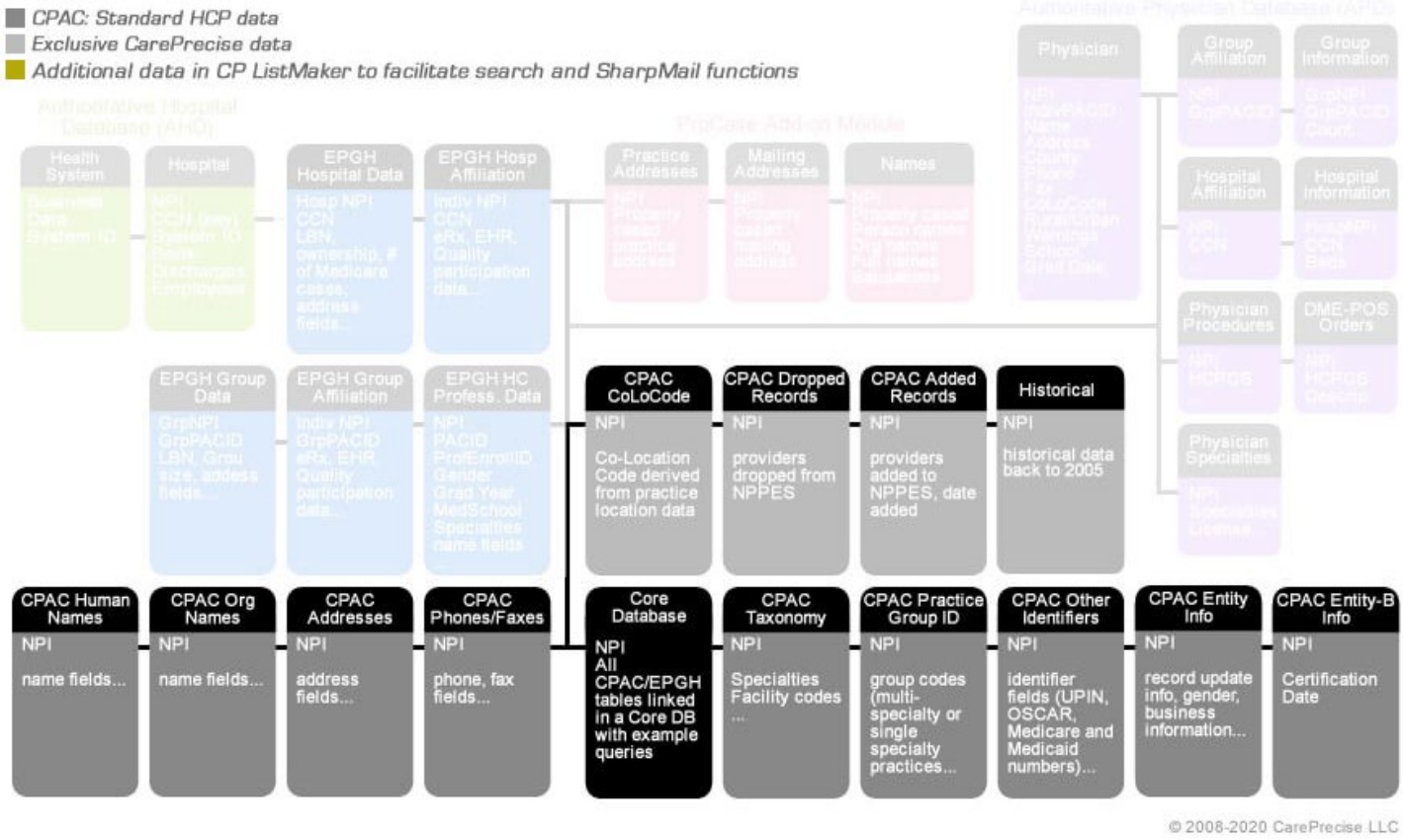
CarePrecise Gold™

Healthcare Provider Data with CP ListMaker™ software.

Revised 8/7/2026

Data Model



CarePrecise Data Tables and Fields

CPAC CarePrecise Access Complete basic provider data

CPLM Additional fields included in Gold & Platinum CP ListMaker (SharpMail proper casing software is included)

File Set	Table	Field Name	Description	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.				
tAddresses_Prac (Practice Addresses; MDB and CSV formats) **As of the August 2026 release, the tAddresses_Prac and tAddresses_Mail tables replace the deprecated tAddresses table for improvements in speed and useability.**		**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).
		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.)	
tAddresses_Prac (Business Mailing Addresses; MDB and CSV formats) **As of the August 2026 release, the tAddresses_Prac and tAddresses_Mail tables replace the deprecated tAddresses table for improvements in speed and useability.**	**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.)	
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	
	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	
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.	
UPIN	UPIN is a deprecated identifier, no longer used. CMS has stopped disseminating this data. The field remains here for purposes of backward-compatibility.	
Group	From NPPES group taxonomy data	Y= this provider reported that it operates as either a multi-specialty group or single-specialty group.
County		Name of county primarily associated with the practice Zip Code
Zip5		First five digits of practice address Zip Code

