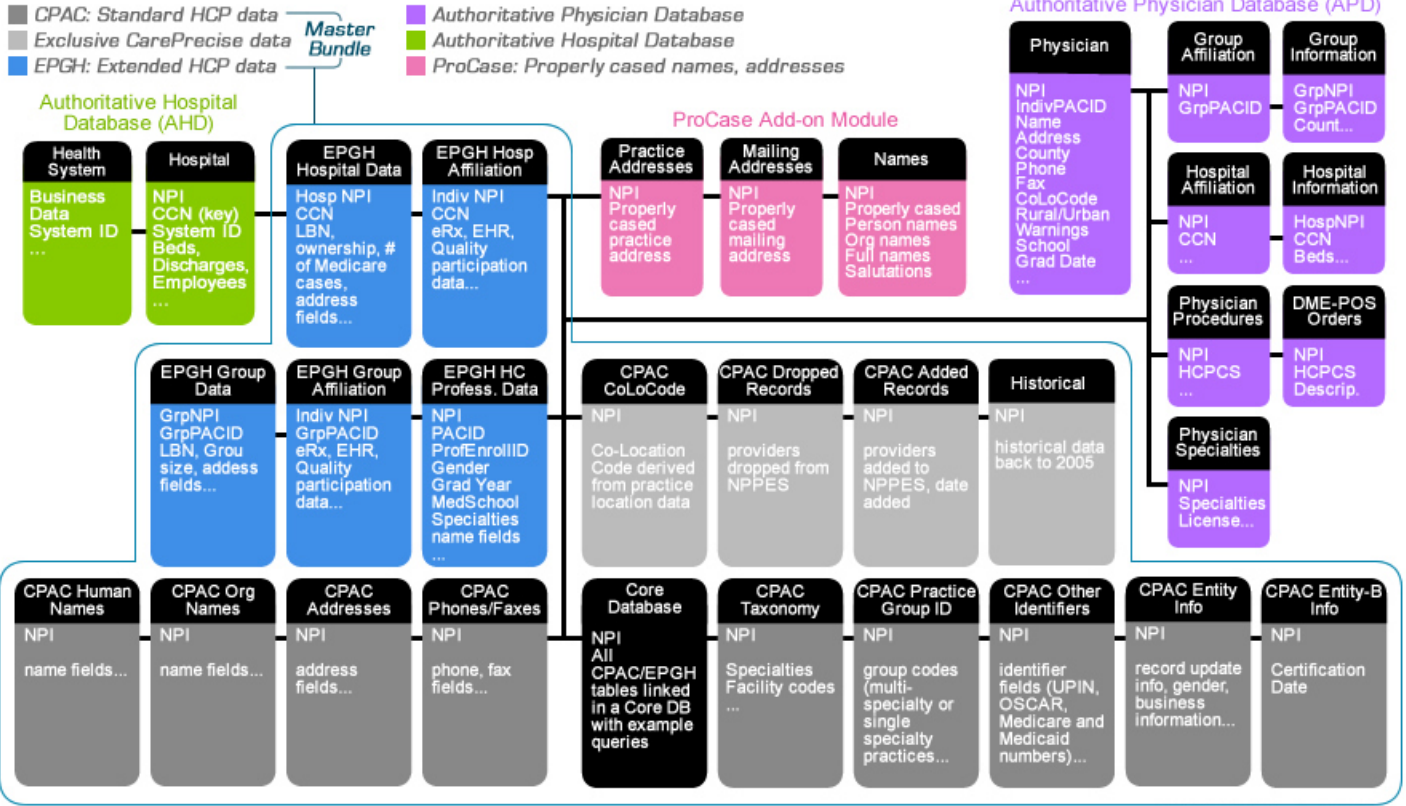


Data Model



CarePrecise U.S. Healthcare Provider Database Fields

CarePrecise Data Tables & Fields

Product Key: CPAC: CarePrecise Access Complete (standard basic data) EPGH: Extended Physician, Group & Hospital data

ProCase: Properly-cased names and addresses APD: Authoritative Physician Database AHD: Authoritative Hospital Database

