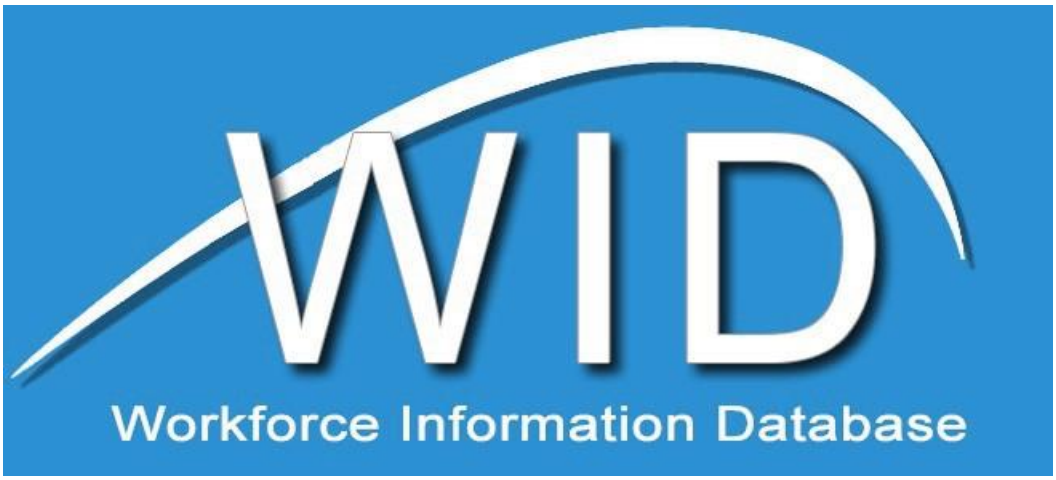


Database Structure
Version 3.0

Consortium members:
Michigan, Minnesota, Montana, North Carolina, South Carolina, Oregon, Virginia, Washington, Wisconsin, and the Employment and Training Administration (ETA)

WID Version 3.0 - Release History

Release Date: 03/11/2024
Revision: 12/12/2024
Revision: 5/1/2025 – Added StFips field to CESCodes table

INTRODUCTION

The Workforce Information Database (WID) is a standardized database structure developed for the storage and dissemination of local, state, regional, and national workforce information on the economy, industry, labor supply and demand, and other aspects of and areas affected by, or that have an effect on our workforce. Population of the database is a core deliverable of the ETA State Workforce Information Grant and is carried out by the agency that has responsibility for collecting, preparing, and disseminating the information within each state. The WID structure is continually updated to incorporate new data and adapt to new technology in order to accommodate the wide range of uses and users of this information. Structure updates are also driven by WID users submitting requests, comments, and concerns to Analyst Resource Center (ARC) consortium members or by the ARC directly (see Contact Information below). The change process is coordinated by the Analyst Resource Center Consortium, which is funded by the U.S. Department of Labor, Employment and Training Administration (ETA). The Consortium is led by the state of Minnesota. Membership includes Connecticut, Iowa, Michigan, Minnesota, Montana, Nevada, North Carolina, Oregon, Virginia, Wisconsin, and the ETA.

TABLE LAYOUTS

The table layouts for the Workforce Information Database tables are presented in this document. They are organized into four types: lookup tables, data tables, crosswalks, and administrative or application developers' tables. There is also a section of standard field values. The lookup tables contain relatively constant data that pertains mainly to descriptive data associated with classification codes. The data tables contain information about employment, wages, income, layoffs, industries, occupations, employers, education and training completers, educational programs, population demographics, selected economic indicators, and other data. These tables are intended to contain information that is maintained on a regular basis by each state. The crosswalk tables are a subset of the lookup tables representing the relationships between various classification codes. The administrative tables are tables used by the database administrator to record database management activities. This section also contains the all-codes tables used for industry codes and occupation/training codes (see below). The field values tables present standard values assigned to fields in the respective tables that are to be used in populating the database.

CORE TABLES

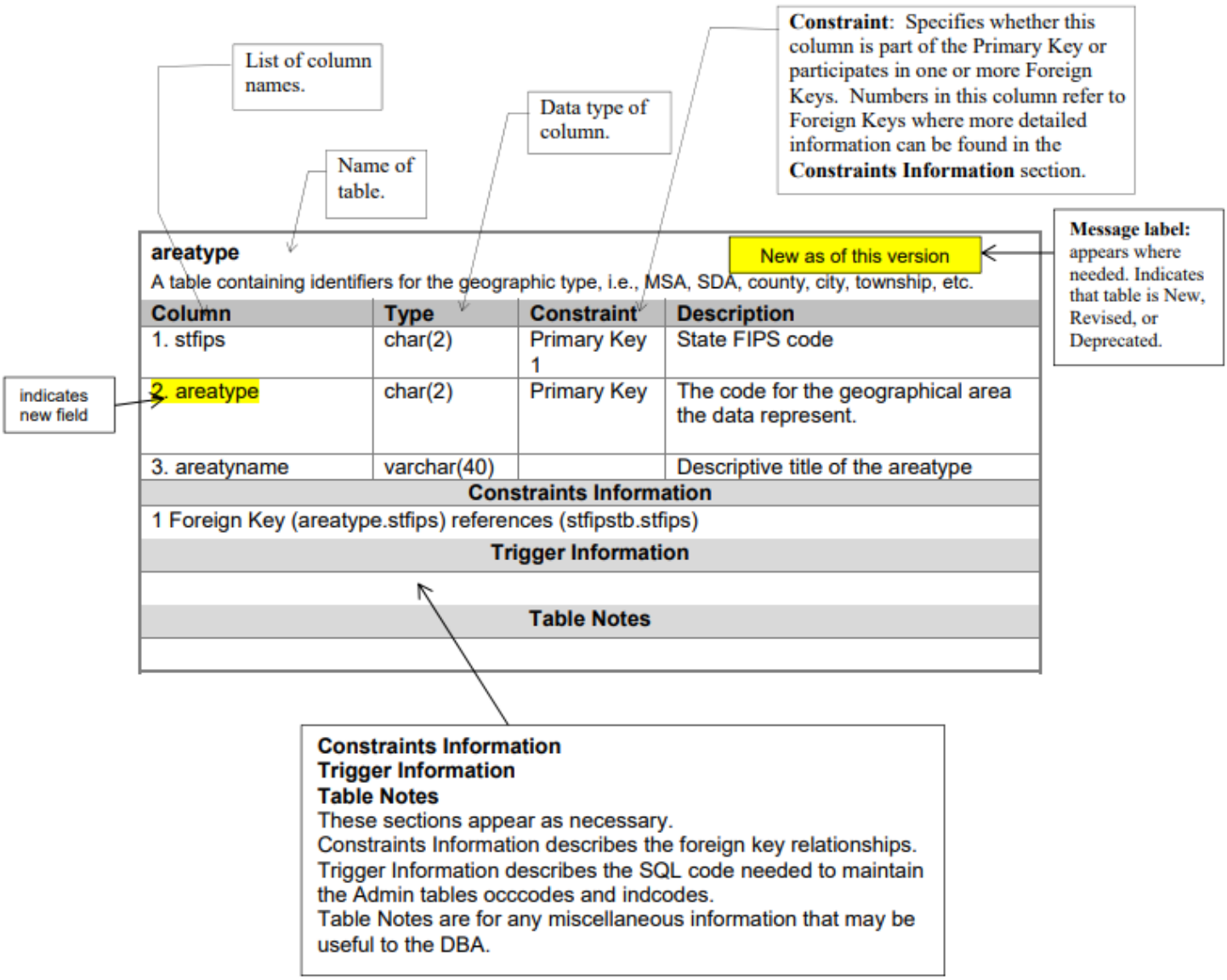
Core Tables are a group of data tables, and related lookup tables, that contain the most common data produced by state departments of labor and are thus considered mandatory according to the WIG TEGL controlling the ARC. From the WIDCenter website: As stated in the Employment and Training Administration (ETA), Workforce Information Core Products and Services Grant, "States are required to implement and maintain the most current version of the Workforce Information Database and populate all tables designated as core tables in accordance with guidelines issued by the Analyst Resource Center (ARC). Database content must be updated timely in order to be as current as the state's most recent publications and data releases." The core tables are listed in Appendix E, as well as indicated with an apple core:

CHANGES MADE FROM PRIOR VERSIONS

Appendix D lists the changes made to the Workforce Information Database from the prior version to this current one.

HOW TO READ A TABLE DEFINITION

Each table definition contains complete information about the structure of a table. Each definition includes: the name of the table, a complete list of each column name and data type, complete constraint information, and short descriptions of the columns. The following illustration identifies each component of a table definition.



HOW TO USE THE STANDARD FIELD VALUES

Those fields with standard values, such as area types and industry and occupation code types, are arranged in alphabetical order under the Standard Field Values section. For example, if you are loading or using county data, you can look in the Field Values under "areatype" to see that County is area type = 04.

areatype

Values:

00	US
01	State
03	SDA
04	County
05	Minor Civil Division
06	BLS Region
07	Broad Geographic Area (BGA)
08	Economic Development Region
09	Planning Region
10	Labor Market Area
11	City
12	Town
13	Township
14	Municipality/Suburb
15	Workforce Investment Region
16	One Stop Area
17	Workforce Development Area
18	Job Center Area
19	Congressional District
20	Census Places
25	Metropolitan New England City and Town Area (NECTA)
26	Micropolitan New England City and Town Area (NECTA)
27	New England City and Town Area (NECTA) Divisions
28	Combined New England City and Town Area (NECTA)
30	Balance of State
31	Metropolitan Statistical Area
32	Micropolitan Statistical Area
33	Metropolitan Division
34	Combined Statistical Area
35	EEO County Group

The other commonly used standard field is codetype, which denotes the coding system used for industries, occupations, and education programs. This is the field used by the administrative tables indcodes and occcodes to reference the code system. Although the table contains 20 values, most industry data will be NAICS-based, codetype = 10, and most occupation data will be SOC- based, either 2010 (codetype=14), or the newer 2018 (codetype=19).

Other fields with standard values include various look-up tables, such as annualsalesrange, cescode (industry codes specific to CES), and populationsource.

In WID 3.0 a major change was to add an areatypeversion field to the area keys. This allows areas that have different vintages to be easily grouped for a time series. The most significant one is Metropolitan Statistical Areas (MSAs). Historical versions should be added under the WID 2.8 current version areatypes (31-34), with an areatypeversion of 2018. Prior versions, areatypes (21-24, 02) should also be added under 31-34 but with areatypeversions indicating their vintage.

For all of these, having standardized values means that we are all talking about the same thing when we look at data.

TABLE CONSTRAINTS AND TRIGGERS

The Constraint section of each table definition identifies all Primary Keys and Foreign Keys for the table. The constraints for a table specify rules for data that will be stored in that table. These rules exist in the form of either Primary Keys or Foreign Keys. The definitions of these terms appear below:

> Primary Key: The Primary Key is a column or group of columns that shall always be (1) non-null and (2) unique. Only one primary key exists for each table. A Primary Key constraint is enforced on a table so that each row in the table can be uniquely identified.
>
> Foreign Key: A Foreign Key is a column or group of columns where each value or group of values exists as a Primary Key in another table. Foreign Key constraints are used so that data for a column or group of columns can be validated against another table containing a list of valid values for that column or group of columns.

Throughout the table definitions, Primary Keys and Foreign Keys are used wherever possible to achieve the greatest level of data quality. For example, in the table ces, there is a column called seriescode. By specifying a Foreign Key constraint on the seriescode column referencing the table cescode, no row in the ces table will ever contain a value for seriescode that does not already exist in the table cescode. This protects the ces table from ever containing invalid seriescode values.

The information stored in the Workforce Information Database contains many different classification systems for occupations (DOT, SOC, OES, ONET, etc.), industries (NAICS and SIC) and training programs (various releases of CIP). The states may choose which classification system they are going to use. Some states may choose to classify occupations with ONET codes while other states may use SOC codes. Some states store data making use of several different classifications and some states are in the process of converting from one classification system to another thus needing to store data for both classifications.

Since its inception, the Workforce Information Database has provided a means for specifying more than one type of classification system in some of the data tables. For example, the programcompleters table has a code field in which several different types of occupational codes (DOT, OES, SOC, etc.) can be used. The programcompleters table's codetype field defines the type of code being used in a particular record. These multi-code fields provide flexibility in classifying the data, but can cause problems with data integrity.

All relational database systems require Foreign Keys to be a set of fixed conditions, with the data field having the same length as the Primary Key of the lookup table it references. Each Foreign Key constraint must reference only one lookup table. This restriction presents a problem when trying to set Foreign Key constraints on the multi-code fields in some of the Workforce Information tables. Since the length of the classification codes can vary (4 – 10 characters) and the lookup table to be referenced must be determined by the code-type, Foreign Key constraints cannot be set directly between the multi-code field and the lookup table that needs to be referenced.

