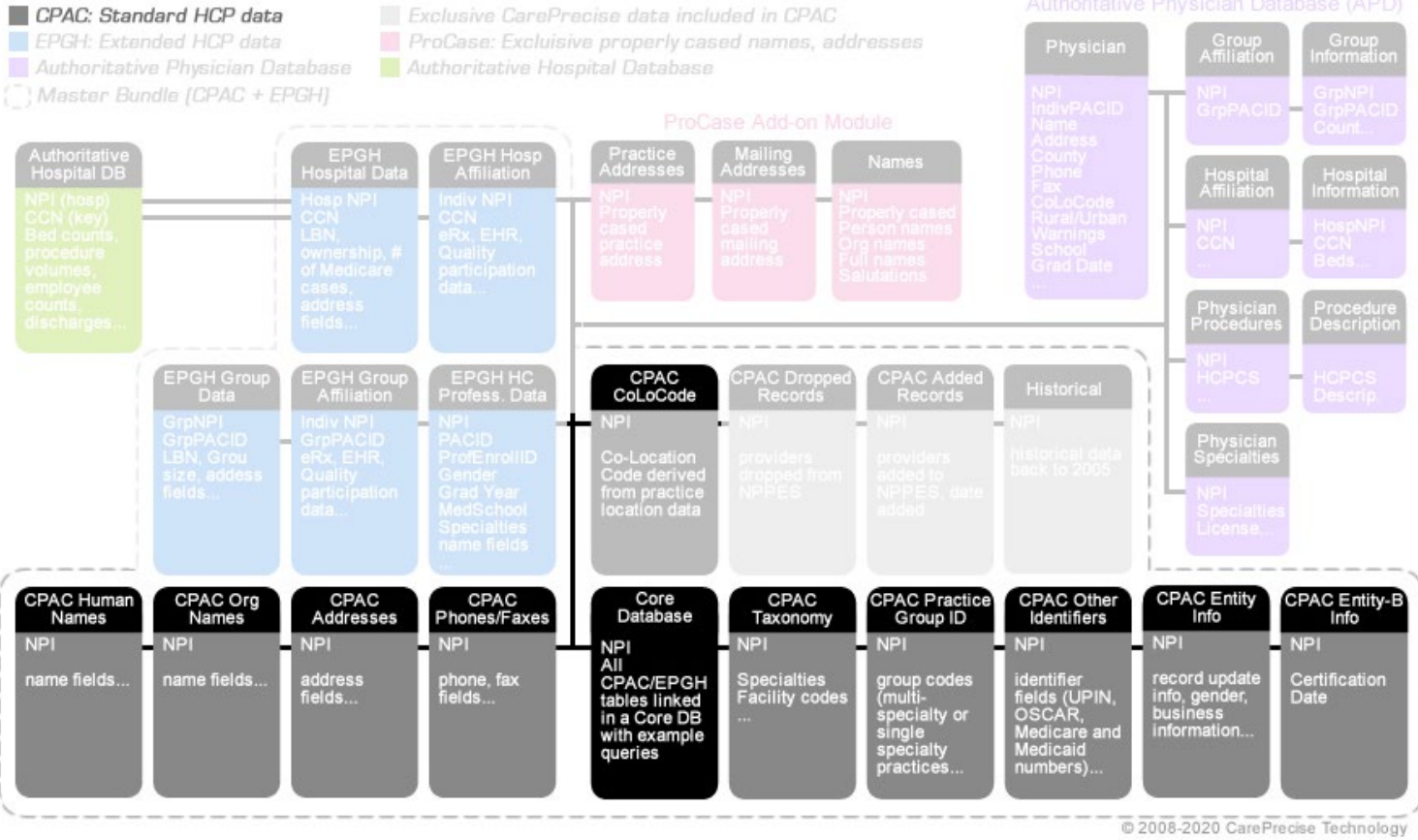


# Data Model



## Data Tables and Fields

Table	Field Name	Description	Additional Information
<b>tAddresses</b> (Provider addresses; MDB and CSV formats)	<b>NPI</b>	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>tEntity</b> (Provider entity and record information; MDB and CSV)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b> Type 1 indicates an individual provider (i.e., physician, psychologist, etc.); Type 2 indicates an organizational provider (i.e., hospital, lab, pharmacy,
	EntityType	Entity Type Code	

formats)

etc.)

