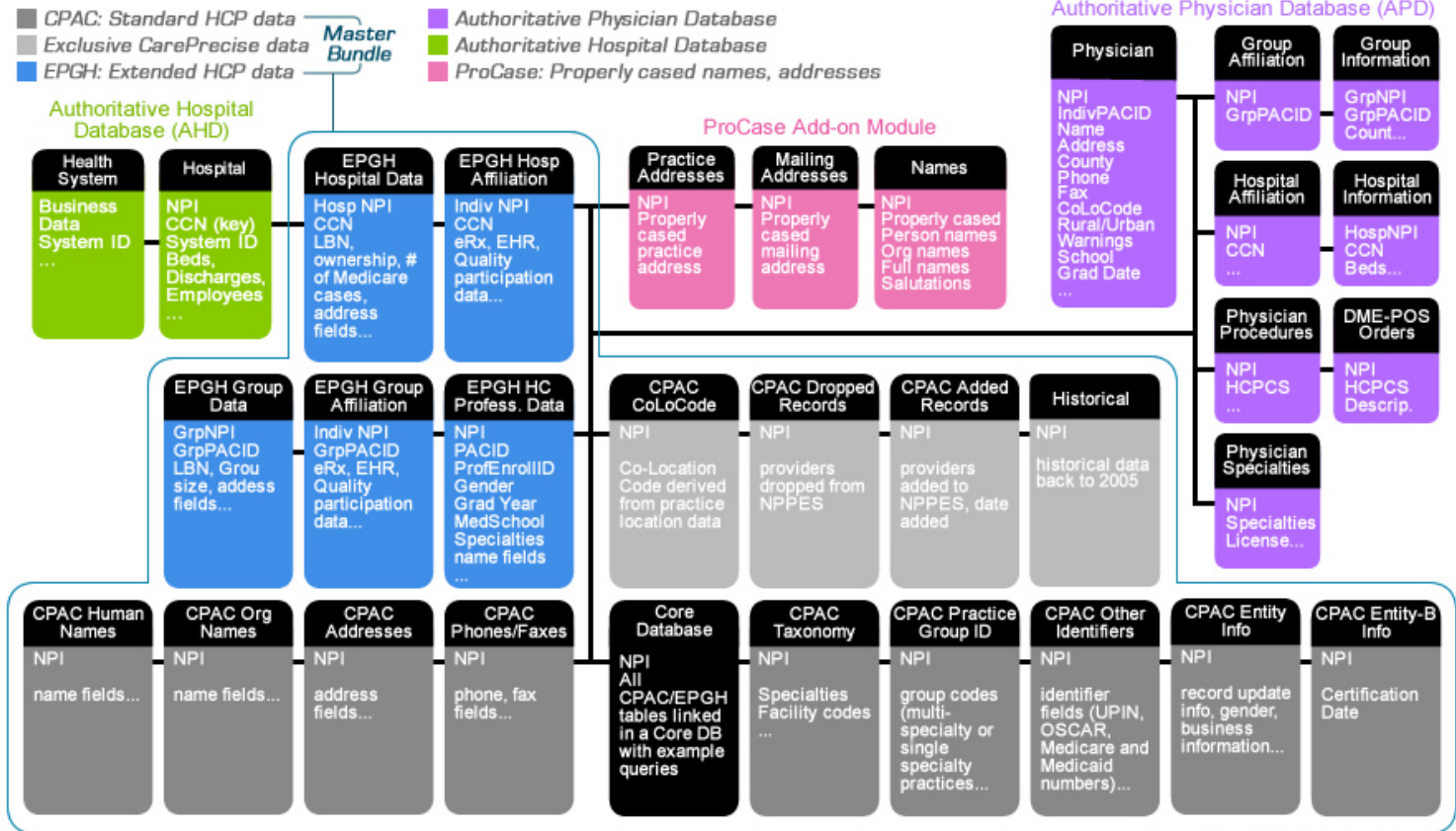


# CarePrecise Database Documentation

## Data Model



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## CarePrecise Data Tables and Fields

- CPAC CarePrecise Access Complete basic provider data
- EPGH Extended Professional/Group/Hospital in Master Bundle & Platinum
- ProCase Properly-cased name & address data
- APD Authoritative Physician Database
- AHD Authoritative Hospital Database
- CPLM Additional fields included in Gold & Platinum CP ListMaker