CPLM: CP ListMaker

Product	Table	CarePrecise fieldname	Description of field, and/or source fieldname	Additional information
CPAC (CarePrecise Access Complete) data is sourced and merged from the NPPEs, PECOS and LEIE databases, keyed on the NPI. Every record has a unique NPI, and the NPI is used to link the relational tables together. The CPAC dataset is updated monthly.				
CPAC	tAddresses (Provider addresses; MDB and CSV 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	tOtherPracticeLocations Additional (secondary) practice locations for Type 2 providers; MDB and CSV formats One-to-many table.	NPI	National Provider Identifier	Relational Key (composite)
		SecondaryPracAddr1	First line of street address	Relational Key (composite)
		SecondaryPracAddr2	Second line of street address	
		SecondaryPracCity	City Name	
		SecondaryPracState	State Code	

Table is not provided in custom data pulls (CarePrecise Select services).

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

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), 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 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.	Where available
		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		Practice county
		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

		PMSA	Primary Metropolitan Statistical Area of practice												
		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												
		CertDate	Date of certification of provider's NPI number												
		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												
		LN	Provider Last Name (Legal Name)												
		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												
		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)												
		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												
			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.												
			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													
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												
		OtherID	Other Provider Identifier												
		OtherIDType	Other Provider Identifier Type Code												
			<table border="1"> <thead> <tr> <th>Description</th> <th>OtherIDType</th> </tr> </thead> <tbody> <tr> <td>Other</td> <td>01</td> </tr> <tr> <td>Medicaid</td> <td>05</td> </tr> </tbody> </table>	Description	OtherIDType	Other	01	Medicaid	05						
Description	OtherIDType														
Other	01														
Medicaid	05														
		OtherIDState	Other Provider Identifier 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)												
CPAC	tOrgNames (Provider organization names for Type 2 providers; MDB and CSV formats)	NPI	National Provider Identifier												
		OrgName_LBN	Provider Organization Name (Legal Business Name)												
		OthOrgName	Provider Other Organization Name												
		OthOrgNameType	Provider Other Organization Name Type Code												
			<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>EntityType</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>DBA</td> <td>2</td> </tr> <tr> <td>4</td> <td>Former LBN</td> <td>2</td> </tr> <tr> <td>5</td> <td>Other</td> <td>1, 2</td> </tr> </tbody> </table>	Code	Description	EntityType	3	DBA	2	4	Former LBN	2	5	Other	1, 2
Code	Description	EntityType													
3	DBA	2													
4	Former LBN	2													
5	Other	1, 2													
		ParentOrgLBN	Parent Organization LBN												
CPAC	tOtherOrgNames 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).	NPI	National Provider Identifier												
		OtherOrgName	Other Organization Aame												
		OtherOrgNameType	Other Organization Name Type												
			<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>EntityType</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>DBA</td> <td>2</td> </tr> <tr> <td>4</td> <td>Former LBN</td> <td>2</td> </tr> <tr> <td>5</td> <td>Other</td> <td>1, 2</td> </tr> </tbody> </table>	Code	Description	EntityType	3	DBA	2	4	Former LBN	2	5	Other	1, 2
Code	Description	EntityType													
3	DBA	2													
4	Former LBN	2													
5	Other	1, 2													
CPAC	tPhoneFax (Provider phone and fax numbers; fax numbers for approx. 65% of records; MDB and CSV formats)	NPI	National Provider Identifier												
		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)	NPI	National Provider Identifier												
		Taxo	Healthcare Provider Taxonomy Code												
		Lic	Provider License Number												
			Providers may have multiple taxonomies reported here, and thus multiple records in this one-to-many table												
			For Type 2 (organization) providers, License is no longer collected as of 9/10/2018.												

providers; MDB and CSV formats). One-to-many table.

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		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.	