In order to provide a means of enforcing Foreign Key constraints on the multi-code fields, two administrative tables were added to the Workforce Information Database. They are the industrycodes and occupationcodes tables. The industrycodes table is designed to contain the code-type and code of all the industry classifications a state may be using. The occupationcodes table is designed to contain all of the occupation and training classifications a state may be using. Each of

these tables also contains the title associated with the classification code so these multi-code tables can also be used for application development.

Maintenance of the multi-code tables – industrycodes and occupationcodes – can present additional effort and responsibility for the Workforce Information Database Administrators. In order to minimize the efforts of the DBA, triggers have been identified as a means to maintain the multi-code tables
that can be used universally. A trigger is a special kind of stored procedure that goes into effect when you modify data in a specified table using one of the data modification operations – UPDATE, INSERT, or DELETE. Triggers can query other tables and can include complex SQL statements. Triggers in the Workforce Information Database are used specifically to maintain the referential integrity of the multi-code tables with any changes that are made to the lookup tables. The advantage of using triggers is they are automatic on all logged operations. They are activated immediately after any modification to the table's data. Triggers are supported by most enterprise-level database systems.

Triggers should be added to each of the lookup tables that need to be represented in the multi- code tables. For example, the soccodes table will have a trigger that executes whenever it is updated and it will automatically update the occupationcodes table with the code and title changes made to the soccodes table. Likewise, the naicscodes table will have triggers that will update the industrycodes table with the code and title changes made to the naicscodes tables. Lookup tables that should have triggers are identified in the Tables section and in the Load Order Document, Appendix A, with the triggerfish icon.

Use of VARCHAR(MAX)

In order to accommodate some of the large descriptor fields in the Workforce Information Database, ARC recommends using data type varchar(MAX) for the descriptor fields specified in this structure document. If your system does not support data type varchar(MAX), then use the largest varchar size your DBMS and/or organization allows.

Workforce Information Database Administrators need to be aware of the fact that data type variations may exist depending on the system being used and they will need to adapt this structure for their particular database management system.

CONTACT INFORMATION and LINKS:

For comments, questions, or suggestions: arc.deed@state.mn.us.

For sample code: http://www.widcenter.org/
Core tables: http://www.widcenter.org/document/all-core-tables/

Workforce Information Database Version 3.0

WID Tables – Listed by Type

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Look-Up Tables

AgeGroups

A table containing codes for identifying age categories.

FieldName	FieldType	Constraint	FieldDesc
1. AgeGroupType	char(2)		Source category for the age groups.
2. AgeGroup	char(2)	Primary Key	Code identifying the age group.
3. AgeGroupDesc	char(20)		Age group description.
Constraints			
1. Foreign Key (AgeGroups.AgeGroupType) references (AgeGroupTypes.AgeGroupType)			

AgeGroupTypes

The source of the age group listed in the AgeGroups table.

FieldName	FieldType	Constraint	FieldDesc
1. AgeGroupType	char(2)	Primary Key	Code for the age group source category.
2. SourceCategory	char(35)		Description of the age group source.

AnnualSalesCodes 

This table contains the annual sales codes used in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. AnnSalesCode	char(1)	Primary Key	Annual sales code.
2. AnnSalesDesc	varchar(40)		Description of the annual sales code.

AnnualSalesRanges 

A table of annual sales value ranges for the employers in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. AnnSalesRange	char(2)	Primary Key	Code for the annual sales range.
2. AnnRangeDesc	varchar(40)		

AreaTypes 

A table containing identifiers for the geographic type, e.g.. MSA, SDA, county, city, township, etc.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeName	varchar(200)		Descriptive title of the areatype.
Constraints			
1. Foreign Key (AreaTypes.StFips) references (StateFips.StFips)			

AreaTypeVersions

A table for tracking series-breaking changes in area definitions, particularly MSAs

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	For AreaTypes that change periodically, an indication of vintage.
4. AreaTypeVersionNotes	varchar(500)		Descriptive content about the AreaTypeVersion.

Constraints

1. Foreign Key (AreaTypeVersions.StFips, AreaTypeVersions.AreaType) references (AreaTypes.StFips, AreaTypes.AreaType)

BEDTypes

A table of business employment dynamics data types.

FieldName	FieldType	Constraint	FieldDesc
1. BEDTypeCode	char(1)	Primary Key	Indicator of the type of data.
2. BEDTypeDesc	varchar(60)		Description of the BED data type.

Benchmark

This table contains benchmark years used in revised data such as CES and LAUS.

FieldName	FieldType	Constraint	FieldDesc
1. Benchmark	char(4)	Primary Key	Benchmark year used in the LaborForce and CES tables.
2. BenchmarkDesc	varchar(60)		Benchmark year description.

BLSEducation

Table of BLS education categories.

FieldName	FieldType	Constraint	FieldDesc
1. EduCategory	char(1)	Primary Key	Code assigned to the education category by BLS
2. EducationDesc	varchar(35)		Description of the education category

BLSTrainingCodes

A table of codes for the BLS training category for occupations.

FieldName	FieldType	Constraint	FieldDesc
1. TrainingCode	char(1)	Primary Key	Code assigned to the on-the-job training category by BLS
2. TrainingDesc	varchar(75)		Description of the on-the-job category

CareerClusters

This table contains a listing of the Department of Education Career Clusters.

FieldName	FieldType	Constraint	FieldDesc
1. CodeType	char(2)	Primary Key	
2. ClusterCode	char(2)	Primary Key	Career Cluster code
3. ClusterTitle	varchar(200)		Title of the Career Cluster
4. ClusterDesc	varchar(max)		Description of the Career Cluster
Constraints			
1. Foreign Key (CareerClusters.CodeType) references (OccCodeTypes.CodeType)			

CareerPaths

A table of the Department of Education Career Pathways.

FieldName	FieldType	Constraint	FieldDesc
1. CodeType	char(2)	Primary Key	
2. PathCode	char(4)	Primary Key	Career Pathway code
3. PathTitle	varchar(200)		Title of the Career Pathway
Constraints			
1. Foreign Key (CareerPaths.CodeType) references (OccCodeTypes.CodeType)			

CESCodes 

The table of Current Employment Statistics codes.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	
2. SeriesCodeType	char(2)	Primary Key	
3. SeriesCode	char(8)	Primary Key	Industry Series Code
4. SeriesTitle	varchar(100)		Long title used to describe industry division.
5. SeriesTitleLong	varchar(200)		
6. SeriesDesc	varchar(max)		Description of the industries comprising the series.
7. SeriesLevel	char(1)		Optional report indentation level.
Constraints			
1. Foreign Key (CESCodes.SeriesCodeType) references (IndCodeTypes.CodeType)			

CIPCodes

A table of the current Classification of Instructional Programs (CIP) codes, including 2, 4 and 6-digit codes.

FieldName	FieldType	Constraint	FieldDesc
1. CIPCodeType	char(2)	Primary Key	A code describing the CIP version classification code
2. CIPCode	char(10)	Primary Key	A 10-digit code assigned to a Classification of Instructional Programs (CIP) program title.
3. CIPTitle	varchar(100)		The instructional program title used to organize training related data, i.e., enrollments, completers, placement.
4. CIPTitleLong	varchar(200)		
5. CIPDesc	varchar(max)		A definition of the curriculum included in an instructional program.
6. CIPLevel	char(1)		Indicator of the hierarchical level of the CIP code.
Constraints			
1. Foreign Key (CIPCodes.CIPCodeType) references (OccCodeTypes.CodeType)			

ClassTime

The table of class time codes.

FieldName	FieldType	Constraint	FieldDesc
1. ClassTime	char(1)	Primary Key	Class time code.
2. ClassTimeTitle	varchar(40)		Description or title of the class time.

CompleterTypes

The table of program completer types, by state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. CompleterType	char(2)	Primary Key	A 2-digit code representing type of program completer.
3. CompleterTitle	varchar(40)		Title of type of program completer.
4. CompleterDesc	varchar(max)		Description of type of program completer.
Constraints			
1. Foreign Key (CompleterTypes.StFips) references (StateFips.StFips)			

ContactProTitles

The table of contact professional titles.

FieldName	FieldType	Constraint	FieldDesc
1. ContactProTitle	char(3)	Primary Key	Contact's professional title.
2. ContactProDesc	varchar(35)		Description of the contact's professional title.

ContactTitles

The table of the contact title codes.

FieldName	FieldType	Constraint	FieldDesc
1. ContactTitleCode	char(1)	Primary Key	Contact title code.
2. ContactTitleDesc	varchar(35)		Contact's descriptive title.

CPIItems

A table of market basket items included in the CPI.

FieldName	FieldType	Constraint	FieldDesc
1. CPIItem	char(9)	Primary Key	Code for the items in the Index
2. ItemDesc	varchar(100)		Description of the items in the index (e.g., all items, food, energy, etc.)

CPISources

Table of codes for the source of Consumer Price Index data.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. CPISource	char(1)	Primary Key	Source code for CPI data.
3. CPISourceDesc	varchar(40)		Description of CPI source.
Constraints			
1. Foreign Key (CPISources.StFips) references (StateFips.StFips)			

CPITypes

The table of Consumer Price Index (CPI) types of measure.

FieldName	FieldType	Constraint	FieldDesc
1. CPIType	char(2)	Primary Key	A 2-digit code assigned to the type of CPI measure.
2. CPITitle	varchar(55)		Title of the CPI measure.
3. CPIDesc	varchar(200)		Description of the CPI measure.

CreditCodes

The table of credit codes, used in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. CreditCode	char(1)	Primary Key	Credit code
2. CreditDesc	varchar(max)		Description of types of credit codes.

EmpDBInf

This table contains information about the current installed version of the empdb file.

FieldName	FieldType	Constraint	FieldDesc
1. ReleaseNumber	char(3)	Primary Key	Empdb release number.
2. ReleaseMonth	char(2)		Release month.
3. ReleaseYear	char(4)		Release year.
4. CopyrightYear	char(4)		Copyright year.
5. ContractYear	char(4)		Contract year.
6. EditionYear	char(4)		Edition year.

EmpSizeFlag

A table of employment size flag codes used in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. EmpSizeFlag	char(1)	Primary Key	Code for the size flag
2. EmpFlagDesc	varchar(50)		Description of the size flag.

EmpSizeRange

A table of size range codes used in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. EmpSizeRange	char(2)	Primary Key	Code for the size range.
2. EmpRangeDesc	varchar(40)		Description of the size range.

EthnicityCodes

A table for ethnicity codes.

FieldName	FieldType	Constraint	FieldDesc
1. EthnicityCode	char(1)	Primary Key	Code assigned to the ethnicity category
2. EthnicityDesc	varchar(35)		Description of the ethnicity code

Experience

Table of experience needed codes from BLS.

FieldName	FieldType	Constraint	FieldDesc
1. ExperienceCode	char(1)	Primary Key	Code assigned to the work experience category by BLS
2. ExperienceDesc	varchar(20)		Description of the experience code

Genders

A table containing codes for identifying gender of UI Claimants.

FieldName	FieldType	Constraint	FieldDesc
1. GenderCode	char(1)	Primary Key	Gender code.
2. GenderDesc	varchar(12)		Gender description.

Geographies 

A table containing geographic area descriptor records.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. AreaName	varchar(100)		Geographic area name.
6. AreaDesc	varchar(max)		Narrative description of a geographic area.
7. Latitude	numeric(11,6)		geographic coordinate specifying north-south position on the Earth
8. Longitude	numeric(11,6)		geographic coordinate specifying east-west position on the Earth
9. GeoPrecisionCode	char(1)	2	geocode precision level code. The precision of the longitude and latitude coordinates.

Constraints

1. Foreign Key (Geographies.StFips) references (StateFips.StFips)
2. Foreign Key (Geographies.GeoPrecisionCode) references (GeoPrecisionCodes.GeoPrecisionCode)
3. Foreign Key (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion) references (AreaTypeVersions.StFips, AreaTypeVersions.AreaType, AreaTypeVersions.AreaTypeVersion)

GeoPrecisionCodes

A table of the levels of precision possible for the geocode.

FieldName	FieldType	Constraint	FieldDesc
1. GeoPrecisionCode	char(1)	Primary Key	Code for the precision level of the geocode.
2. GeoPrecisionDesc	varchar(40)		Description of the precision geocode.

GrowthCodes

A table of state-specific growth codes describing an industry or occupation.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. GrowthCode	char(2)	Primary Key	Code for the state-specific growth descriptor.
3. GrowthDesc	varchar(20)		Brief description interpreting the growth of the industry or occupation.
Constraints			
1. Foreign Key (GrowthCodes.StFips) references (StateFips.StFips)			

IncomeSources

Codes for the source of income and population estimates for the income table.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. IncomeSource	char(1)	Primary Key	Source Code for income data.
3. IncomeSourceDesc	varchar(40)		Description of income source.
Constraints			
1. Foreign Key (IncomeSources.StFips) references (StateFips.StFips)			

IncomeTypes

A table containing types of income measures.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. IncomeType	char(2)	Primary Key	Code for the type of income measure.
3. IncomeDesc	varchar(75)		Income measure description.
Constraints			
1. Foreign Key (IncomeTypes.StFips) references (StateFips.StFips)			

IndCodeTypes

The table of industry code types used throughout the WID database.