File Set	Table	Field Name	Description	Additional Information
CPAC	tAddresses	NPI	National Provider Identifier (unique National Provider Identifier assigned to healthcare providers by the US Department of Health and Human Services)	<b>Relational Key</b> 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.)		
<b>CPAC</b>	<b>tOtherPracticeLocations</b>	<b>NPI</b>	National Provider Identifier <b>Relational Key (composite)</b>	
	Additional (secondary) practice locations for Type 2 providers; MDB and CSV formats One-to-many table.  Table is not provided in custom data pulls (CarePrecise Select services).	<b>SecondaryPracAddr1</b>	First line of street address <b>Relational Key (composite)</b>	
		SecondaryPracAddr2	Second line of street address	
		SecondaryPracCity	City Name	
		SecondaryPracState	State Code	
		SecondaryPracZip	Postal Code (most are 9-digit Zip Codes)	
		SecondaryPracCountry	Country Code (If outside U.S.)	
		SecondaryPracPhone	Location Phone Number	
		SecondaryPracPhoneExt	Location Phone Extension	
		SecondaryPracFax	Location Fax Number	
SecondaryLocationDate	Location Date			
<b>CPAC</b>	<b>tEntity</b>	<b>NPI</b>	National Provider Identifier <b>Relational Key</b>	
	(Provider entity and record information; MDB and CSV formats)	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. <i>Click here to download the Exclusion Type Code description document...</i>	
		ReplacementNPI	Replacement NPI	Not currently populated
		EIN	Employer Identification Number (EIN)	Not currently populated. CMS is not currently providing tax numbers.
		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.
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), indicating 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 <a href="#">this link</a> . 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													
		CountyFIPS	Practice county FIPS code													
		StateFIPS	Practice state FIPS code													
		TimeZone	Practice time zone													
		DLSTime	Daylight saving time; Y= Yes													
		MSA	Metropolitan Statistical Area of practice location 5-digit format for the MSA, also known as the CBSA. The field name will remain MSA.													
		PMSA	Primary Metropolitan Statistical Area of practice location													
		Population	Zip Code population													
		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 <b>Relational Key</b>													
		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.													
CPAC	tHumanNames (Provider person names or contact person names; MDB and CSV formats)	NPI	National Provider Identifier <b>Relational Key</b>													
		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: <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>EntityType</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Former Name</td> <td>1</td> </tr> <tr> <td>2</td> <td>Professional Name</td> <td>1</td> </tr> <tr> <td>5</td> <td>Other</td> <td>1, 2</td> </tr> </tbody> </table>	Code	Description	EntityType	1	Former Name	1	2	Professional Name	1	5	Other	1, 2
		Code	Description		EntityType											
		1	Former Name		1											
		2	Professional Name		1											
		5	Other		1, 2											
		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				
<b>CPAC</b>	<b>tOID</b> (Other identifiers, such as UPIN, OSCAR, PIN, Medicaid, etc., excluding NPI and taxonomy codes; MDB and CSV formats) One-to-many table.	<b>NPI</b>	National Provider Identifier		<b>Relational Key</b>		
		OtherID	Other Provider Identifier		Identifier relevant to external data		
		OtherIDType	Other Provider Identifier Type Code	<b>Description</b>	<b>OtherIDType</b>		
				Other	01		
				Medicaid	05		
		OtherIDState	Other Provider Identifier State	In the case of a state license code, this is the licensing state			
		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)			
<b>CPAC</b>	<b>tOrgNames</b> (Provider organization names for Type 2 providers; MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>			
		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	<b>Code</b>	<b>Description</b>	<b>EntityType</b>	
				3	DBA	2	
				4	Former LBN	2	
		5	Other	1, 2			
<b>CPAC</b>	<b>tOtherOrgNames</b> Alternative org names beyond those listed in tOrgNames; MDB and CSV formats. One-to-many table.  Table is not provided in custom data pulls (CarePrecise Select services).	<b>NPI</b>	National Provider Identifier	<b>Relational Key (composite)</b>			
		<b>OtherOrgName</b>	Other Organization Aame	<b>Relational Key (composite)</b>			
		<b>OtherOrgNameType</b>	Other Organization Name Type	<b>Relational Key (composite)</b>	<b>Code</b>	<b>Description</b>	<b>EntityType</b>
				3	DBA	2	
				4	Former LBN	2	
		5	Other	1, 2			
<b>CPAC</b>	<b>tPhoneFax</b> (Provider phone and fax numbers; fax numbers for approx. 65% of records; MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>			
		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	
<b>CPAC</b>	<b>tTaxo</b>	<b>NPI</b>	<b>National Provider Identifier</b> <b>Relational Key</b>
	(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.	Taxo	Healthcare Provider Taxonomy Code (Specialties and Facility 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)
<b>CPAC</b>	<b>tTaxoGroups</b>	<b>NPI</b>	<b>National Provider Identifier</b> <b>Relational Key</b>
	(Provider Taxonomy codes indicating group practices; MDB and CSV formats). One-to-many table.	Gnum	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. 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.

		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	<b>Relational Key (composite)</b>
		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.	<b>Relational Key (composite)</b>  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.	
CPAC	tAdded (CPAC records only)  (MDB and CSV formats) Table is not provided in custom data pulls (CarePrecise Select services)	NPI	National Provider Identifier	<b>Relational Key (composite)</b>
		DateDiscovered		<b>Relational Key (composite)</b>  The CarePrecise processing date on which the added provider record was discovered. Corresponds to the most recent previous CMS update date on which the added provider data was included in the NPPES database. Unduplicative index key is dual; NPI and DateDiscovered.
CPAC	tDropped (CPAC records only) Table is not provided in custom data pulls (CarePrecise Select services)  (MDB and CSV formats)	NPI	National Provider Identifier	<b>Relational Key (composite)</b>
		DateDiscovered		<b>Relational Key (composite)</b>  The CarePrecise processing date on which it was discovered that the provider record was dropped from the NPPES database. Corresponds to the

most recent previous CMS update date on which the provider data was dropped from the NPPES database. Unduplicative index key is dual; NPI and DateDiscovered.