CPAC	tAdded (CPAC records only) (MDB and CSV formats) Table is not provided in custom data pulls (CarePrecise Select services)	NPI	National Provider Identifier	Relational Key (composite)
		DateDiscovered		Relational Key (composite) 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	Relational Key (composite)
		DateDiscovered		Relational Key (composite) 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
CPAC	tExcluded (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 providing tax numbers at this time.	
		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)			
CPAC	tDeact (MDB and CSV formats; CPAC records only) Table is not provided in custom data pulls (CarePrecise Select services)	NPI	National Provider Identifier	Relational Key (composite) 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 rrecords; some may be deactivated while others are active. When a record is reactivated it will appear in the tAdded table.
		DeactDate	Date CMS deactivated the provider's NPI record	Relational Key (composite)
		DeactFound	Date deactivation was processed by CarePrecise	
		DeactReason	Reason for deactivation.	Not currently populated. Not disclosed by CMS.
CPAC	Delta tables in NPPES_Delta.mdb (MDB format; CPAC records only) Table is not provided in custom data pulls (CarePrecise Select services)	tAddresses_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 rrecords; some may be deactivated while others are active. When a record is reactivated it will appear in the tAdded table.	
		tEntity_DEACT		
		tHumanNames_DEACT		
		tOID_DEACT		
		tOrgNames_DEACT		
		tPhoneFax_DEACT		
		tTaxo_DEACT		
		tTaxoGroups_DEACT		
		tCoLoCode_DEACT		
Additional Data Included with Extended Professional, Group and Hospital (EPGH)/CPAC Master Bundle and CarePrecise Platinum . Data is sourced from PECOS, Physician Compare, Hospital Compare and other CMS 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. No time stamp is provided for EPGH updates, and no historical data is included.				
EPGH	tExtended_Professional (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. MDB and CSV formats.) Only active providers (have 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 560,000 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.	NPI	National Provider Identifier of Individual Professional	Relational Key (composite and to CPAC) Link to professional's data in the CPAC databases above. This ID is unique per professional (physician, PA, etc.).
		PACID	Individual's unique PAC ID (Practice Access Code). Unique individual professional ID assigned by Medicare PECOS system	Relational Key (composite) Link to practice group affiliations through the tExtended_GroupProfessional table, and is a link to upcoming practice group quality data.
		ProfEnrollID	Professional Enrollment ID	Relational Key (composite) 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		
EPGH	tExtended_Group (Extended Practice Group information; MDB and CSV formats)	GroupPracPACID	Unique Group Practice PAC ID (Practice Access Code) assigned by PECOS to the Group Practice Relational Key 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.	
		NPI	National Provider Identifier of the Practice Group Relational Key (to CPAC) Links practice groups in Extended tables to CPAC data above. Algorithmically derived*; not available for all group records. 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 Professionals affiliated with Group Practice	This count is limited to individuals 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	tExtended_GroupProfessional (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.	NPI
GroupPracPACID	Unique Group Practice PAC ID (Practice Access Code) assigned by PECOS to the Group Practice that the individual professional works with. Relational Key (composite) 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 - provides incentives and payment adjustments to eligible professionals who use certified EHR technology in ways that may improve healthcare.			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 field.
EPGH	tExtended_Hospital (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)	CCN	Medicare Hospital Provider Number (CMS Certification Number assigned by CMS) Relational Key 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.	
		NPI	Priority National Provider Identifier. Relational Key (to CPAC) 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.
Algorithmically derived*; not available for all hospital records.

	HospitalName	Hospital name as reported by the hospital in its NPPES record	From the PECOS database
	HospitalLBN	Hospital legal business name as listed in hospital quality data	From the Hospital Compare database
	Address1	Hospital line 1 address	
	Address2	Hospital line 2 address	
	City	Hospital City	
	State	Hospital State	
	Zip Code	Hospital Zip Code	
	County	Hospital County	
	Phone	Phone	
	HospitalType	Hospital Type, as recorded in hospital quality data	
	HospitalOwnership	Hospital ownership structure	
	EmergencyService	Y= Hospital has emergency service	
	CoLoCode	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.
EPGH	tExtended_HospAff (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.	HospAffCCN	Medicare CCN (CMS Certification Number assigned by CMS) of hospital where individual professional provides service Relational Key (composite) Link to hospital details in tExtended_Hospital via CCN, and to the CarePrecise Authoritative Hospital Database (APD)
		NPI	Unique professional ID assigned by NPPES to Individual Professional affiliated with hospital Relational Key (composite) 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.