FieldName	FieldType	Constraint	FieldDesc
1. CodeType	char(2)	Primary Key	Code describing the type of industry classification code.
2. CodeTypeDesc	varchar(40)		Title of classification Code.

IndDirectories

A table containing a directory of MicroMatrix level industry codes for which projections are performed.

FieldName	FieldType	Constraint	FieldDesc
1. MatrixIndCode	char(15)	Primary Key	Industry code from Micro Matrix.
2. PeriodYear	char(4)	Primary Key	Character representation of the calendar year (e.g. 2021).
3. PeriodType	char(2)	Primary Key	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
4. Period	char(2)	Primary Key	Period Code. Will be set to 00 where periodtype in annual based.
5. ProjectedYear	char(4)	Primary Key	
6. MatrixIndTitle	varchar(200)		Industry title.
7. SubTotal	char(1)		Sum level of the information
8. Ownership	char(2)		A 2-digit indicator that identifies the employer by public or_x000D_ private ownership.

IndOccSpecialIDs

A table that identifies industries and occupations that are in special categories, such as Green jobs, high-tech., etc.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 2,4	State FIPS code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. IndCodeType	char(2)	Primary Key 4	Code describing the industry code type.
7. IndCode	char(10)	Primary Key 4	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
8. OccCodeType	char(2)	Primary Key 2	Code describing the type of occupational coding system
9. OccCode	char(10)	Primary Key 2	The occupational classification code used by the state for this data element. This code could be a DOT, OEWS, SOC, CENSUS, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
10. SpecialID	char(3)	Primary Key 3	Code for the type of job, e.g. Green, STEM, etc.
11. Score	float		

Constraints

1. Foreign Key (IndOccSpecialIDs.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (IndOccSpecialIDs.StFips, IndOccSpecialIDs.OccCodeType, IndOccSpecialIDs.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
3. Foreign Key (IndOccSpecialIDs.SpecialID) references (SpecialIDs.SpecialID)
4. Foreign Key (IndOccSpecialIDs.StFips, IndOccSpecialIDs.IndCodeType, IndOccSpecialIDs.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
5. Foreign Key (IndOccSpecialIDs.StFips, IndOccSpecialIDs.AreaType, IndOccSpecialIDs.AreaTypeVersion, IndOccSpecialIDs.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

IndSubLevels

A table containing a lookup of industry sum level information.

FieldName	FieldType	Constraint	FieldDesc
1. SubTotal	char(1)	Primary Key	Sum level of the information.
2. SubTotalDesc	varchar(60)		Sum level description.

IndustryCodes

Master table of industry code type/code combinations, allowing multiple classification systems to be used.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS Code.
2. CodeType	char(2)	Primary Key	Code describing the type of industry classification code.
3. Code	char(10)	Primary Key	The classification code used by the state for this data element. This could be a SIC or NAICS code. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
4. CodeTitle	varchar(200)		The descriptive title for this industry code.

Constraints

1. Foreign Key (IndustryCodes.StFips) references (StateFips.StFips)
2. Foreign Key (IndustryCodes.CodeType) references (IndCodeTypes.CodeType)

InstitutionOwnerships

A table of training institution ownership codes and descriptions.

FieldName	FieldType	Constraint	FieldDesc
1. InstitutionOwnership	char(1)	Primary Key	
2. InstitutionOwnershipDesc	varchar(40)		

InstitutionTypes

The table of institution types in a state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code
2. InstitutionType	char(2)	Primary Key	
3. InstitutionTypeDesc	varchar(50)		
Constraints			
1. Foreign Key (InstitutionTypes.StFips) references (StateFips.StFips)			

JOLTSTypes

Types of the JOLTS numbers

FieldName	FieldType	Constraint	FieldDesc
1. JOLTSTypeCode	char(2)	Primary Key	Code of the JOLTS data
2. JOLTSTypeDesc	varchar(100)		Description of the JOLTS data.

LayTitles

A table of lay titles and codes.

FieldName	FieldType	Constraint	FieldDesc
1. LayTitleCode	char(5)	Primary Key	Lay title code
2. LayTitle	varchar(200)		Lay title associated with an occupation.

LengthTypes

A table of training program lengths.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code
2. LengthType	char(2)	Primary Key	The identifying code assigned to the program length.
3. LengthTypeDesc	varchar(40)		A description of the length of the assigned program length code.
Constraints			
1. Foreign Key (LengthTypes.StFips) references (StateFips.StFips)			

LicenseActiveStatuses

Lookup table of the active status of the license			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LicenseActiveStatus	char(1)	Primary Key	Indicator of license status
2. ActiveStatusDesc	varchar(25)		Description of license status

LicenseCertifications

Lookup table of the certification requirements of the license			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LicenseCertification	char(1)	Primary Key	Indicator of license certification requirements
2. CertificationDesc	varchar(60)		Description of license certification requirements

LicenseContinuingEdu

Lookup table of the continuing education requirements of the license			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LicenseContinuingEdu	char(1)	Primary Key	Indicator of license continuing education requirements
2. ContinuingEduDesc	varchar(50)		Description of continuing education requirements for license

LicenseCriminal

Lookup table of licensing restrictions on criminal records			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LicenseCriminal	char(1)	Primary Key	Indicator of criminal records requirements for the license
2. CriminalDesc	varchar(50)		Description of the criminal records requirements for the license

LicenseEducation

Lookup table of the education requirements of the license

FieldName	FieldType	Constraint	FieldDesc
1. LicenseEducation	char(1)	Primary Key	Indicator of educational requirements for the license
2. EducationDesc	varchar(25)		Description of the educational requirements

LicenseExams

Lookup table of the exam requirements of the license

FieldName	FieldType	Constraint	FieldDesc
1. LicenseExam	char(1)	Primary Key	Indicator of exams required for the license
2. ExamDesc	varchar(50)		Description of the exam requirements

LicenseExperience

Lookup table of the experience requirements of the license

FieldName	FieldType	Constraint	FieldDesc
1. LicenseExperience	char(1)	Primary Key	Indicator of experience required for the license
2. ExperienceDesc	varchar(25)		Description of the experience required

LicenseNumberTypes

The table of type codes used in the lichist table.

FieldName	FieldType	Constraint	FieldDesc
1. LicenseNumberType	char(2)	Primary Key	Code for the type of statistic.
2. NumberDesc	varchar(50)		Description of the type of statistic.

LicensePhysicalReqs

Lookup table of physical requirements of the license

FieldName	FieldType	Constraint	FieldDesc
1. LicensePhysicalReq	char(1)	Primary Key	Indicator of the physical requirements for the license
2. PhysicalReqDesc	varchar(50)		Description of the physical requirements

LicenseTypes

Look-up table for the indicators of the type of license

FieldName	FieldType	Constraint	FieldDesc
1. LicenseType	char(1)	Primary Key	Code for the license type
2. TypeDesc	varchar(50)		Description of the license type

LicenseVeteran

Codes indicating the veteran preference for a license			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LicenseVeteran	char(1)	Primary Key	Code indicating any veteran's preference of the license
2. VeteranDesc	varchar(100)		Description of the veteran preferences

LocationStatuses

The table of location status code types used in the empdb table.			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. LocationStatusCode	char(1)	Primary Key	Code for the location status.
2. LocationStatusDesc	varchar(40)		Description of the location status.

NAICSCodes

The table of North American Industry Classification System codes.			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. NAICSCodeType	char(2)	Primary Key	
2. NAICSCode	char(6)	Primary Key	A code used in the North American Industry Classification System (NAICS).
3. NAICSTitle	varchar(100)		Title assigned to the NAICS code.
4. NAICSTitleLong	varchar(200)		
5. NAICSTitleDesc	varchar(max)		
6. NAICSLevel	char(1)	2	A code that indicates the hierarchical level of the NAICS industry code.
7. NAICSSector	char(2)	1	
8. Flag	char(1)		
Constraints			
1. Foreign Key (NAICSCodes.NAICSSector) references (NAICSSectors.NAICSSector)			
2. Foreign Key (NAICSCodes.NAICSLevel) references (NAICSLevels.NAICSLevel)			
3. Foreign Key (NAICSCodes.Flag) references (CodeFlags.Flag)			

NAICSDomains

A table of NAICS Domains, aggregations of Supersectors as defined by BLS extensions of NAICS.

FieldName	FieldType	Constraint	FieldDesc
1. NAICSDomain	char(3)	Primary Key	
2. DomainTitle	varchar(25)		Title assigned to the Domain.

NAICSLevels

A table of the hierarchical level of the codes in the North American Industry Classification System (NAICS).

FieldName	FieldType	Constraint	FieldDesc
1. NAICSLevel	char(1)	Primary Key	A code that indicates the hierarchical level of the NAICS industry code.
2. LevelDesc	varchar(40)		A description of the hierarchical level of the NAICS industry code.

NAICSSectors

The table of North American Industry Classification System (NAICS) industry Sectors.

FieldName	FieldType	Constraint	FieldDesc
1. NAICSSector	char(2)	Primary Key	
2. SectorDesc	varchar(45)		A short description of the NAICS industry sector.
3. SectorDescLong	varchar(120)		
4. NAICSSuper	char(4)		
Constraints			
1. Foreign Key (NAICSSectors.NAICSSuper) references (NAICSSuperSectors.NAICSSuper)			

NAICSSuperSectors

The table of NAICS Supersectors, defined by BLS official extensions to NAICS.

FieldName	FieldType	Constraint	FieldDesc
1. NAICSSuper	char(4)	Primary Key	
2. SuperTitle	varchar(35)		Title assigned to the Supersector.
3. NAICSDomain	char(3)		
Constraints			
1. Foreign Key (NAICSSuperSectors.NAICSDomain) references (NAICSDomains.NAICSDomain)			

OccCodeTypes

The table of occupation and training code types used in the WID database.

FieldName	FieldType	Constraint	FieldDesc
1. CodeType	char(2)	Primary Key	Code describing the type of occupation or training classification code.
2. CodeTypeDesc	varchar(40)		Title of classification Code.

OccDirectories

A table of Micro Matrix occupation codes for which projections are performed.

FieldName	FieldType	Constraint	FieldDesc
1. MatrixOccCode	char(10)	Primary Key	Occupation code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
2. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2021).
3. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
4. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype in annual based.
5. ProjectedYear	char(4)	Primary Key	
6. MatrixOccTitle	varchar(200)		Occupation title.
7. SubTotal	char(1)		Sum level of the information

Constraints

1. Foreign Key (OccDirectories.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (OccDirectories.PeriodType, OccDirectories.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (OccDirectories.SubTotal) references (OccSubLevels.SubTotal)

OccSubLevels

A table of occupation summary level information.

FieldName	FieldType	Constraint	FieldDesc
1. SubTotal	char(1)	Primary Key	Sum level of the information.
2. SubTotalDesc	varchar(60)		Sum level description.

OccupationCodes

Master table of occupation or training code type/code combination, allowing multiple codes systems to be used.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS Code.
2. CodeType	char(2)	Primary Key	Code describing the type of occupation or training classification code.
3. Code	char(10)	Primary Key	The classification code used by the state for this data element. This could be a CIP, DOT, OEWS, SOC or other occupational code. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. CodeTitle	varchar(200)		The descriptive title for this occupation or training code.

Constraints

1. Foreign Key (OccupationCodes.StFips) references (StateFips.StFips)
2. Foreign Key (OccupationCodes.CodeType) references (OccCodeTypes.CodeType)

ONETCodes

The table of O*NET codes and their descriptions.

FieldName	FieldType	Constraint	FieldDesc
1. ONETCodeType	char(2)	Primary Key	Code type for the O*NET code.
2. ONETCode	char(8)	Primary Key	A 6 or 8-digit code* assigned to the Occupational Information Network (O*NET) occupational title. For codes not 8 characters long, left justify and blank (ASCII 32) fill.
3. ONETYear	char(4)		O*NET code version year.
4. ONETTitle	varchar(200)		Title of O*NET Code.
5. ONETDesc	varchar(max)		Description of the specified O*NET code.

Constraints

1. Foreign Key (ONETCodes.ONETCodeType) references (OccCodeTypes.CodeType)

Ownerships

The table of codes for each type of ownership.

FieldName	FieldType	Constraint	FieldDesc
1. Ownership	char(2)	Primary Key	A 2-digit indicator that identifies the employer by public or private ownership.
2. OwnerTitle	varchar(40)		Title of ownership.

Periods

The table of time periods used in the WID.