EntityType	Entity Type Code	Type 1 is individual providers (i.e., physicians, psychologists, etc.); Type 2 is organizational providers (i.e., hospitals, labs, etc.)
ProvName		This is a generated field based on EntityType.
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 Name	The federal data contains variations on state codes, abbreviations and full state names; we conform this field to standard 2-character state codes. A small number of non-US postal addresses remain nonconforming.
PracZip	Provider Business Practice Location Address Postal Code	
PracCountry	Provider Business Practice Location Address Country Code (If outside U.S.)	
PracPhone	Provider Business Practice Location Address Telephone Number	
EnumDate	Provider Enumeration Date	
UpdateDate	Last Update Date	Date this provider NPI record was last updated

<b>CPAC</b>	<b>tExcluded</b> (MDB and CSV formats) Table is not provided in custom data pulls (CarePrecise Select services)	LN	Last name (Type 1 providers)	This table, sourced from the LEIE, lists all provider records in the federal excluded providers database. A provider may be excluded (barred from billing Medicare) for reasons of a criminal nature, among other reasons. This table contains no relational key; however, it is used to produce the Warning field in the tEntity table, which does include the provider's NPI. This table should be referenced for backup information.
		FN	First name (Type 1 providers)	
		MN	Middle Name (Type 1 providers)	
		OrgName	Organization name (Type 2 providers)	
		Addr	Street address	
		City	City	
		State	State	
		Zip	Zip Code	
		DOB	Date of Birth. Not currently populated. CMS is not	



			currently providing tax numbers.
	General		Provider category
	Specialty		Provider specialty
	UPIN		Federal physician identifier code (legacy)
	ExclType		Exclusion type (why provider was excluded)
	ExclDesc		Exclusion Description
	ExclDate		Date provider was excluded (YYYYMMDD)

<b>CPAC</b> <b>tDeact</b> (MDB and CSV formats; CPAC records only) Table is not provided in custom data pulls (CarePrecise Select services)	<b>NPI</b>	National Provider Identifier	<b>Relational Key (composite)</b> This data is provided by CMS, listing all NPI records that have been deactivated and the deactivation date. Unduplicative index key is dual; NPI and DeactDate. Please note that a record may be added to the Deactivated tables, but then later be reactivated. Also note that Type 2 records (organizations) may have multiple records; some may be deactivated while others are active. When a record is reactivated it will appear in the tAdded table.	
		<b>DeactDate</b>	Date CMS deactivated the provider's NPI record	<b>Relational Key (composite)</b>
		DeactFound	Date deactivation was processed by CarePrecise	
		DeactReason	Reason for deactivation.	Not currently populated. Not disclosed by CMS.

<b>CPAC</b> <b>Delta tables in NPPES_Delta.mdb</b> (MDB format; CPAC records only) Table is not provided in custom data pulls (CarePrecise Select services)	tAddresses_DEACT tEntity_DEACT tHumanNames_DEACT tOID_DEACT tOrgNames_DEACT tPhoneFax_DEACT tTaxo_DEACT tTaxoGroups_DEACT tCoLoCode_DEACT	The Delta tables are contained in a separate database included in the CarePrecise Access Complete dataset, named NPPES_Delta. They contain near-complete data on those providers whose records have been deactivated by CMS for various reasons, including retirement, death, or for any of several infractions. These tables contain the same fields as the standard provider data tables as defined above for their namesakes, and are populated with the data from previous data releases, with the deactivation date populated in the tEntity_DEACT table's DeactDate field. Please note that a record may be added to the Deactivated tables, but then later be reactivated. Also note that Type 2 records (organizations) may have multiple records; some may be deactivated while others are active. When a record is reactivated it will appear in the tAdded table.
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Additional Data Included with **Extended Professional, Group and Hospital (EPGH)/CPAC Master Bundle** and **CarePrecise Platinum**. Data is sourced from PECOS, and Medicare claims data, and is updated monthly. Provider records are a subset of the CPAC records, with approximately 600,000 physician records and 500,000 other providers. The EPGH is not sold separately, and is available only as a bundle.

<b>EPGH</b> <b>tExtended_Professional</b> (The EPGH is available optionally as a bundle with CarePrecise Access Complete (CPAC) that provides additional information on healthcare professionals (particularly physicians), practice groups and hospitals, and reveals the affiliation links between all three.	<b>NPI</b>	National Provider Identifier of Individual Professional	<b>Relational Key (composite and to CPAC)</b> Link to professional's data in the CPAC databases above. This ID is unique per professional (physician, PA, etc.).
	<b>PACID</b>	Individual's unique PAC ID	<b>Relational Key (composite)</b>

**MDB and CSV formats.)**

Only active providers (defined as having appeared on a Medicare claim in the past twelve months) are included in the EPGH dataset (unlike the CPAC dataset, which includes *all* US HIPAA-covered providers). EPGH data is available for approximately 615,000 physicians, and 300,000 other professionals, and is growing. The hospital data in EPGH provides an unduplicated listing of hospitals and their highest priority NPI number, and is linked to each hospital's affiliated professionals/physicians and practice groups. EPGH practice group data makes it possible to see the multiple locations at which an individual provider practices.

(Practice Access Code). Unique individual professional ID assigned by Medicare PECOS system

Link to practice group affiliations through the tExtended\_GroupProfessional table, and is a link to upcoming practice group quality data.