ReplacementNPI	Replacement NPI	
EIN	Employer Identification Number (EIN)	CMS is not yet providing tax numbers of this type
EnumDate	Provider Enumeration Date	
UpdateDate	Last Update Date	Date this provider NPI record was last updated
DeactReason	NPI Deactivation Reason Code	Not currently populated
DeactDate	NPI Deactivation Date	Not populated because records in the current dataset are not deactivated. This field IS populated in the separate delta table tEntity_DEACT, described below.
ReactDate	NPI Reactivation Date	Not currently populated
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	CMS is not yet providing tax numbers of this type
InPECOS	From monthly CMS PECOS distributions of PECOS-enrolled providers. Source: PECOS file distribution, linkage derived algorithmically* beginning with December 2011 release.	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). 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. (Algorithmically derived*).	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.
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.

<b>tEntity-B</b>	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>
	CertDate	Date NPI registry record was certified	
	EstPracYears	Estimated years in practice	Based on PECOS data and first enumeration date.
<b>tHumanNames</b> (Provider human names, esp. Type 1 individual providers; MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>
	LN	Provider Last Name (Legal Name)	The enumerated provider's 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	"AKA" name: Nee name, nickname, etc.
	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	Name of the provider's authorizing official, if other than the listed individual provider. For organizations, 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>tOID</b> (Other identifiers, such as UPIN, OSCAR, PIN, Medicaid, etc., excluding NPI and taxonomy codes; MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>						
	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>1</td></tr><tr><td>Medicaid</td><td>5</td></tr></tbody></table>	Description	OtherIDType	Other	1	Medicaid	5
	Description	OtherIDType							
	Other	1							
	Medicaid	5							
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>tOrgNames</b> (Provider organization names, esp. 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														
	OthOrgName	Provider Other Organization Name	Other														
	OthOrgNameType	Provider Other Organization Name Type Code	<table border="1"><thead><tr><th>Description</th><th>Type</th></tr></thead><tbody><tr><td>Unexplained (both)</td><td>0</td></tr><tr><td>Former Name (indiv)</td><td>1</td></tr><tr><td>Professional Name (indiv)</td><td>2</td></tr><tr><td>Doing Business As (org)</td><td>3</td></tr><tr><td>Former LBN (org)</td><td>4</td></tr><tr><td>Other Name (both)</td><td>5</td></tr></tbody></table>	Description	Type	Unexplained (both)	0	Former Name (indiv)	1	Professional Name (indiv)	2	Doing Business As (org)	3	Former LBN (org)	4	Other Name (both)	5
	Description	Type															
	Unexplained (both)	0															
	Former Name (indiv)	1															
Professional Name (indiv)	2																
Doing Business As (org)	3																
Former LBN (org)	4																
Other Name (both)	5																
ParentOrgLBN	Parent Organization LBN																

<b>tPhoneFax</b> (Provider phone and fax numbers; 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>tTaxo</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)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>
	Taxo	Healthcare Provider Taxonomy Code	
	Lic	Provider License Number	
	LicState	Provider License Number State Code	
	TaxoSwitch	Healthcare Provider Primary Taxonomy Switch	
	Tnum		The number of the NPPES taxonomy field (1 through 15)
TaxoDescr		Taxonomy code description (the specialty/subspecialty in English)	

<b>tTaxoGroups</b> (Provider Taxonomy codes indicating group practices; MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</b>
	Gnum	The source data (NPPES) permits group codes to be reported in up to 15 fields in this section. CarePrecise creates a 1-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.	This is the newest of the data released by CMS in the NPPES file. This is where the group taxonomy codes are reported. CMS does not report the 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

<b>tCoLoCode</b> (MDB and CSV formats)	<b>NPI</b>	National Provider Identifier	<b>Relational Key</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	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

location data, and is not intended to be sensical to the human viewer.

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.

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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 co-location.

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\* Algorithmically derived data in the CPAC dataset 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, the 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. In like manner, the available federal data does not provide information on an individual provider's practice group(s); using record-linkage technology, we extract the group information by matching providers sharing the same practice location, and these group data can be corroborated or enriched with the group practice codes provided by CMS.