FieldName	FieldType	Constraint	FieldDesc
1. PeriodType	char(2)	Primary Key	Code describing type of period (e.g. Annual, quarterly, monthly, etc.)
2. Period	char(2)	Primary Key	Period code.
3. PeriodDesc	varchar(25)		Description of the time period
Constraints			
1. Foreign Key (Periods.PeriodType) references (PeriodTypes.PeriodType)			

PeriodTypes

The table of types of time periods used (e.g. Annual, quarterly, hourly, etc.)

FieldName	FieldType	Constraint	FieldDesc
1. PeriodType	char(2)	Primary Key	Code describing type of period (e.g. Annual, quarterly, monthly, etc.)
2. PeriodTypeDesc	varchar(40)		A description of the period type.

PeriodYears

A list of valid years for data.

FieldName	FieldType	Constraint	FieldDesc
1. PeriodYear	char(4)	Primary Key	The year for data.

PopulationSources

A Table of the codes of the source of population estimates.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. PopSource	char(1)	Primary Key	Source code for population data.
3. PopSourceDesc	varchar(40)		Description of population source.
Constraints			
1. Foreign Key (PopulationSources.StFips) references (StateFips.StFips)			

PrivateGovt

A table of private/government status codes used in the empdb.

FieldName	FieldType	Constraint	FieldDesc
1. Ownership	char(1)	Primary Key	Code for the private/government status code.
2. PrvGovDesc	varchar(15)		Description of the code.

RaceCodes

Table of races used in demographics

FieldName	FieldType	Constraint	FieldDesc
1. RaceCode	char(2)	Primary Key	Code representing race for demographics
2. RaceDesc	varchar(35)		Description of the race code

SalesTypes

A table of sales statistic types.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. SalesType	char(2)	Primary Key	A code that represents the sales type.
3. SalesTypeDesc	varchar(40)		A description of the sales type.
Constraints			
1. Foreign Key (SalesTypes.StFips) references (StateFips.StFips)			

SOCCodes

The table of the current Standard Occupational Classification (SOC) codes.

FieldName	FieldType	Constraint	FieldDesc
1. SOCCodeType	char(2)	Primary Key 1,2	A code describing the SOC version classification code
2. SOCCode	char(6)	Primary Key 1,2	A 6-digit code assigned to the SOC occupational title from the current SOC Classification System.
3. SOCTitle	varchar(100)		The title assigned to that SOC occupation. *Note: No standard short titles are currently available.
4. SOCTitleLong	varchar(200)		
5. SOCDesc	varchar(max)		A narrative description of the SOC occupational title.
6. Education	char(1)		Typical education needed for entry into the occupation
7. Experience	char(1)	4	
8. Training	char(1)	5	On-the-job training needed to attain competency in the occupation
9. Flag	char(1)	3	
10. SOCParent	char(6)	1	Parent SOC code to use for rollup.

Constraints

1. Foreign Key (SOCCodes.SOCCodeType, SOCCodes.SOCParent) references (SOCCodes.SOCCodeType, SOCCodes.SOCCode)
2. Foreign Key (SOCCodes.SOCCodeType) references (OccCodeTypes.CodeType)
3. Foreign Key (SOCCodes.Flag) references (CodeFlags.Flag)
4. Foreign Key (SOCCodes.Experience) references (Experience.ExperienceCode)
5. Foreign Key (SOCCodes.Training) references (BLSTrainingCodes.TrainingCode)
6. Foreign Key (SOCCodes.Education) references (BLSEducation.EduCategory)

SpecialIDs

Table of special types of jobs, such as Green, STEM, etc.

FieldName	FieldType	Constraint	FieldDesc
1. SpecialID	char(3)	Primary Key	The code for the special job type
2. SpecialIDDesc	varchar(40)		The special ID description

StateFips

The table of State FIPS codes.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS code.
2. StateName	varchar(20)		State name.
3. Abreviation	char(2)		

StateProgramCode

A table for State-specific training program codes.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS Code
2. CodeType	char(2)	Primary Key	A code describing the State classification code. NOTE that this should be set to '09', or issues could occur with the occcodes table.
3. Code	char(10)	Primary Key	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. Title	varchar(200)		The program title represented by the code.
5. CIPCode	char(10)		A 10-digit code assigned to a Classification of Instructional Programs (CIP) program title.
6. CIPCodeType	char(2)		A code describing the version of the CIP code.
7. TitleDesc	varchar(max)		The program description.

Constraints

1. Foreign Key (StateProgramCode.StFips) references (StateFips.StFips)
2. Foreign Key (StateProgramCode.StFips, StateProgramCode.CIPCodeType, StateProgramCode.CIPCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)

StockExchange

A table of the stock exchange codes used in the empdb table.

FieldName	FieldType	Constraint	FieldDesc
1. StockExchangeCode	char(1)	Primary Key	Stock Exchange code.
2. StockExchangeDesc	varchar(40)		Description of the stock exchange code.

SubGeographies

A table of substate geographic areas and the larger areas that contain the areas.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key 1	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 1	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 1	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. SubStFips	char(2)	Primary Key 1	A 2-digit code assigned to represent a substate FIPS code.
6. SubAreaType	char(2)	Primary Key 1	A 2-digit code assigned to represent the type of substate area.
7. SubAreaTypeVersion	char(4)	Primary Key 1	Code indicating the area type version. Default = 0
8. SubArea	char(6)	Primary Key 1	A 6-digit code assigned to represent the name of the substate area.

Constraints

1. Foreign Key (SubGeographies.SubStFips, SubGeographies.SubAreaType, SubGeographies.SubAreaTypeVersion, SubGeographies.SubArea) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
2. Foreign Key (SubGeographies.StFips, SubGeographies.AreaType, SubGeographies.AreaTypeVersion, SubGeographies.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

TaxTypes

A table of the types of tax collected by a state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code
2. TaxType	char(2)	Primary Key	A 2-digit code identifying the type of tax.
3. TaxTypeDesc	varchar(75)		A description of the tax.

Constraints

1. Foreign Key (TaxTypes.StFips) references (StateFips.StFips)

TransferPaymentTypes

A table of the types of government transfer payments received.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. PaymentType	char(2)	Primary Key	A 2-digit code identifying the government payment type.
3. PaymentTypeDesc	varchar(40)		
Constraints			
1. Foreign Key (TransferPaymentTypes.StFips) references (StateFips.StFips)			

UnitTypes

This table contains the building permit types, by state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. UnitType	char(2)	Primary Key	Code for the type of building permit.
3. UnitTypeDesc	varchar(60)		Description of building permit.
Constraints			
1. Foreign Key (UnitTypes.StFips) references (StateFips.StFips)			

WageRateTypes

A table of wage rate types (e.g. hourly, weekly, monthly, annually).

FieldName	FieldType	Constraint	FieldDesc
1. RateType	char(1)	Primary Key	Code which identifies the type of wage rate.
2. RateTypeDesc	varchar(40)		A description of the type of wage rate.

WageRateTypes

A table of wage rate types (e.g. hourly, weekly, monthly, annually).

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. WageSource	char(1)	Primary Key	A code representing the source of wage data.
3. WageSourceDesc	varchar(60)		A description of the source of the wage data.
Constraints			
1. Foreign Key (WageSources.StFips) references (StateFips.StFips)			

Data Tables

BED

Table of private sector business employment dynamics data, showing job losses and gains due to expansion, contraction, new and closed business.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3,4	State FIPS Code
2. AreaType	char(2)	Primary Key 4	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 4	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 4	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. IndCodeType	char(2)	Primary Key 3	Code for the type of industry: 05 = SIC; 10 = NAICS
9. IndCode	char(10)	Primary Key 3	The industry code.
10. Adjusted	char(1)	Primary Key	Indicates whether data is seasonally adjusted: 0 = Not Adjusted; 1 = Adjusted
11. BEDTypeCode	char(1)	Primary Key	Indicator of the type of data.
12. BEDEmp	numeric(12,0)		Amount of employment gain/loss
13. BEDEmpPercent	numeric(4,1)		Percent employment gain/loss
14. BEDEstabs	numeric(12,0)		Number of establishments involved in gain/loss
15. BEDEstabPercent	numeric(4,1)		
16. Suppress	char(1)		An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Suppressed; 1 = Suppressed

Constraints

1. Foreign Key (BED.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (BED.PeriodType, BED.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (BED.StFips, BED.IndCodeType, BED.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
4. Foreign Key (BED.StFips, BED.AreaType, BED.AreaTypeVersion, BED.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
5. Foreign Key (BED.BEDTypeCode) references (BEDTypes.BEDTypeCode)

BuildingPermits

Table of building permits awarded per area and time period.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. UnitType	char(2)	Primary Key 1	Code for the type of building permit.
9. Units	numeric(7,0)		Number of building permits.
10. UnitCost	numeric(12,0)		Building construction cost.

Constraints

1. Foreign Key (BuildingPermits.StFips, BuildingPermits.UnitType) references (UnitTypes.StFips, UnitTypes.UnitType)
2. Foreign Key (BuildingPermits.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (BuildingPermits.PeriodType, BuildingPermits.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (BuildingPermits.StFips, BuildingPermits.AreaType, BuildingPermits.AreaTypeVersion, BuildingPermits.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

CES

Employment estimates as reported by the CES.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 4	State FIPS Code
2. AreaType	char(2)	Primary Key 4	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 4	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 4	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. SeriesCodeType	char(2)	Primary Key 3,5	
9. SeriesCode	char(8)	Primary Key 3,5	Industrial Series code.
10. Adjusted	char(1)	Primary Key	Indicates if record contains seasonally adjusted data. 1 = adjusted; 0 = not adjusted
11. Benchmark	char(4)		Benchmark year of the data.
12. Prelim	char(1)		Preliminary/revised flag. 0 = Not Preliminary; 1 = Preliminary
13. EmpCES	numeric(9,0)		Number employed by place of work; actual number, not in thousands.
14. EmpProductionWorkers	numeric(9,0)		Number of Production workers;
15. EmpFemaleWorkers	numeric(9,0)		
16. HoursPerWeek	numeric(3,1)		Average hours worked per week.
17. EarningsPerWeek	numeric(8,2)		Average weekly earnings.
18. EarningsPerHour	numeric(6,2)		Average hourly earnings.
19. SuppRecord	char(1)		Suppress total record. 1 = Suppressed; 0 = Not Suppressed
20. SuppHoursEarnings	char(1)		
21. SuppProdWorkers	char(1)		
22. SuppFemaleWorkers	char(1)		
23. HoursAllWorkers	numeric(3,1)		Average hours worked per week for all workers.
24. EarningsAllWorkers	numeric(8,2)		Average weekly earnings for all workers.

25. HourlyEarningsAllWorkers	numeric(6,2)	Average hourly earnings for all workers.
26. SuppHEAllWrkr	char(1)	Suppress hours and earnings for all workers: 0 = not suppressed; 1 = suppressed

Constraints
1. Foreign Key (CES.PeriodYear) references (PeriodYears.PeriodYear) 2. Foreign Key (CES.PeriodType, CES.Period) references (Periods.PeriodType, Periods.Period) 3. Foreign Key (CES.SeriesCodeType) references (IndCodeTypes.CodeType) 4. Foreign Key (CES.StFips, CES.AreaType, CES.AreaTypeVersion, CES.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area) 5. Foreign Key (CES.StFips, CES.SeriesCodeType, CES.SeriesCode) references (CESCodes.StFips, CESCodes.SeriesCodeType, CESCodes.SeriesCode) 6. Foreign Key (CES.Benchmark) references (Benchmark.Benchmark)

Commute

Commuting patterns, by and to geographic areas.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3	State FIPS Code
2. AreaType	char(2)	Primary Key 3	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 3	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 3	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. WorkStFips	char(2)	Primary Key 3	State FIPS Code of workplace.
9. WorkAreaType	char(2)	Primary Key 3	Area type code for workplace.
10. WorkAreaTypeVersion	char(4)	Primary Key 3	Code indicating the area type version. Default = 0
11. WorkArea	char(6)	Primary Key 3	Area code for workplace.
12. Workers	numeric(8,0)		Number of workers.

Constraints

1. Foreign Key (Commute.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (Commute.PeriodType, Commute.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (Commute.WorkStFips, Commute.WorkAreaType, Commute.WorkAreaTypeVersion, Commute.WorkArea) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
4. Foreign Key (Commute.StFips, Commute.AreaType, Commute.AreaTypeVersion, Commute.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

CPI

Table of Consumer Price Indices.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3	State FIPS Code
2. AreaType	char(2)	Primary Key 3	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 3	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 3	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. CPIType	char(2)	Primary Key 4	Type of CPI measure.
9. CPISource	char(1)	Primary Key	Source of the CPI measure.
10. CPI	numeric(8,3)	4	CPI measure.
11. PctChangeY2Y	numeric(6,1)		The percent change in the CPI from the period exactly one year ago to the current period.
12. PctChangeM2M	numeric(6,1)		The percent change in the CPI from the period exactly one month ago to the current month.