<b>ProfEnrollID</b>	Professional Enrollment ID	<b>Relational Key (composite)</b> Unique ID for the individual professional enrollment that is the source for the data in the record. One professional may have multiple records in this table as a result of multiple PECOS enrollments, each of which may have its own hospital and practice group affiliations.		
LN	Last Name	In most cases the name fields here will be duplicative of the fields in tHumanNames, but these are sourced from the PECOS system rather than the NPPES.		
FN	First Name			
MN	Middle Name			
Suffix	Name Suffix (Jr, III, etc.)			
Gender	M (male) or F (female)			
Cred	Credential	Medical credential such as MD, DO, DPM, etc.		
School	Professional's medical school			
GradYear	Professional's medical school graduation year			
PriSpec	Primary medical specialty reported by the individual professional in this PECOS enrollment record			
AllSecSpec	All four secondary specialties reported by the individual professional in this PECOS enrollment record, separated by commas			
<b>EPGH</b>	<b>tExtended_Group</b> (Extended Practice Group information; MDB and CSV formats)	<b>GroupPracPACID</b>	Unique Group Practice PAC ID (Practice Access Code) assigned by PECOS to the Group Practice	<b>Relational Key</b> Links Group and Individual records within Extended tables. This ID is unique to each practice group.  This key will link to group practice quality data soon to be released.
		<b>NPI</b>	National Provider Identifier of the Practice Group	<b>Relational Key (to CPAC)</b> Links practice groups in Extended tables to CPAC data above. <b>Algorithmically derived * ; not available for all group records.</b>  Use the GroupPracPACID to link individuals with their groups through the tExtended_GroupProfessional table.
		OrgLBN	Legal name of the Group Practice	
		CountGroupPracMem	Number of Individual	This count is limited to individuals

		Professionals affiliated with Group Practice	within the Extended domain; others may be found within the standard CPAC tables via CoLoCode.	
	StreetAddr1	Group Practice line 1 address		
	StreetAddr2	Group Practice line 2 address		
	Line2Suppress	Marker that address as reported may be incomplete	A peculiarity of the federal source data.	
	City	Group Practice city		
	State	Group Practice state		
	Zip	Group Practice zip code (9 digits when available)		
	CoLoCode	Derived algorithmically * based on location data	May be used to identify additional affiliated individuals within the NPPES data above. See description of CoLoCode in the CPAC table tCoLoCode above.	
EPGH	<b>tExtended_GroupProfessional</b>  (Many-to-Many table linking group practices with individual professionals. One or more individuals per group, and may be one or more groups per individual. Extended information on group practices' individual providers, incl. whether accepts Medicare assignment, participates in various federal medical quality programs. MDB and CSV formats). Many-to-many table.	<b>NPI</b>	National Provider Identifier of the Individual Professional.	<b>Relational Key (composite and to CPAC)</b>  Link to individual's data in CPAC tables above and in tExtended_Professional table. This ID is unique to the individual professional.
		<b>GroupPracPACID</b>	Unique Group Practice PAC ID (Practice Access Code) assigned by PECOS to the Group Practice that the individual professional works with.	<b>Relational Key (composite)</b>  Link between practice groups and their members in the tExtended_Professional table. This ID is unique to the practice group.
		AcceptsMedicareAsmt	Y = Accepts Medicare approved amount as payment in full. M = May accept Medicare Assignment.	All providers in this table are enrolled to bill Medicare, and have done so within the past 9 months, but may not still be accepting new Medicare patients, and may not accept Medicare amount as payment in full.
		eRx	Participates in the eRx Incentive Program, a pay-for-reporting program to encourage physicians, other providers to use electronic prescribing of medications.	
		PQRS	Participates in the Medicare Physician Quality Reporting System (PQRS) Incentive Program - a pay-for-reporting program that gives eligible professionals incentives and payment adjustments if they report quality measures satisfactorily.	Quality data on individual professionals is not yet available in this product, but using the relational keys in this table, you will be able to access it when it is released.
		EHR	Participates in the Medicare Electronic Health Record (EHR) Incentive Program -	Y in this field means provider is participating in federal EHR incentive program, though may use an EHR system even if not affirmative in this

		provides incentives and payment adjustments to eligible professionals who use certified EHR technology in ways that may improve healthcare.	field.	
EPGH	<b>tExtended_Hospital</b> (Extended information on all U.S. acute care, VA and children's hospitals. Data provides a single unique NPI number per hospital facilitating deduplication of hospital record. MDB and CSV formats)	<b>CCN</b>	Medicare Hospital Provider Number (CMS Certification Number assigned by CMS)	<b>Relational Key</b> Link between hospitals and their affiliated individual physicians, etc. This ID is unique to each hospital recognized in the CMS PECOS system. If a hospital is eligible to bill Medicare (whether or not sanctioned), and is a general hospital (Acute Care, VA, Critical Access or Children's hospital), it is in this table.  This key links to the exhaustive federal hospital quality data, optionally available for download at no cost to EPGH users.
		<b>NPI</b>	Priority National Provider Identifier.	<b>Relational Key (to CPAC)</b> Link to one of the hospital's records in CPAC tables above. Hospitals may have as many NPI numbers as they believe they need for their particular business circumstances, and tend to have many. We have listed here the Priority NPI, based on the hierarchical Taxonomy coding system, selecting first the NPI of the record containing the top (parent) taxonomy code for the hospital type, and, if not present, the NPI from the first-listed record for the hospital. <b>Algorithmically derived * ; not available for all hospital records.</b>
		<b>HospitalName</b>	Hospital name as reported by the hospital in its NPPES record	From the PECOS database
		<b>HospitalLBN</b>	Hospital legal business name as listed in hospital quality data	From the Hospital Compare database
		<b>Address1</b>	Hospital line 1 address	
		<b>Address2</b>	Hospital line 2 address	
		<b>City</b>	Hospital City	
		<b>State</b>	Hospital State	
		<b>Zip Code</b>	Hospital Zip Code	
		<b>County</b>	Hospital County	
		<b>Phone</b>	Phone	
		<b>HospitalType</b>	Hospital Type, as recorded in hospital quality data	
		<b>HospitalOwnership</b>	Hospital ownership structure	
	<b>EmergencyService</b>	Y= Hospital has emergency service		
	<b>CoLoCode</b>	Derived algorithmically * based on location data	May be used to identify additional data within NPPES tables above. See description of CoLoCode in the CPAC table tCoLoCode above.	