ProCase	tProCase_Names (Properly cased names from CPAC tHumanNames and tOrgNames tables.)	NPI	National Provider Identifier Relational Key (to CPAC) 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		
ProCase	tProCase_Addresses_Mail (Properly cased Mailing Addresses from CPAC tAddresses table.)	NPI	National Provider Identifier Relational Key (to CPAC) Link to data in the CPAC and EPGH databases above.
		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
ProCase	tProCase_Addresses_Prac (Properly cased Practice Addresses from CPAC tAddresses table.)	NPI	National Provider Identifier Relational Key (to CPAC) Link to data in the CPAC and EPGH databases above.
		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 All U.S. HIPAA-covered physicians.	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
		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.

APD

APD_Physician_Type2
All U.S. HIPAA-covered physicians.

NPI	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.	Relational Key
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)	

APD

APD_Specialty
All physicians' specialties. May be up to 15 per physician.

NPI	National Provider Identifier	Relational Key
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	
APD	APD_Group 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.	PACID	Unique Group Practice ID assigned by PECOS to the Group Practice that the individual professional works with	Relational Key (composite)
		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	
APD	APD_GroupAff Linking table connects physicians with practice group affiliations. Collected from Medicare claims data during a moving window of twelve months prior to release date.	NPI	Unique physician ID assigned by NPPES	Relational Key (composite)
		PACID	Unique Group Practice ID assigned by PECOS to the Group Practice that the individual professional works with	Relational Key (composite)
		AcceptsMedicareAsmt	Y = Professional accepts Medicare approved amount as payment in full at this group location. M = Professional may accept Medicare Assignment.	
APD	APD_Hospital Physician's affiliated hospitals. May be up to five per physician. Ongoing extraction from Medicare claims data.	CCN	CMS Certification Number	Relational Key
		NPI	Priority National Provider Identifier of hospital; derived as best NPI based on taxonomy hierarchy; hospitals may have additional NPI numbers	Relational Key (to CPAC)
		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	
		CoLoCode	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	
APD	APD_HospitalAff 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.	CCN	CCN of hospital where individual professional provides service	Relational Key (composite)
		NPI	Unique physician ID assigned by NPPES	Relational Key (composite)
APD	APD_PhysicianProcedure Physician procedure volumes, listing top five procedures performed by physician, and counts of services and patients	NPI	National Provider Identifier of clinician	Relational Key (composite)
		HCPCS_Code	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.	Relational Key (composite) to Physician Procedure table

served, from CMS-collected HCPCS reporting.

ServiceCount	Frequency of individual clinician's performance of the associated HCPCS code within the calendar year	
BeneficiaryCount	The number of beneficiaries that received the service or procedure identified by the HCPCS code	
MeasureYear	The most recent year of procedure data reported by CMS	
HCPS_Code	Healthcare Common Procedure Coding System (HCPCS) procedural code billed by the clinician	Relational Key to Physician Procedure table
ProcedureDescription	Lay-friendly description of procedure associated with HCPS code	

APD

APD_ProcedureDescriptions
Physician procedure volumes. Ongoing extraction from CMS-collected HCPCS reporting. Abbreviated descriptions.

APD

Lookup_ExclusionDescriptions
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.

ExclType	Exclusion type code	Relational Key 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).	

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.

AHD

AuthoritativeHospital DB.mdb
CSV files are provided for all database tables.

CCN	Unique federal hospital identifier	Relational Key (to EPGH) 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. Algorithmically derived* ; not available for all AHD records. 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	Patient satisfaction 1-5 stars

instruction on at-home recovery	
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

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 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.

CPLM	tZips	ZipCode	5-digit Zip Code	Relational Key (to CPAC.tEntity.Zip5)	
	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 up to 12 levels are present in the data; additional levels will be included when data for those more extreme wealth levels are present.	Description	Wealth Level
				=<50% FPL	1
				50% to 100% FPL	2
				100% to 150% FPL	3
				150% to 200% FPL	4
				200% to 300% FPL	5
				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)		

CPLM	Additional Gold data tables:	
	- Names - Names_Company - Names_Cred - Names_Genderize - Names_Prefices - Names_Suffices - StateNameVariants	Additional data tables included in CarePrecise Gold are used by the included SharpMail™ tool to produce correctly-cased names and addresses and correctly-genderized and -prefixed salutations.

* 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.