Constraints

1. Foreign Key (CPI.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (CPI.PeriodType, CPI.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (CPI.StFips, CPI.AreaType, CPI.AreaTypeVersion, CPI.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
4. Foreign Key (CPI.CPIType) references (CPITypes.CPIType)
5. Foreign Key (CPI.StFips, CPI.CPISource) references (CPISources.StFips, CPISources.CPISource)

CPIPlus

Enhanced CPI content with more indices and geographies available.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3,4	State FIPS code
2. AreaType	char(2)	Primary Key 3	Code describing type of geographic area: set to '31' for BLS CPI Geographic Area
3. AreaTypeVersion	char(4)	Primary Key 3	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 3	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006)
6. PeriodType	char(2)	Primary Key 2	Code describing the type of period (e.g., annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period code. Will be set to '00' when periodtype is annual.
8. Adjusted	char(1)	Primary Key	Indicates whether record contains seasonally adjusted data: 0 = not adjusted; 1 = adjusted
9. CPIIndex	char(1)	Primary Key	Indicates the index represented: U = All urban consumers; W = Urban wage earners and clerical workers
10. CPIItem	char(9)	Primary Key	Code that identifies market basket items included in the index
11. CPISource	char(1)	Primary Key 4	Source of the CPI measure
12. Basis	char(4)		The 4-digit representation of the terminal year of the base period for the index (Current value is '1984' since the index uses 1982-84 as its base period)
13. CPI	numeric(8,3)	4	CPI measure
14. PctChangeY2Y	numeric(6,1)		
15. PctChangeM2M	numeric(6,1)		

Constraints

1. Foreign Key (CPIPlus.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (CPIPlus.PeriodType, CPIPlus.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (CPIPlus.StFips, CPIPlus.AreaType, CPIPlus.AreaTypeVersion, CPIPlus.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
4. Foreign Key (CPIPlus.StFips, CPIPlus.CPISource) references (CPISources.StFips, CPISources.CPISource)
5. Foreign Key (CPIPlus.CPIItem) references (CPIItems.CPIItem)

Demographics

Table of population estimates and demographic characteristics by geographic area and time period.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	Six-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. PopSource	char(1)	Primary Key 1	Source Code for population data.
9. Population	numeric(9,0)		Number representing the population total for the specified geographic area and time period.
10. Female	numeric(9,0)		Total female population
11. Male	numeric(9,0)		Total male population
12. MedianAge	numeric(4,1)		
13. MedianMale	numeric(4,1)		Male population median age
14. MedianFemale	numeric(4,1)		Female population median age
15. Totalunder5	numeric(9,0)		Total population age under 5
16. Femaleunder5	numeric(9,0)		Female population age under 5
17. Maleunder5	numeric(9,0)		Female population age under 5
18. Total5to9	numeric(9,0)		Total population age 5-9
19. Female5to9	numeric(9,0)		Female population age 5-9
20. Male5to9	numeric(9,0)		Male population age 5-9
21. Total10to14	numeric(9,0)		Total population age 10-14
22. Female10to14	numeric(9,0)		Female population age 10-14
23. Male10to14	numeric(9,0)		Female population age 10-14
24. Total15to19	numeric(9,0)		Total population age 15-19
25. Female15to19	numeric(9,0)		Female population age 15-19
26. Male15to19	numeric(9,0)		Male population age 15-19
27. Total15to17	numeric(9,0)		Total population age 15-17
28. Female15to17	numeric(9,0)		Female population age 15-17
29. Male15to17	numeric(9,0)		Male population age 15-17
30. Total18to19	numeric(9,0)		Total population age 18-19
31. Female18to19	numeric(9,0)		Female population age 18-19

32. Male18to19	numeric(9,0)	Male population age 18-19
33. Total20to24	numeric(9,0)	Total population age 20-24
34. Female20to24	numeric(9,0)	Female population age 20-24
35. Male20to24	numeric(9,0)	Male population age 20-24
36. Total20	numeric(9,0)	Total population age 20
37. Female20	numeric(9,0)	Female population age 20
38. Male20	numeric(9,0)	Male population age 20
39. Total21	numeric(9,0)	Total population age 21
40. Female21	numeric(9,0)	Female population age 21
41. Male21	numeric(9,0)	Male population age 21
42. Total22to24	numeric(9,0)	Total population age 22-24
43. Female22to24	numeric(9,0)	Female population age 22-24
44. Male22to24	numeric(9,0)	Male population age 22-24
45. Total25to34	numeric(9,0)	Total population age 25-34
46. Female25to34	numeric(9,0)	Female population age 25-34
47. Male25to34	numeric(9,0)	Male population age 25-34
48. Total25to29	numeric(9,0)	Total population age 25-29
49. Female25to29	numeric(9,0)	Female population age 25-29
50. Male25to29	numeric(9,0)	Male population age 25-29
51. Total30to34	numeric(9,0)	Total population age 29-34
52. Female30to34	numeric(9,0)	Female population age 29-34
53. Male30to34	numeric(9,0)	Male population age 29-34
54. Total35to44	numeric(9,0)	Total population age 35-44
55. Female35to44	numeric(9,0)	Female population age 35-44
56. Male35to44	numeric(9,0)	Male population age 35-44
57. Total35to39	numeric(9,0)	Total population age 35-39
58. Female35to39	numeric(9,0)	Female population age 35-39
59. Male35to39	numeric(9,0)	Male population age 35-39
60. Total40to44	numeric(9,0)	Total population age 40-44
61. Female40to44	numeric(9,0)	Female population age 40-44
62. Male40to44	numeric(9,0)	Male population age 40-44
63. Total45to54	numeric(9,0)	Total population age 45-54
64. Female45to54	numeric(9,0)	Female population age 45-54
65. Male45to54	numeric(9,0)	Female population age 45-54
66. Total45to49	numeric(9,0)	Total population age 45-49
67. Female45to49	numeric(9,0)	Female population age 45-49
68. Male45to49	numeric(9,0)	Male population age 45-49
69. Total50to54	numeric(9,0)	Total population age 50-54
70. Female50to54	numeric(9,0)	Female population age 50-54
71. Male50to54	numeric(9,0)	Female population age 50-54
72. Total55to59	numeric(9,0)	Total population age 55-59
73. Female55to59	numeric(9,0)	Female population age 55-59
74. Male55to59	numeric(9,0)	Male population age 55-59
75. Total60to64	numeric(9,0)	Total population age 60-64
76. Female60to64	numeric(9,0)	Female population age 60-64
77. Male60to64	numeric(9,0)	Male population age 60-64

78. Total60to61	numeric(9,0)	Total population age 60-61
79. Female60to61	numeric(9,0)	Female population age 60-61
80. Male60to61	numeric(9,0)	Male population age 60-61
81. Total62to64	numeric(9,0)	Total population age 62-64
82. Female62to64	numeric(9,0)	Female population age 62-64
83. Male62to64	numeric(9,0)	Male population age 62-64
84. Total65to69	numeric(9,0)	Total population age 65-74
85. Female65to69	numeric(9,0)	Female population age 65-74
86. Male65to69	numeric(9,0)	Male population age 65-74
87. Total65to66	numeric(9,0)	Total population age 65-66
88. Female65to66	numeric(9,0)	Female population age 65-66
89. Male65to66	numeric(9,0)	Male population age 65-66
90. Total67to69	numeric(9,0)	Total population age 67-69
91. Female67to69	numeric(9,0)	Female population age 67-69
92. Male67to69	numeric(9,0)	Male population age 67-69
93. Total70to74	numeric(9,0)	Total population age 70-74
94. Female70to74	numeric(9,0)	Female population age 70-74
95. Male70to74	numeric(9,0)	Male population age 70-74
96. Total75to84	numeric(9,0)	Total population age 75-84
97. Female75to84	numeric(9,0)	Female population age 75-84
98. Male75to84	numeric(9,0)	Male population age 75-84
99. Total75to79	numeric(9,0)	Total population age 75-79
100. Female75to79	numeric(9,0)	Female population age 75-79
101. Male75to79	numeric(9,0)	Male population age 75-79
102. Total80to84	numeric(9,0)	Total population age 80-84
103. Female80to84	numeric(9,0)	Female population age 80-84
104. Male80to84	numeric(9,0)	Male population age 80-84
105. Total85xx	numeric(9,0)	Total population age 85 and over
106. Female85xx	numeric(9,0)	Female population age 85 and over
107. Male85xx	numeric(9,0)	Male population age 85 and over
108. Total18xx	numeric(9,0)	Total population age 18 and over
109. Female18xx	numeric(9,0)	Female population age 18 and over
110. Male18xx	numeric(9,0)	Male population age 18 and over
111. Total21xx	numeric(9,0)	Total population age 21 and over
112. Female21xx	numeric(9,0)	Female population age 21 and over
113. Male21xx	numeric(9,0)	Male population age 21 and over
114. Total62xx	numeric(9,0)	Total population age 62 and over
115. Female62xx	numeric(9,0)	Female population age 62 and over
116. Male62xx	numeric(9,0)	Male population age 62 and over
117. Onerace	numeric(9,0)	Population: one race
118. White	numeric(9,0)	One race: White
119. Black	numeric(9,0)	One race: Black or African American
120. NAAN	numeric(9,0)	One race: American Indian or Alaskan Native
121. Asian	numeric(9,0)	One race: Asian

122. PacificIslander	numeric(9,0)	One race: Native Hawaiian and Other Pacific Islander
123. Other	numeric(9,0)	One race: Other
124. Twomoraces	numeric(9,0)	Two or more races
125. Hispanic	numeric(9,0)	Hispanic or Latino
126. Hispanicwhite	numeric(9,0)	Hispanic or Latino: White Alone
127. Hispanicblack	numeric(9,0)	Hispanic or Latino: Black or African American
128. Hispanicnaan	numeric(9,0)	Hispanic or Latino: American Indian or Alaskan Native
129. Hispanicasian	numeric(9,0)	Hispanic or Latino: Asian
130. Hispanicpacificisland	numeric(9,0)	
131. Hispanicother	numeric(9,0)	Hispanic or Latino: Some other race alone
132. Hispanic2moreraces	numeric(9,0)	Hispanic or Latino: Two or more races

Constraints

1. Foreign Key (Demographics.StFips, Demographics.PopSource) references (PopulationSources.StFips, PopulationSources.PopSource)
2. Foreign Key (Demographics.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (Demographics.PeriodType, Demographics.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (Demographics.StFips, Demographics.AreaType, Demographics.AreaTypeVersion, Demographics.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

EmpDB

The Employer Database, used for data on individual companies, subject to license agreements between States and the vendor.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	5	State FIPS code of employer's physical location.
2. AreaType	char(2)	5	Always township code '14' for New England states; always county code '04' for all other states.
3. AreaTypeVersion	char(4)	5	Code indicating the area type version. Default = 0
4. Area	char(6)	5	A 3-digit code assigned to county (fips) or township where business is located, front filled with zeroes.
5. UniqueID	char(9)	Primary Key	Employer's unique id assigned by InfoGroup.
6. FEIN	char(9)		Federal Employer Identification Number
7. LastUpdate	char(6)		Date of record's most recent update or verification from Yellow Page compilation or other sources.
8. Name	varchar(35)		Name by which the business is known or under which it conducts business.
9. AddressP	varchar(40)		
10. CityP	varchar(30)		
11. StateP	char(2)		
12. ZipCodeP	char(5)		
13. ZipPlusP	char(4)		
14. Latitude	numeric(11,6)		Employer's physical location - latitude
15. Longitude	numeric(11,6)		Employer's physical location - longitude
16. GeoPrecisionCode	char(1)	4	Employer's physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
17. CensusTract	char(6)		Census tract - A statistical subdivision of a county
18. CensusBlockGrp	char(1)		
19. AddressM	varchar(40)		
20. CityM	varchar(30)		
21. StateM	char(2)		
22. ZipCodeM	char(5)		
23. ZipPlusM	char(4)		
24. AddressL	varchar(40)		
25. CityL	varchar(30)		
26. StateL	char(2)		
27. ZipCodeL	char(5)		

28. ZipPlusL	char(4)		
29. TeleNum	char(10)		Employer's telephone number with area code.
30. ContactLastName	varchar(30)		Contact's last name.
31. ContactFirstName	varchar(30)		Contact's first name.
32. ContactTitle	varchar(35)	1	Contact's title(e.g., HR director, owner, president)
33. ContactTitleCode	char(1)	1	Contact's title code
34. ContactProTitle	char(3)	1	Contact's professional title
35. ContactGender	char(1)		Contact's gender code
36. ContactEmail	varchar(60)		Contact's email address
37. TollFreeTele	char(10)		
38. FaxNumber	char(10)		Employer's fax number.
39. WebURL	varchar(40)		Employer's web site address (URL).
40. BusinessDesc	varchar(45)		Business description(a one-line 'line of business' identifier).
41. PrimarySIC	char(6)		Employer's primary SIC code.
42. SIC2	char(6)		Employer's SIC code #2
43. SIC3	char(6)		Employer's SIC code #3
44. SIC4	char(6)		Employer's SIC code #4
45. SIC5	char(6)		Employer's SIC code #5
46. PrimaryNAICS	char(8)		Employer's primary NAICS code.
47. NAICS2	char(8)		Employer's NAICS code #2
48. NAICS3	char(8)		Employer's NAICS code #3
49. NAICS4	char(8)		Employer's NAICS code #4
50. NAICS5	char(8)		Employer's NAICS code #5
51. Ownership	char(1)	2	Identifies whether the business is a government or private sector entity.
52. LocationStatusCode	char(1)	3	Identifies the business location status.
53. StockExchangeCode	char(1)	1	Stock exchange code identifies the Stock Exchange where the business conducts trading activity.
54. StockTicker	char(6)		Stock "TICKER" symbol is shown for companies that are traded on any public stock exchange or listed in the NASDAQ "over the counter" quotation system or other small exchanges (i.e., Chicago Mercantile).
55. WhiteCollarPct	numeric(4,1)		Percentage of white collar employment
56. WhiteCollarFlag	char(1)		White collar indicator: 1 = Over 50% white collar employment
57. EmpSizeRange	char(2)	6	Code for the number of employees that work at this business location, by range.
58. EmpSizeValue	numeric(9,0)		Number of employees who work at this location of the business.