<b>EPGH</b>	<b>tExtended_HospAff</b> (1-to-Many table linking Hospitals with physicians and other providers; up to five hospitals per individual; MDB and CSV formats.) Many-to-many table.	<b>HospAffCCN</b>	Medicare CCN (CMS Certification Number assigned by CMS) of hospital where individual professional provides service	<b>Relational Key (composite)</b> Link to hospital details in tExtended_Hospital via CCN, and to the CarePrecise Authoritative Hospital Database (APD)
		<b>NPI</b>	Unique professional ID assigned by NPPES to Individual Professional affiliated with hospital	<b>Relational Key (composite)</b> Link to Individual Professionals affiliated with hospital
		HospAffLBN	Legal business name of hospital where individual professional provides service	From the Hospital Compare database

The **ProCase™ module** contains the Name and Address data in the CPAC package in properly-cased form. It is available as an add-on to the standard data package (CPAC), extended data package (Master Bundle), Gold or Platinum packages. ProCase is also available as a stand-alone product.

<b>ProCase</b>	<b>tProCase_Names</b> (Properly cased names from CPAC tHumanNames and tOrgNames tables.)	<b>NPI</b>	National Provider Identifier	<b>Relational Key (to CPAC)</b> Link to data in the CPAC and EPGH databases above.
		CompanyName	Name of organization	
		PN	Provider Name Prefix Text	
		FN	Provider First Name Text	
		MN	Provider Middle Name Text	
		LN	Provider Last Name Text	
		SN	Provider Suffix Name Text	
		Cred	Provider Credential Text	
		AttnName	Provider or Organization contact person's full name; i.e., "Dr. Robert J. Jones, Jr., MD, PhD"	Useful for professional communications
		Salutation	AI-generated salutation (the greeting on a letter; i.e., Dear "Mrs. Smith" or "Ms. Doe" or "Dr. Jones"	Useful for professional communications
		Title	Provider Title Text	
		EntityType	1 = individual, 2 = organization	
	<b>ProCase</b>	<b>tProCase_Addresses_Mail</b> (Properly cased Mailing Addresses from CPAC tAddresses table.)	<b>NPI</b>	National Provider Identifier
		Addr1	Mailing address line 1	
		Addr2	Mailing address line 2	
		City	Mailing address city	
		State	Mailing address state	
		Zip	Mailing address Zip Code	
		Country	Mailing address country	
<b>ProCase</b>		<b>tProCase_Addresses_Prac</b> (Properly cased Practice Addresses from CPAC tAddresses table.)	<b>NPI</b>	National Provider Identifier
		Addr1	Practice address line 1	
		Addr2	Practice address line 2	
		City	Practice address city	
		State	Practice address state	
		Zip	Practice address Zip Code	

Country Practice address country

The **Authoritative Physician Database™ (APD)** contains detailed data on all HIPAA-covered US physicians, including practice group and hospital affiliations, medical procedure volumes, etc. The **Authoritative Physician Database** is available separately, but can be linked to EPGH, CPAC, and Authoritative Hospital Database data keying on the NPI, PACID, and CCN fields. Note that neither CarePrecise Platinum, CarePrecise Gold, or the Master Bundle include the APD.

APD	APD_Physician	NPI	National Provider Identifier assigned by the federal government to every HIPAA-covered healthcare provider. All physicians are required to have one, and only one, Type 1 NPI number.	Relational Key
	All U.S. HIPAA-covered physicians.			
		PhysPACID	Unique Physician ID assigned by PECOS	Relational Key (to EPGH)
		LN	Last name	
		FN	First name	
		MN	Middle name	
		PN	Name Prefix (Dr, Ms, etc.)	
		SN	Name Suffix (Jr, II, etc.)	
		Cred	Credential(s)	
		Prac1stAddr	Practice address line 1	
		Prac2ndAddr	Practice address line 2	
		PracCity	Practice address city	
		PracState	Practice address state	
		PracZip	Practice address Zip Code	
		County	Practice address county	
		CoLoCode	Practice co-location code; may be used to link providers practicing at the same location; derived algorithmically based on co-location data	
		Rural/Urban/Sub	R = Rural, U = Urban, S = Suburban/other	
		PhysicianPracPhone	Physician's Practice phone number	
		PhysicianFax	Fax number	
		EnumDate	Date provider registered with the federal NPI database	
		UpdateDate	Date provider most recently updated their NPI record	
		Gender	Provider's gender	
		IsSoleProp	Y = sole proprietor business type	
		IndepProfile	Y = physician's profile indicates independent practice or group of 3 or fewer	
		InPECOS	Y = enrolled to bill Medicare (may order and refer)	
		Warning	Y = physician is barred from billing Medicare due to an infraction	
		ExclType	Code of the infraction (see the ExclCode table for definitions)	
		PriSpec	Primary medical specialty from NPI Type 1 record	