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

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

Description	OtherIDType
Other	01
Medicaid	05

MDB and CSV formats) One-to-many table.	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)
tOrgNames (Provider organization names for Type 2 providers; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
	OrgName_LBN	Provider Organization Name (Legal Business Name)	LBN (for Entity Type 2 records)
	OthOrgName	Provider Other Organization Name	Other
	OthOrgNameType	Provider Other Organization Name Type Code	Code: 3, Description: DBA, EntityType: 2 Code: 4, Description: Former LBN, EntityType: 2 Code: 5, Description: Other, EntityType: 1, 2
	ParentOrgLBN	Parent Organization LBN	
tOtherOrgNames Alternative org names beyond those listed in tOrgNames; MDB and CSV formats. One-to-many table.	**NPI**	National Provider Identifier	**Relational Key (composite)**
	OtherOrgName	Other Organization Name	**Relational Key (composite)**
	OtherOrgNameType	Other Organization Name Type	**Relational Key (composite)** Code: 3, Description: DBA, EntityType: 2 Code: 4, Description: Former LBN, EntityType: 2 Code: 5, Description: Other, EntityType: 1, 2
tPhoneFax (Provider phone and fax numbers; fax numbers for approx. 65% of records; MDB and CSV formats)	**NPI**	National Provider Identifier	**Relational Key**
	MailPhone	Provider Business Mailing Address Telephone Number	
	MailFax	Provider Business Mailing Address Fax Number	
	PracPhone	Provider Business Practice Location Address Telephone Number	
	PracFax	Provider Business Practice Location Address Fax Number	
	AuthPhone	Authorized Official Telephone Number	
tTaxoCode (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. **As of the August 2026 release, the tTaxoCode and tTaxoDescr tables replace the deprecated tTaxo table for improvements in speed and useability.** About Taxonomy Codes	**NPI**	National Provider Identifier	**Relational Key**
	Taxo	Healthcare Provider Taxonomy Code (Specialties and Facilty Types)	Providers may have multiple taxonomies reported here, and thus multiple records in this one-to-many table. The Taxonomy Code indicates the provider's specialty; i.e., Pediatrician, Optometrist, etc.; or facility type; i.e., Hospital, Clinic, Nursing Facility, etc.
	Lic	Provider License Number	For Type 2 (organization) providers, License is no longer collected as of 9/10/2018.
	LicState	Provider License Number State Code	For Type 2 (organization) providers, License is no longer collected as of 9/10/2018.
	TaxoSwitch	Healthcare Provider Primary Taxonomy Switch (Primary specialty indicator)	"Y" means this is the provider's primary specialty or facility code.
	Tnum	Source: Added by CarePrecise to indicate the original NPPES flat file Taxonomy Code (specialty) field number.	The number of the NPPES taxonomy field (1 through 15). If a primary taxonomy is not indicated, it may be useful to assume that the first-listed code (1) is primary.
tTaxoDescr **As of the August 2026 release, the tTaxoCode**	**NPI**	National Provider Identifier	**Relational Key**
	TaxoDescr		Taxonomy code description (the specialty/subspecialty in English)

and tTaxoDescr tables replace the deprecated tTaxo table for improvements in speed and useability. About Taxonomy Codes	IndivOrOrg	I = Individual; O = Organization	Indicates an Individual or Organization taxonomy code. Type 1 and Type 2 providers may still use these taxonomies interchangeably.
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
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 provider records 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. Includes both Type 1 and Type 2 records.	
	Group	Y= This NPI/CoLoCode record is a group entity.	Same as the Group field in the tEntity table. It means that the NPI has a record in the tTaxoGroup table.
	CountType1	Number of individual practitioners found co-located with this group	To see the number of Type 2 providers (organizations), subtract CountType1 from Count.
tAdded	**NPI**	National Provider Identifier	**Relational Key (composite)**
	DateDiscovered		

(CPAC records only) (MDB and CSV formats)			**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.
tDropped (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
tExcluded (MDB and CSV formats)	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
	FN	First name (Type 1 providers)	
	MN	Middle Name (Type 1 providers)	

	OrgName	Organization name (Type 2 providers)	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.
	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)	
tDeact (MDB and CSV formats; CPAC records only)	**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 records; 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.
Delta tables in NPPES_Delta.mdb (MDB format; CPAC records only)	tAddresses_DEACT tEntity_DEACT tHumanNames_DEACT tOID_DEACT tOrgNames_DEACT tPhoneFax_DEACT tTaxo_DEACT tTaxoGroups_DEACT tCoLoCode_DEACT	tAddresses_DEACT tEntity_DEACT tHumanNames_DEACT tOID_DEACT tOrgNames_DEACT tPhoneFax_DEACT tTaxo_DEACT tTaxoGroups_DEACT tCoLoCode_DEACT	The Delta (historical) healthcare provider tables are contained in a separate database included in the CarePrecise 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 of the then-current data release.

Additional data included in the **CP ListMaker** software component of 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: **CPListMaker.mdb.tZips** Economic and social segmentation data for providers' service areas	ZipCode	5-digit Zip Code	**Relational Key (to CPAC.tEntity.Zip5)**
	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	**FPL Segment** / **Wealth Level** =<50% FPL / 1 50% to 100% FPL / 2

		present in the data; additional levels will be included when data for those more extreme wealth levels are present.	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)	Per-address geocoding is available.
	Longitude	Geographic longitude to 5-digit zip accuracy (center of Zip)	Per-address geocoding is available.
CPLM: **CPListMaker.mdb**	**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.

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