59. EmpSizeFlag	char(1)	7	Code identifying how the employment (empsizval) was derived.
60. AnnualSalesRange	char(2)	1	
61. AnnualSales	varchar(15)	1	Estimated annual sales volume of the business at this location.
62. AnnualSalesFlag	char(1)		
63. YearEst	char(4)		Year the business at this location was established or identified and added to the database.
64. CreditCode	char(1)	9	Credit rating code: an indicator of a business' financial status, or probable ability to pay. These are modeled; they do not reflect actual payment history. Users must be cautioned that these credit rating indicators should not be the sole factor in making a credit decision.
65. HeadQuartersID	char(9)		The uniqueid of the regional or subsidiary headquarters of the business to which this record pertains.
66. ParentID	char(9)		The uniqueid of the corporate parent of the business to which this record pertains. This may be the immediate or a higher level U.S. corporate parent of the business.
67. UltimateParentID	char(9)		The uniqueid of the ultimate corporate parent to which this record pertains. This may be a higher level U.S. or foreign corporate parent of the business. Since all locations of a business have the same ultimate parent number, this field provides 'corporate ownership' linkage information.
68. ForeignParentFlag	char(1)		Foreign parent indicator. A '1' = foreign affiliation.
69. ExportImportFlag	char(1)		Export Import indicator code Indicates the type of services provided.
70. BusinessType	char(1)		Code helps identify if the record represents a professional individual versus a firm.
71. WorkAtHome	char(1)		Work-at-home business. A '1' indicates a home business.
72. ReleaseNumber	char(3)	8	empdb release number
Constraints			
1. Foreign Key (EmpDB.StockExchangeCode) references (StockExchange.StockExchangeCode) 2. Foreign Key (EmpDB.Ownership) references (PrivateGovt.Ownership) 3. Foreign Key (EmpDB.LocationStatusCode) references (LocationStatuses.LocationStatusCode)			

4. Foreign Key (EmpDB.GeoPrecisionCode) references (GeoPrecisionCodes.GeoPrecisionCode)
5. Foreign Key (EmpDB.StFips, EmpDB.AreaType, EmpDB.AreaTypeVersion, EmpDB.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
6. Foreign Key (EmpDB.EmpSizeRange) references (EmpSizeRange.EmpSizeRange)
7. Foreign Key (EmpDB.EmpSizeFlag) references (EmpSizeFlag.EmpSizeFlag)
8. Foreign Key (EmpDB.ReleaseNumber) references (EmpDBInf.ReleaseNumber)
9. Foreign Key (EmpDB.CreditCode) references (CreditCodes.CreditCode)
10. Foreign Key (EmpDB.ContactTitleCode) references (ContactTitles.ContactTitleCode)
11. Foreign Key (EmpDB.ContactProTitle) references (ContactProTitles.ContactProTitle)
12. Foreign Key (EmpDB.AnnualSalesRange) references (AnnualSalesRanges.AnnSalesRange)
13. Foreign Key (EmpDB.AnnualSalesFlag) references (AnnualSalesCodes.AnnSalesCode)

Income

Income data by geography.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3,4	State FIPS Code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. IncomeType	char(2)	Primary Key 3	Code describing type of income measure.
9. IncomeSource	char(1)	Primary Key 4	Source of the income measure.
10. Income	numeric(14,0)	3,4	Value of income measure.
11. IncomeRank	numeric(3,0)		Rank of income measure.
12. Population	numeric(10,0)		Population of the geography referenced. (Related to inctype e.g., number of households, number of families, number persons.)
13. ReleaseDate	char(8)		Release Date (yyyymmdd)

Constraints

1. Foreign Key (Income.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (Income.PeriodType, Income.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (Income.StFips, Income.IncomeType) references (IncomeTypes.StFips, IncomeTypes.IncomeType)
4. Foreign Key (Income.StFips, Income.IncomeSource) references (IncomeSources.StFips, IncomeSources.IncomeSource)
5. Foreign Key (Income.StFips, Income.AreaType, Income.AreaTypeVersion, Income.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

Industry

Table of covered employment by industry collected for the ES-202/QCEW report.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 4	State FIPS Code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. IndCodeType	char(2)	Primary Key 4	Code describing the industry code type.
9. IndCode	char(10)	Primary Key 4	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
10. Ownership	char(2)	Primary Key 3	Ownership is a 2-digit indicator that identifies the employer by public or private ownership.
11. Prelim	char(1)		Preliminary/revised flag: 0 = Not Preliminary; 1 = Preliminary
12. Firms	numeric(8,0)		The number of firms in the industry.
13. Establishments	numeric(8,0)		The number of employer establishments (reporting units) in the industry.
14. QuarterAvgEmp	numeric(9,0)		The number of workers employed in the industry.
15. Month1Emp	numeric(9,0)		Employment on the first month of the quarter.
16. Month2Emp	numeric(9,0)		Employment on the second month of the quarter.
17. Month3Emp	numeric(9,0)		Employment on the third month of the quarter.
18. TopEmployerAvgEmp	numeric(9,0)		Average employment for the quarter or year of the top employer for the specified geography and industry code.
19. TotalWages	numeric(14,0)		The total wages paid to all workers in the industry for the period.

20. AvgWeeklyWage	numeric(8,0)	Average weekly wage per worker.
21. TaxableWages	numeric(14,0)	Total taxable wages.
22. UIContributions	numeric(12,0)	Employer contributions to the UI fund.
23. Suppress	char(1)	An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Suppressed; 1 = Suppress employment & wage data

Constraints

1. Foreign Key (Industry.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (Industry.PeriodType, Industry.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (Industry.Ownership) references (Ownerships.Ownership)
4. Foreign Key (Industry.StFips, Industry.IndCodeType, Industry.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
5. Foreign Key (Industry.StFips, Industry.AreaType, Industry.AreaTypeVersion, Industry.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

IOWage

Table of wages by industry and occupation, from any source, including OEWS.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1,5,6	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area : e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 3	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 4	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. Period	char(2)	Primary Key 3,4	Period Code. Will be set to '00' where periodtype is annual.
8. IndCodeType	char(2)	Primary Key 6	Code describing the industry code type.
9. IndCode	char(10)	Primary Key 6	A code used in the classification of establishments by type of activity in which they are engaged. For codes not 6 characters long, left justify and blank (ASCII 32) fill. Either SIC or NAICS code can be used.
10. OccCodeType	char(2)	Primary Key 5	Code describing the type of occupational coding system.
11. OccCode	char(10)	Primary Key 5	The occupational classification code used by the state for this data element. This code could be a DOT, OEWS, SOC, CENSUS, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
12. WageSource	char(1)	Primary Key 1	A code representing the source of the wage data.
13. EmpCount	numeric(10,0)		Total employment.
14. RateType	char(1)	Primary Key 2	Code indicating what the rate shown is
15. ResponseRate	numeric(6,0)		Response rate for the occupation's actual or real survey data. Does NOT include imputed data in the rate calculation.
16. MeanWage	numeric(9,2)		Mean wage for the occupation.
17. EntryWage	numeric(9,2)		Entry level wage for the occupation, mean of the first third (ALC definition).

18. ExperiencedWage	numeric(9,2)	Experienced level wage for the occupation, mean of upper two thirds (ALC definition).
19. Percentile10Wage	numeric(9,2)	Wage at tenth percentile.
20. Percentile25Wage	numeric(9,2)	Wage at twenty-fifth percentile.
21. MedianWage	numeric(9,2)	Median wage of the occupation; by definition, also the wage at fiftieth percentile.
22. Percentile75Wage	numeric(9,2)	Wage at seventy-fifth percentile.
23. Percentile90Wage	numeric(9,2)	Wage at ninetieth percentile.
24. UserDefinedPct	numeric(3,0)	User defined percentile.
25. UserDefinedPctWage	numeric(9,2)	
26. UserDefinedRangeLoPct	numeric(3,0)	
27. UserDefinedRangeHiPct	numeric(3,0)	
28. UserDefinedRangeMean	numeric(9,2)	
29. WageRelativePctError	numeric(6,2)	Relative percent error on wage.
30. EmpRelativePctError	numeric(6,2)	Relative percent error on employment.
31. PanelCode	char(6)	Reference panel code (yyyymm)
32. SuppressWage	char(1)	An indicator that the wage values should be suppressed.
33. SuppressAll	char(1)	An indicator that the record contains confidential data.
34. SuppressEmp	char(1)	An indicator that the employment values should be suppressed.

Constraints

1. Foreign Key (IOWage.StFips, IOWage.WageSource) references (WageSources.StFips, WageSources.WageSource)
2. Foreign Key (IOWage.RateType) references (WageRateTypes.RateType)
3. Foreign Key (IOWage.PeriodYear) references (PeriodYears.PeriodYear)
4. Foreign Key (IOWage.PeriodType, IOWage.Period) references (Periods.PeriodType, Periods.Period)
5. Foreign Key (IOWage.StFips, IOWage.OccCodeType, IOWage.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
6. Foreign Key (IOWage.StFips, IOWage.IndCodeType, IOWage.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
7. Foreign Key (IOWage.StFips, IOWage.AreaType, IOWage.AreaTypeVersion, IOWage.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

JOLTS

The Job Openings and Labor Turnover Survey program provides national estimates of rates and levels for job openings, hires, and total separations. Total separations are further broken out into quits, layoffs and discharges, and other separations.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 4	State FIPS code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g county service delivery area, MSA_x000D_ BLS Region = 06
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	Six-digit code assigned to represent a geographic area. Front fill with zeroes
5. PeriodYear	char(4)	Primary Key 1	Character representation of calendar year
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. IndCodeType	char(2)	Primary Key 4	Code for the type industry:_x000D_ 05 = SIC_x000D_ 10 = NAICS
9. IndCode	char(10)	Primary Key 4	Industry code
10. Adjusted	char(1)		Indicates whether data is seasonally adjusted_x000D_ 0 = Not Adjusted_x000D_ 1 = Adjusted
11. JOLTSTypeCode	char(2)	Primary Key 3	Indicator of the type of data:
12. Prelim	char(2)		0 = Not prelim_x000D_ 1 = Prelim
13. Value	numeric(9,0)		In thousands
14. Rate	numeric(8,2)		Percent

Constraints

1. Foreign Key (JOLTS.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (JOLTS.PeriodType, JOLTS.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (JOLTS.JOLTSTypeCode) references (JOLTSTypes.JOLTSTypeCode)
4. Foreign Key (JOLTS.StFips, JOLTS.IndCodeType, JOLTS.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
5. Foreign Key (JOLTS.StFips, JOLTS.AreaType, JOLTS.AreaTypeVersion, JOLTS.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

LaborForce

Employment and unemployment estimates reported from the Local Area Unemployment Statistics.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3	State FIPS Code
2. AreaType	char(2)	Primary Key 3	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 3	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 3	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to 00 where periodtype is annual.
8. Adjusted	char(1)	Primary Key	Indicates if record contains seasonally adjusted data. 1 = adjusted; 0 = not adjusted
9. Prelim	char(1)		Indicates preliminary data: 0 = Not preliminary; 1 = preliminary
10. Benchmark	char(4)		Benchmark year of the data.
11. LaborForce	numeric(9,0)		Civilian labor force.
12. Employed	numeric(9,0)		Number employed by place of residence.
13. Unemployed	numeric(9,0)		Number unemployed.
14. UnemployedRate	numeric(5,1)		Unemployment rate.
15. CLFPRate	numeric(5,1)		Civilian labor force participation rate
16. EmpPopRatio	numeric(5,1)		Employment to population ratio