		(NOTE: All specialties are listed in APD_Specialty)	
		School	Physician's medical school
		GradYear	Physician's medical school graduation year
		EstPracYears	Estimated number of years in practice; used to estimate physician's age Based on medical school graduation year or date of NPI enumeration.
<b>APD</b>	<b>APD_Physician_Type2</b> All U.S. HIPAA-covered physicians.	<b>NPI</b>	<b>Relational Key</b> National Provider Identifier (Type 2) assigned by the federal government to a physician's business entity. Every physician is required to have one and only one Type 1 (individual) NPI registration, but may have additional Type 2 (organization) NPI registrations.
		OrgName_LBN	Legal Business Name of physician's business entity
		LN	Last name of authorized official for physician business entity
		FN	First name of authorized official for physician business entity
		MN	Middle name of authorized official for physician business entity
		PN	Name Prefix (Dr, Ms, etc.) of authorized official for physician business entity
		SN	Name Suffix (Jr, II, etc.) of authorized official for physician business entity
		Cred	Credential(s) of authorized official for physician business entity
		Title	Title of authorized official for physician business entity
		Prac1stAddr	Practice address line 1
		Prac2ndAddr	Practice address line 2
		PracCity	Practice address city
		PracState	Practice address state
		PracZip	Practice address Zip Code
		County	Practice address county
		CoLoCode	Business entity's co-location code, derived algorithmically based on co-location data
		Rural/Urban/Sub	R = Rural, U = Urban, S = Suburban/other
		PhysicianPracPhone	Business entity phone number
		PhysicianFax	Business entity fax number
		EnumDate	Date provider registered this Type 2 NPI enumeration with the federal NPI database

	UpdateDate	Date provider most recently updated this Type 2 NPI record	
	IsSoleProp	Y = sole proprietor business type	
	InPECOS	Y = enrolled to bill Medicare (may order and refer)	
	Warning	Y = physician is barred from billing Medicare due to an infraction	
	ExclType	Code of the infraction (see the ExclCode table for definitions)	
	PriSpec	Primary medical specialty from business entity's NPI Type 1 record (NOTE: All specialties are listed in APD_Specialty)	
<b>APD</b> <b>APD_Specialty</b> All physicians' specialties. May be up to 15 per physician.	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>
	ReportedOrder	Number of taxonomy field in which reported (1 - 15), same as Tnum field in CPAC.tTaxo	
	Taxonomy	Taxonomy code	
	License	License number	
	LicenseState	Licensing state	
	IsPrimary	Y = primary taxonomy code (primary specialty)	
	Specialty	Taxonomy description, i.e., specialty	
<b>APD</b> <b>APD_Group</b> Physicians' affiliated practice groups. May be up to five per physician. Ongoing extraction from Medicare claims data.  NOTE: Medical procedure performed per group can be viewed as a summary of procedures performed by each group's affiliated physicians. See example query in AuthoritativeHospDB.mdb.	<b>PACID</b>	Unique Group Practice ID assigned by PECOS to the Group Practice that the individual professional works with	<b>Relational Key (composite)</b>
	NPI	Group National Provider Identifier; derived algorithmically from NPI registry data; groups may have additional NPI numbers	Relational Key
	OrgLBN	Legal name of the Group Practice	
	CountGroupPracMem	Total number of individual professionals affiliated with the Group Practice based on Group Practice PAC ID	
	StreetAddr1	Group Practice line 1 address	
	StreetAddr2	Group Practice line 2 address	
	City	Group Practice city	
	State	Group Practice state	
	Zip	Group Practice zip code (9 digits when available)	
	County	Group Practice County	
	Rural/Urban/Sub	R = Rural, U = Urban, S = Suburban/other	
	CoLoCode	Group co-location code; may be used to link providers practicing at the	



		same location; derived algorithmically based on co-location data	
	GroupPhone	Phone Number	
	GroupFax	Fax Number	
	AuthPN	Contact name prefix	
	AuthFN	Contact first name	
	AuthMN	Contact middle name	
	AuthLN	Contact last name	
	AuthSN	Contact name suffix	
	AuthCred	Contact credential	
	AuthTitle	Contact title	
<b>APD</b>	<b>APD_GroupAff</b> Linking table connects physicians with practice group affiliations. Collected from Medicare claims data during a moving window of twelve months prior to release date.	<b>NPI</b>	Unique physician ID assigned by NPPES <b>Relational Key (composite)</b>
		<b>PACID</b>	Unique Group Practice ID assigned by PECOS to the Group Practice that the individual professional works with <b>Relational Key (composite)</b>
		AcceptsMedicareAsmt	Y = Professional accepts Medicare approved amount as payment in full at this group location. M = Professional may accept Medicare Assignment.
<b>APD</b>	<b>APD_Hospital</b> Physician's affiliated hospitals. May be up to five per physician. Ongoing extraction from Medicare claims data.	<b>CCN</b>	CMS Certification Number <b>Relational Key</b>
		NPI	Priority National Provider Identifier of hospital; derived as best NPI based on taxonomy hierarchy; hospitals may have additional NPI numbers <b>Relational Key (to CPAC)</b>
		HospitalName	Hospital name as reported by the hospital in its NPPES record
		HospitalLBN	Hospital legal business name as listed in the hospital quality data
		Address1	Hospital line 1 address
		Address2	Hospital line 2 address
		City	Hospital City
		State	Hospital State
		ZIP Code	Hospital Zip Code
		County	Hospital County
		Rural/Urban/Sub	R = Rural, U = Urban, S = Suburban/other
		HospitalPhone	Hospital Phone
		HospitalFax	Hospital Fax Number
		HospitalType	Hospital Type, as recorded in hospital quality data
		HospitalOwnership	Hospital ownership structure
		EmergencyService	Y= Hospital has emergency service
		<b>CoLoCode</b>	Hospital co-location code; may be used to link providers practicing at the same location; derived algorithmically based on co-location data