Constraints

1. Foreign Key (LaborForce.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (LaborForce.PeriodType, LaborForce.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (LaborForce.StFips, LaborForce.AreaType, LaborForce.AreaTypeVersion, LaborForce.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
4. Foreign Key (LaborForce.Benchmark) references (Benchmark.Benchmark)

License

Table of individual licenses authorized by a state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 9	State FIPS Code
2. AreaType	char(2)	9	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	9	Code indicating the area type version. Default = 0
4. Area	char(6)	9	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. LicenseID	char(10)	Primary Key	A code that identifies the license for the specific occupational title.
6. LicAuthID	char(3)		A unique code that identifies the licensing authority.
7. LicenseTitle	varchar(200)		
8. LicenseDesc	varchar(max)		
9. LicenseType	char(1)	2	An indicator of the type of license
10. Exam	char(1)	5	An indicator of the exam requirements of the license
11. Education	char(1)	6	An indicator of the education requirements of the license
12. ContinuingEdu	char(1)		An indicator of the continuing education requirements of the license
13. Certification	char(1)	8	An indicator of the certification requirements of the license
14. Experience	char(1)	4	
15. Criminal	char(1)	7	An indicator of restrictions on criminal records
16. PhysicalReq	char(1)	3	
17. Veteran	char(1)	1	An indicator of the type of veteran's preference
18. Inactive	char(1)	1	An indicator of the active status of the license
19. LicenseURL	char(200)		Uniform Resource Locator for license information
20. LicenseUpdated	char(8)		Last date the license information was updated. Format: yyyymmdd

Constraints

1. Foreign Key (License.Veteran) references (LicenseVeteran.LicenseVeteran)
2. Foreign Key (License.LicenseType) references (LicenseTypes.LicenseType)
3. Foreign Key (License.PhysicalReq) references (LicensePhysicalReqs.LicensePhysicalReq)
4. Foreign Key (License.Experience) references (LicenseExperience.LicenseExperience)
5. Foreign Key (License.Exam) references (LicenseExams.LicenseExam)
6. Foreign Key (License.Education) references (LicenseEducation.LicenseEducation)
7. Foreign Key (License.Criminal) references (LicenseCriminal.LicenseCriminal)
8. Foreign Key (License.Certification) references (LicenseCertifications.LicenseCertification)

9. Foreign Key (License.StFips, License.AreaType, License.AreaTypeVersion, License.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
10. Foreign Key (License.Inactive) references (LicenseActiveStatuses.LicenseActiveStatus)
11. Foreign Key (License.ContinuingEdu) references (LicenseContinuingEdu.LicenseContinuingEdu)

LicenseAuthorities 

Table of licensing authorities for the state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. LicAuthID	char(3)	Primary Key	A unique identifier for the licensing authority.
6. Department	varchar(255)		The State department responsible for regulation.
7. Division	varchar(255)		The division, office, or section of the department responsible for regulation (may be NULL).
8. Board	varchar(255)		Complete name of regulatory board.
9. Address1	varchar(75)		Address of licensing authority.
10. Address2	varchar(75)		Second line for address.
11. City	varchar(30)		City.
12. State	char(2)		
13. ZipCode	char(5)		Postal zip code for the business address.
14. ZipExt	char(4)		Four digit zip code extension.
15. Latitude	numeric(11,6)		Physical location - latitude
16. Longitude	numeric(11,6)		Physical location - longitude
17. GeoPrecisionCode	char(1)	1	Physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
18. Telephone	varchar(10)		Phone number.
19. TeleExt	varchar(10)		Phone number extension.
20. Fax	varchar(10)		Licensing agency fax number.
21. Contact	varchar(50)		Name of person to contact at the licensing agency.
22. Email	varchar(70)		Licensing agency e-mail address.
23. URL	varchar(200)		Uniform Resource Locator for the licensing agency.

Constraints

1. Foreign Key (LicenseAuthorities.GeoPrecisionCode) references (GeoPrecisionCodes.GeoPrecisionCode)
2. Foreign Key (LicenseAuthorities.StFips, LicenseAuthorities.AreaType, LicenseAuthorities.AreaTypeVersion, LicenseAuthorities.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

LicenseHistory

Table of the number of licenses awarded for a selected occupation.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 4	State FIPS code.
2. AreaType	char(2)		Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)		Code indicating the area type version. Default = 0
4. Area	char(6)		A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to '00' where periodtype is annual.
8. LicenseID	char(10)	Primary Key 4	A code that identifies the license for the specific occupational title.
9. LicenseNumberType	char(2)	Primary Key 3	A code that identifies the type of license information.
10. LicenseNumber	numeric(9,0)	3	A numerical value that represents the number of licenses awarded.

Constraints

1. Foreign Key (LicenseHistory.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (LicenseHistory.PeriodType, LicenseHistory.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (LicenseHistory.LicenseNumberType) references (LicenseNumberTypes.LicenseNumberType)
4. Foreign Key (LicenseHistory.StFips, LicenseHistory.LicenseID) references (License.StFips, License.LicenseID)
5. Foreign Key (LicenseHistory.StFips, LicenseHistory.AreaType, LicenseHistory.AreaTypeVersion, LicenseHistory.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

Population

This table contains population estimates for a geographic area and time period.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. PopSource	char(1)	Primary Key 1	Source Code for population data.
9. Population	numeric(10,0)		Number representing the population total for the specified geographic area and time period.
10. ReleaseDate	char(8)		Release Date (yyyymmdd)

Constraints

1. Foreign Key (Population.StFips, Population.PopSource) references (PopulationSources.StFips, PopulationSources.PopSource)
2. Foreign Key (Population.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (Population.PeriodType, Population.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (Population.StFips, Population.AreaType, Population.AreaTypeVersion, Population.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

ProgramCompleters

This table contains information about program completers.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1,4,5	State FIPS code.
2. AreaType	char(2)	Primary Key 1,5	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 1,5	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 1,5	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. InstitutionCode	char(10)	Primary Key 1	
6. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
7. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
8. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
9. CodeType	char(2)	Primary Key 4	Code describing the type of occupation or training code.
10. Code	char(10)	Primary Key 1,4	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 character long, left justify and blank (ASCII 32) fill.
11. CompleterType	char(2)	Primary Key	A 2-digit code representing type of program completer.
12. Completers	numeric(8,0)		Number of program completers.
13. Placements	varchar(max)		

Constraints

1. Foreign Key (ProgramCompleters.StFips, ProgramCompleters.AreaType, ProgramCompleters.AreaTypeVersion, ProgramCompleters.Area, ProgramCompleters.InstitutionCode) references (Schools.StFips, Schools.AreaType, Schools.AreaTypeVersion, Schools.Area, Schools.InstitutionCode)
2. Foreign Key (ProgramCompleters.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (ProgramCompleters.PeriodType, ProgramCompleters.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (ProgramCompleters.StFips, ProgramCompleters.CodeType, ProgramCompleters.Code) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
5. Foreign Key (ProgramCompleters.StFips, ProgramCompleters.AreaType, ProgramCompleters.AreaTypeVersion, ProgramCompleters.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
6. Foreign Key (ProgramCompleters.StFips, ProgramCompleters.CompleterType) references (CompleterTypes.StFips, CompleterTypes.CompleterType)

Programs

This table contains information about occupational training			
FieldName	**FieldType**	**Constraint**	**FieldDesc**
1. StFips	char(2)	Primary Key 1,2,3,4,5,6	State FIPS code.
2. AreaType	char(2)	Primary Key 1,5	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 1,5	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 1,5	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. InstitutionCode	char(10)	Primary Key 1	
6. CodeType	char(2)	Primary Key 2,3	Code describing the type of occupation or training code.
7. Code	char(10)	Primary Key 1,2,3	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
8. CompleterType	char(2)	Primary Key 6	A 2-digit code representing type of program completed.
9. Length	numeric(8,2)	4	The length of the training program at the institution (years, months, weeks, etc.)
10. LengthType	char(2)	4	The identifying code assigned to the program length.
11. ProgCost	numeric(6,0)		The cost of the program.
12. ProgTitle	varchar(200)		Title used by the training provider for the program.
13. ProgDesc	varchar(max)		A narrative summary of the program objective.
14. CIPCodeType	char(2)	2	Code describing the CIP version used.
15. CIPCode	char(10)	2	A 10-digit code assigned to a Classification of Institutional Programs (CIP) program title.
16. URL	varchar(200)		Uniform Resource Locator for the program.
17. Classroom	char(1)		Classroom instruction: 1 = yes; 0 = no
18. Online	char(1)		Online instruction: 1 = yes; 0 = no
19. ClassTime	char(1)		Times class is held; see field values
20. ETPLApproval	char(1)		ETPL approved program: 1 = approved; 0 = not approved
Constraints			
1. Foreign Key (Programs.StFips, Programs.AreaType, Programs.AreaTypeVersion, Programs.Area, Programs.InstitutionCode) references (Schools.StFips, Schools.AreaType, Schools.AreaTypeVersion,			

Schools.Area, Schools.InstitutionCode)
2. Foreign Key (Programs.StFips, Programs.CIPCodeType, Programs.CIPCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
3. Foreign Key (Programs.StFips, Programs.CodeType, Programs.Code) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
4. Foreign Key (Programs.StFips, Programs.LengthType) references (LengthTypes.StFips, LengthTypes.LengthType)
5. Foreign Key (Programs.StFips, Programs.AreaType, Programs.AreaTypeVersion, Programs.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
6. Foreign Key (Programs.StFips, Programs.CompleterType) references (CompleterTypes.StFips, CompleterTypes.CompleterType)
7. Foreign Key (Programs.ClassTime) references (ClassTime.ClassTime)

ProjectionsMatrix

Table of the industry-occupation employment matrix.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 5	State FIPS Code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1,3,4	Character representation of the calendar year (e.g. 2021).
6. PeriodType	char(2)	Primary Key 2,3,4	Code describing type of period (e.g. Long-term projections, short-term projections, etc.)
7. Period	char(2)	Primary Key 1,2,3,4	Period Code. Will be set to 00 where periodtype in annual based.
8. MatrixIndCode	char(15)	Primary Key 4	Matrix industry code from Micro Matrix.
9. MatrixOccCode	char(10)	Primary Key 3	Matrix occupation code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
10. ProjectedYear	char(4)	Primary Key 3,4	Character representation of the projected calendar year (e.g. 2031).
11. EstimatedEmp	numeric(9,0)		The base-year employment estimate.
12. ProjectedEmp	numeric(9,0)		The projected-year employment estimate.
13. PctEstInd	numeric(6,2)		The percentage of the base-year employment estimate for the indicated industry represented by the base-year employment estimate for the indicated occupation within that industry.
14. PctEstOcc	numeric(6,2)		The percentage of the base-year employment estimate for the indicated occupation represented by the base-year employment estimate for the indicated industry within that occupation.
15. PctProjInd	numeric(6,2)		The percentage of projected employment for the indicated industry represented by projected employment for the indicated occupation within that industry.
16. PctProjOcc	numeric(6,2)		The percentage of the projected employment estimate for the indicated occupation represented by the projected employment estimate for the indicated industry within that occupation.
17. NumericChange	numeric(9,0)		
18. PercentChange	numeric(9,4)		Percent change over period.((projemp-estemp)/estemp)*100

19. GrowthRate	numeric(8,4)		A value representing the annualized percentage growth. This value is calculated by dividing the Projected year by the Base year. Taking the results to the 1/n power, where n is the number of years in the projection period, subtracting 1 from the result and multiplying that result by 100. Ie. grrate=(((projemp/estemp)^1/n)-1)*100
20. GrowthCode	char(2)	5	A descriptor to allow for state specific interpretation of the industry or occupation.
21. Exits	numeric(9,0)		The number of exits from the labor force.
22. AnnualExits	numeric(9,0)		The annual number of exits from the labor force.
23. Transfers	numeric(9,0)		The number of transfers from one occupation to another.
24. AnnualTransfers	numeric(9,0)		The annual number of transfers from one occupation to another.
25. Change	numeric(9,0)		Numeric Change between the projected estimate and the base estimate.
26. AnnualChange	numeric(9,0)		The annual change in employment from estimated to projected.
27. Openings	numeric(9,0)		Total openings = Exits+Transfers+Change
28. AnnualOpenings	numeric(9,0)		Annual openings
29. Suppress	char(1)		An indicator that the record contains confidential data that must be suppressed for public use: 0 = Not Confidential; 1 = Confidential

Constraints

1. Foreign Key (ProjectionsMatrix.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (ProjectionsMatrix.PeriodType, ProjectionsMatrix.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (ProjectionsMatrix.MatrixOccCode, ProjectionsMatrix.PeriodYear, ProjectionsMatrix.PeriodType, ProjectionsMatrix.Period, ProjectionsMatrix.ProjectedYear) references (OccDirectories.MatrixOccCode, OccDirectories.PeriodYear, OccDirectories.PeriodType, OccDirectories.Period, OccDirectories.ProjectedYear)
4. Foreign Key (ProjectionsMatrix.MatrixIndCode, ProjectionsMatrix.PeriodYear, ProjectionsMatrix.PeriodType, ProjectionsMatrix.Period, ProjectionsMatrix.ProjectedYear) references (IndDirectories.MatrixIndCode, IndDirectories.PeriodYear, IndDirectories.PeriodType, IndDirectories.Period, IndDirectories.ProjectedYear)
5. Foreign Key (ProjectionsMatrix.StFips, ProjectionsMatrix.GrowthCode) references (GrowthCodes.StFips, GrowthCodes.GrowthCode)
6. Foreign Key (ProjectionsMatrix.StFips, ProjectionsMatrix.AreaType, ProjectionsMatrix.AreaTypeVersion, ProjectionsMatrix.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

SalesRevenue

Revenue from retail sales.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. SalesType	char(2)	Primary Key 1	Code describing the type of sales statistic. (e.g. Retail sales are coded 01)
9. Sales	numeric(15,0)	1	Sales Dollar amount.