		AuthPN	Contact name prefix	
		AuthFN	Contact first name	
		AuthMN	Contact middle name	
		AuthLN	Contact last name	
		AuthSN	Contact name suffix	
		AuthCred	Contact credential	
		AuthTitle	Contact Official title	
<b>APD</b>	<b>APD_HospitalAff</b> Linking table connects physicians with their hospital affiliations. Collected from Medicare claims data during a moving window of twelve months prior to data release date.	<b>CCN</b>	CCN of hospital where individual professional provides service	<b>Relational Key (composite)</b>
		<b>NPI</b>	Unique physician ID assigned by NPPES	<b>Relational Key (composite)</b>
<b>APD</b>	<b>APD_PhysicianProcedure</b> Physician procedure volumes, listing top five procedures performed by physician, and counts of services and patients served, from CMS-collected HCPCS reporting.	<b>NPI</b>	National Provider Identifier of clinician	<b>Relational Key (composite)</b>
		<b>HCPCS_Code</b>	Healthcare Common Procedure Coding System (HCPCS) procedural code billed by the clinician; "NR" indicates that no procedure data has been reported for this physician. Top five HCPCS procedures performed by physician are listed.	<b>Relational Key (composite)</b> to Physician Procedure table
		ServiceCount	Frequency of individual clinician's performance of the associated HCPCS code within the calendar year	
		BeneficiaryCount	The number of patients that received the procedure identified by the HCPCS code	
		MeasureYear	The most recent year of procedure data reported by CMS	
<b>APD</b>	<b>APD_ProcedureDescriptions</b> Physician procedure volumes. Ongoing extraction from CMS-collected HCPCS reporting. Abbreviated descriptions.	<b>HCPCS_Code</b>	Healthcare Common Procedure Coding System (HCPCS) procedural code billed by the clinician	<b>Relational Key</b> to Physician Procedure table
		ProcedureDescription	Lay-friendly description of procedure associated with HCPCS code (abbreviated)	
<b>APD</b>	<b>Lookup_ExclusionDescriptions</b> Describes the exclusion code for sanctions indicated in the APD_Physician table. Exclusion from billing Medicare or other federal programs due to a sanction of other infraction. Sourced from Centers for Medicare and Medicaid Services Office of Inspector General.	<b>ExclType</b>	Exclusion type code	<b>Relational Key</b> to ExclType in Physician table
		ExclDescr	Description of exclusions imposed by the OIG expanded from Medicare and State health care programs to all Federal health care programs, federal code 1128B(f)(1).	
<b>APD</b>	<b>tAPD_PhysicianDMEPOS</b> DME and POS (durable medical equipment, prosthetics; and orthotics and supplies) orders submitted by physician	<b>NPI</b>	National Provider Identifier of clinician	<b>Relational Key (composite)</b>
		<b>HCPCS_Code</b>	Healthcare Common Procedure Coding System (HCPCS) DEMPOS order code billed by the clinician	<b>Relational Key (composite)</b>
		<b>Rental</b>	Indicates if the DMEPOS item is a rental. Orders	<b>Relational Key (composite)</b>

		may be for purchase, for rental, or both (which will be shown as two separate records)
	Suppliers	Number of suppliers who provided the item
	Beneficiaries	Number of patients who received the item identified by the HCPCS code
	Claims	Number of claims submitted for the item
	Services	Total number of orders
	AvgSubmittedCharge	Average of charges submitted for this item
	AvgMedicareAllowAmount	Average of Medicare allowed amounts for orders of this item
	AvgMedicarePaymentAmount	Average of Medicare's payments for this item
	AvgMedicareStandardAmount	Average of Medicare's "standard" payment amount
	MeasureYear	Year for which data is reported

<b>APD</b> <b>tAPD_PhysicianDMEPOS</b> Physician DMEPOS order volumes. Ongoing extraction from CMS-collected HCPCS reporting. Abbreviated descriptions.	<b>HCPCS_Code</b>	Healthcare Common Procedure Coding System (HCPCS) DEMPOS order code billed by the clinician	<b>Relational Key</b> to Physician DMEPOS table
	DMEPOS_Description	Lay-friendly description of DMEPOS order associated with HCPS code (abbreviated)	

The **Authoritative Hospital Database™ (AHD)** contains detailed data on US hospitals, including bed counts, procedure volumes, medicare billings, patient satisfaction rankings, etc. The **Authoritative Hospital Database** is available separately, but can be linked to EPGH, CPAC, and Authoritative Physician Database data keying on the NPI, PACID and CCN fields. Note that neither CarePrecise Platinum, CarePrecise Gold, or the Master Bundle include the AHD.

<b>AHD</b> <b>tAnalysis_Hospital</b> Data related to a particular hospital.	<b>CCN</b>	Unique federal hospital identifier	<b>Relational Key (to EPGH)</b> Link to data in the EPGH databases above.
	NPI	National Provider Identifier	Relational Key (to CPAC) Link to data in the CPAC and EPGH databases above. <b>Algorithmically derived * ; not available for all AHD records.</b> The contact name fields in the AHD are then populated from the matched NPI record.
	HospitalName	Hospital's name	
	Address1	Hospital's address, line 1	
	Address2	Hospital's address, line 2	
	City	Hospital's city	
	State	Hospital's state	
	ZipCode	Hospital's Zip Code	
	County	Hospital's county	
	Phone	Hospital's phone	
	Fax	Hospital's fax	
	Beds	Number of beds	
	BedDaysAvail	Number of bed days available	
	InternsAndResidents	Number of interns and residents	

PayrollEmployees	Number of employees on payroll
NonPaidWorkers	Number of non-paid workers
TotalDischarges	Number of discharges/year
MedicareDischarges	Number of Medicare discharges/year
MedicaidDischarges	Number of Medicaid discharges/year
Vol_Gastrointestinal	Procedure volume: Gastrointestinal
Vol_Eye	Procedure volume: Eye
Vol_Nervous_system	Procedure volume: Nervous system
Vol_Musculoskeletal	Procedure volume: Musculoskeletal
Vol_Skin	Procedure volume: Skin
Vol_Genitourinary	Procedure volume: Genitourinary
Vol_Cardiovascular	Procedure volume: Cardiovascular
PN	Contact name prefix
FN	Contact first name
MN	Contact middle name
LN	Contact last name
SN	Contact name suffix
Title	Contact title
Cred	Contact credentials
HospitalType	Type of hospital (general acute, children's, etc.)
HospitalOwnership	Type of hospital ownership
ParentOrgLBN	Name of parent system
EmergencyService	Does have emergency service?
CoLoCode	Algorithmically derived * from location data. Used to match records.
Bathroom cleanliness	Patient satisfaction 1-5 stars
Communication from Nurses	Patient satisfaction 1-5 stars
Communication from Doctors	Patient satisfaction 1-5 stars
Patient received help quickly on request	Patient satisfaction 1-5 stars
Quality of pain control	Patient satisfaction 1-5 stars
Medications were explained before giving	Patient satisfaction 1-5 stars
Patient received instruction on at-home recovery	Patient satisfaction 1-5 stars
Patient understood care when leaving hospital	Patient satisfaction 1-5 stars
Patient's overall hospital rating	Patient satisfaction 1-5 stars
Area around room was quiet at night	Patient satisfaction 1-5 stars
Patient would recommend hospital	Patient satisfaction 1-5 stars

	Hospital summary star rating	Patient satisfaction 1-5 stars
	HlthSysID	Unique ID representing the parent system
	HlthSysName	Name of the health system parent to which the hospital belongs
	MSA/CBSA	MSA/CBSA of hospital location
	Population	Population of hospital's location zip code
	Rural/Urban	Hospital is located in a Zip Code considered rural (R) or urban (U)

<b>AHD</b>	<b>tAnalysis_System</b>	<b>HlthSysID</b>	Unique ID representing the parent system	<b>Relational Key</b> to hospital record in tAnalysis_Hospital
		HlthSysName	Name of the health system parent to which the hospital belongs	
		HlthSysCity	City of parent system	
		HlthSysState	State of parent system	
		HlthSysPhys	Total number of health system primary care physicians	
		HlthSysPCPhys	Number of health system primary care physicians	
		HlthSysResidents	Number of Residents across health system	
		HlthSysGroups	Number of practice groups in the health system	
		HlthSysHospitals	Number of hospitals in the health system	
		HlthSysAcuteCare	Number of acute care hospitals in the health system	
		HlthSysBeds	Number of beds across health system	
		HlthSysStates	Number of states in which health system operates	
		HlthSysDischarges	Number of discharges across health system	
		HlthSysHighUCCB	True = Health System has a high uncompensated care burden	
		HlthSysInvestorOwned	True = Health System is predominantly investor-owned	

Additional data included in the **CP ListMaker** software component of **CarePrecise Gold**, and **CarePrecise Platinum**, sourced from USPS and U.S. Department of Commerce, and independent CarePrecise research. Data is periodically updated. These data are available only as part of the CP ListMaker and CarePrecise Gold/Platinum products, and are not sold separately. Note that only the tZips data, and not the the CP ListMaker application itself, is included in special licensing for Derivative Products or Redistribution; however, the CP ListMaker application is open source and may be used as a model for redistributed products.

<b>CPLM</b>	<b>tZips</b>	ZipCode	5-digit Zip Code	<b>Relational Key (to CPAC.tEntity.Zip5)</b>	
	Economic and social segmentation data for providers' service areas	Wealth	Numerical indicator of the relative wealth/poverty of the provider's immediate service area (5-digit zip). Wealth/poverty level is show as a percentage of the Federal Poverty Level (FPL) for the particular geographic area. Currently	<b>Description</b>	<b>Wealth Level</b>
				=<50% FPL	1
				50% to 100% FPL	2
				100% to 150% FPL	3
				150% to 200% FPL	4
				200% to 300% FPL	5

		up to 12 levels are present in the data; additional levels will be included when data for those more extreme wealth levels are present.	300% to 500% FPL	6
			500% to 700% FPL	7
			700% to 1000% FPL	8
			1000% to 1500% FPL	9
			1500% to 2000% FPL	10
			2000% to 3000% FPL	11
			Greater than 3000% FPL	12
	RuralUrban	Indicates Rural (R), Urban (U) or Other (O) status for the provider's immediate service area (zip). Other indicates suburban or small city status.		
	City	City associated with Zip Code		
	County	County primarily associated with Zip Code		
	State	State associated with Zip Code		
	Latitude	Geographic latitude to 5-digit zip accuracy (center of Zip)		
	Longitude	Geographic longitude to 5-digit zip accuracy (center of Zip)		
<b>CPLM</b>	<b>Additional Gold data tables:</b>	Additional data tables included in CarePrecise Gold are used by the included <b>SharpMail™</b> tool to produce correctly-cased names and addresses and correctly-genderized and -prefixed salutations.		
	<ul style="list-style-type: none"> <li>- Names</li> <li>- Names_Company</li> <li>- Names_Cred</li> <li>- Names_Genderize</li> <li>- Names_Prefices</li> <li>- Names_Suffices</li> <li>- StateNameVariants</li> </ul>			

\* 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.