Constraints

1. Foreign Key (SalesRevenue.StFips, SalesRevenue.SalesType) references (SalesTypes.StFips, SalesTypes.SalesType)
2. Foreign Key (SalesRevenue.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (SalesRevenue.PeriodType, SalesRevenue.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (SalesRevenue.StFips, SalesRevenue.AreaType, SalesRevenue.AreaTypeVersion, SalesRevenue.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

Schools

Table of training providers in the state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. InstitutionCode	char(10)	Primary Key	
6. InstitutionType	char(2)	1	
7. InstitutionOwnership	char(1)		
8. InstName1	varchar(80)		Primary name of the training institution.
9. InstName2	varchar(80)		Secondary name of the training institution.
10. Address1	varchar(35)		Address of the training institution.
11. Address2	varchar(35)		Address of the training institution.
12. City	varchar(30)		City.
13. State	char(2)		
14. ZipCode	char(5)		Postal zip code for the business address.
15. ZipExt	char(4)		Zip code extension.
16. Latitude	numeric(11,6)		Physical location - latitude
17. Longitude	numeric(11,6)		Physical location - longitude
18. GeoPrecisionCode	char(1)	2	Physical location - geocode precision level code. The precision of the longitude and latitude coordinates.
19. Telephone	char(10)		Training institution telephone number.
20. TeleExt	varchar(10)		Training institution telephone extension.
21. Fax	char(10)		Training institution fax number.
22. URL	varchar(200)		Uniform Resource Locator.
23. Contact	varchar(50)		Name of person to contact at the training institution.
24. DistanceLearn	char(1)		Distance Learn: 1=distance learn or online or correspondence ONLY; 0=otherwise
25. SatelliteCampus	char(1)		Satellite Campus: 1=yes; 0=no (main campus)
Constraints			

1. Foreign Key (Schools.StFips, Schools.InstitutionType) references (InstitutionTypes.StFips, InstitutionTypes.InstitutionType)
2. Foreign Key (Schools.GeoPrecisionCode) references (GeoPrecisionCodes.GeoPrecisionCode)
3. Foreign Key (Schools.StFips, Schools.AreaType, Schools.AreaTypeVersion, Schools.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

Supply

Completer data for all occupational training providers in the state.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3,4,6	State FIPS code.
2. AreaType	char(2)	Primary Key 6	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 6	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 6	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 1	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 2	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 1,2	Period Code. Will be set to '00' where periodtype is annual.
8. InstitutionType	char(2)	Primary Key 4	
9. InstitutionOwnership	char(1)	Primary Key 5	
10. CodeType	char(2)	Primary Key 3	Code describing the type of occupation or training code.
11. Code	char(10)	Primary Key 3	The classification code used by the state for this data element. This code could be DOT, OEWS, CIP, Cluster, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
12. CompleterType	char(2)	Primary Key	A 2-digit code representing type of program completer. (e.g. Completers with Associates Degree are coded as 03)
13. Completers	numeric(8,0)		Number of program completers.

Constraints

1. Foreign Key (Supply.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (Supply.PeriodType, Supply.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (Supply.StFips, Supply.CodeType, Supply.Code) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
4. Foreign Key (Supply.StFips, Supply.InstitutionType) references (InstitutionTypes.StFips, InstitutionTypes.InstitutionType)
5. Foreign Key (Supply.InstitutionOwnership) references (InstitutionOwnerships.InstitutionOwnership)
6. Foreign Key (Supply.StFips, Supply.AreaType, Supply.AreaTypeVersion, Supply.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)
7. Foreign Key (Supply.StFips, Supply.CompleterType) references (CompleterTypes.StFips, CompleterTypes.CompleterType)

TaxRevenues

Revenues from taxes.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. TaxType	char(2)	Primary Key 1	A 2-digit code identifying type of tax.
9. TaxRevenue	numeric(15,0)		Tax revenues.

Constraints

1. Foreign Key (TaxRevenues.StFips, TaxRevenues.TaxType) references (TaxTypes.StFips, TaxTypes.TaxType)
2. Foreign Key (TaxRevenues.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (TaxRevenues.PeriodType, TaxRevenues.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (TaxRevenues.StFips, TaxRevenues.AreaType, TaxRevenues.AreaTypeVersion, TaxRevenues.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

TransferPayments

Table of Government Transfer Payments.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.)
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. PaymentType	char(2)	Primary Key 1	A 2-digit code indicating type of payment.
9. AmountPaid	numeric(10,0)		Amount paid in thousands.

Constraints

1. Foreign Key (TransferPayments.StFips, TransferPayments.PaymentType) references (TransferPaymentTypes.StFips, TransferPaymentTypes.PaymentType)
2. Foreign Key (TransferPayments.PeriodYear) references (PeriodYears.PeriodYear)
3. Foreign Key (TransferPayments.PeriodType, TransferPayments.Period) references (Periods.PeriodType, Periods.Period)
4. Foreign Key (TransferPayments.StFips, TransferPayments.AreaType, TransferPayments.AreaTypeVersion, TransferPayments.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

UIClaims

Table of the numbers of Unemployment Insurance Claims by geographic area.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 4,5,6	State FIPS code.
2. AreaType	char(2)	Primary Key 6	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key 6	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key 6	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. PeriodYear	char(4)	Primary Key 2	Character representation of the calendar year (e.g. 2006).
6. PeriodType	char(2)	Primary Key 3	Code describing type of period (e.g. annual, quarterly, monthly, etc.).
7. Period	char(2)	Primary Key 2,3	Period Code. Will be set to '00' where periodtype is annual.
8. ClaimType	char(1)	Primary Key	Code describing the type of claim: 1 = Initial; 2 = Continued; 9 = Unknown
9. OccCodeType	char(2)	Primary Key 4	Code describing the type of occupational code.
10. OccCode	char(10)	Primary Key 4	The occupational classification code used by the state for this data element. This code could be DOT, OEWS, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
11. IndCodeType	char(2)	Primary Key 5	Code describing the type of industry classification code.
12. IndCode	char(10)	Primary Key 5	The industry classification code used by the state for this data element. This code could be SIC or NAICS. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
13. AgeGroup	char(2)	Primary Key	Code identifying the age group.
14. RaceCode	char(2)	Primary Key 1	Code indicating race of claimants.
15. Ethnicity	char(1)	Primary Key 8	Hispanice (H), or Not Hispanic (N)
16. GenderCode	char(1)	Primary Key 7	Gender code.
17. Claimants	numeric(8,0)		Number of UI claimants.
18. WeeksComp	numeric(8,0)		Weeks compensated
19. FirstPayments	numeric(8,0)		Number of first payments
20. Duration	numeric(4,1)		Average number of weeks of current unemployment.

Constraints
1. Foreign Key (UIClaims.RaceCode) references (RaceCodes.RaceCode) 2. Foreign Key (UIClaims.PeriodYear) references (PeriodYears.PeriodYear) 3. Foreign Key (UIClaims.PeriodType, UIClaims.Period) references (Periods.PeriodType, Periods.Period) 4. Foreign Key (UIClaims.StFips, UIClaims.OccCodeType, UIClaims.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code) 5. Foreign Key (UIClaims.StFips, UIClaims.IndCodeType, UIClaims.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code) 6. Foreign Key (UIClaims.StFips, UIClaims.AreaType, UIClaims.AreaTypeVersion, UIClaims.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area) 7. Foreign Key (UIClaims.GenderCode) references (Genders.GenderCode) 8. Foreign Key (UIClaims.Ethnicity) references (EthnicityCodes.EthnicityCode) 9. Foreign Key (UIClaims.AgeGroup) references (AgeGroups.AgeGroup)

Crosswalk Tables

IndustryXIndustry

Table mapping indcodes and codetypes to related indcodes and codetypes

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code
2. CodeType	char(2)	Primary Key 1	Code describing the type of industry classification code.
3. Code	char(10)	Primary Key 1	The classification codes used by the state for this data element. This could be SIC, NAICS, or other industry code.
4. CodeType2	char(2)	Primary Key 1	Code describing the type of industry classification code.
5. Code2	char(10)	Primary Key 1	The classification codes used by the state for this data element. This could be SIC, NAICS, or other industry code.

Constraints

1. Foreign Key (IndustryXIndustry.StFips, IndustryXIndustry.CodeType2, IndustryXIndustry.Code2) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
2. Foreign Key (IndustryXIndustry.StFips, IndustryXIndustry.CodeType, IndustryXIndustry.Code) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)

LayTitleXOcc

Table of lay titles and the associated occupation codes.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. OccCodeType	char(2)	Primary Key 1	Code describing the occupational code.
3. OccCode	char(10)	Primary Key 1	The occupational classification code used by the state for this data element. This code could be DOT, OEWS, SOC, Census, etc. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
4. LayTitleCode	char(5)	Primary Key	Code associated with a particular lay title.

Constraints

1. Foreign Key (LayTitleXOcc.StFips, LayTitleXOcc.OccCodeType, LayTitleXOcc.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
2. Foreign Key (LayTitleXOcc.LayTitleCode) references (LayTitles.LayTitleCode)

LicenseXLicense

Table of re-licensing

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code
2. LicenseID	char(10)	Primary Key 1	Unique ID for license
3. ReLicenseID	char(10)	Primary Key 1	Unique ID of the secondary license

Constraints

1. Foreign Key (LicenseXLicense.StFips, LicenseXLicense.ReLicenseID) references (License.StFips, License.LicenseID)
2. Foreign Key (LicenseXLicense.StFips, LicenseXLicense.LicenseID) references (License.StFips, License.LicenseID)

LicenseXOcc 

Table mapping state licenses to associated occupations.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code.
2. LicenseID	char(10)	Primary Key	A code that identifies the license for the specific occupational title.
3. OccCodeType	char(2)	Primary Key 1	Code for Occupation code type.
4. OccCode	char(10)	Primary Key 1	Occupation code.

Constraints

1. Foreign Key (LicenseXOcc.StFips, LicenseXOcc.OccCodeType, LicenseXOcc.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
2. Foreign Key (LicenseXOcc.StFips, LicenseXOcc.LicenseID) references (License.StFips, License.LicenseID)

MatrixXInd

This table crosswalks the MicroMatrix industry codes to other industry codes, such as NAICS or SIC.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 3	State FIPS code.
2. MatrixIndCode	char(15)	Primary Key	Industry matrix code from Micro Matrix.
3. PeriodYear	char(4)	Primary Key 1	
4. PeriodType	char(2)	Primary Key 2	
5. Period	char(2)	Primary Key 1,2	
6. ProjectedYear	char(4)	Primary Key	
7. IndCodeType	char(2)	Primary Key 3	Code describing the type of industry classification code.
8. IndCode	char(10)	Primary Key 3	The classification code used by the state for this data element. This could be a SIC or NAICS code.
9. SubTotal	char(1)		Sum level of the information.

Constraints

1. Foreign Key (MatrixXInd.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (MatrixXInd.PeriodType, MatrixXInd.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (MatrixXInd.StFips, MatrixXInd.IndCodeType, MatrixXInd.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
4. Foreign Key (MatrixXInd.SubTotal) references (IndSubLevels.SubTotal)

MatrixXOcc

This table crosswalks MicroMatrix occupation codes to other occuptation codes, such as SOC or OES.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS code.
2. MatrixOccCode	char(15)	Primary Key	Occupation matrix code from Micro Matrix. For codes not 10 characters long, left justify and blank (ASCII 32) fill.
3. PeriodYear	char(4)	Primary Key 1	
4. PeriodType	char(2)	Primary Key 2	
5. Period	char(2)	Primary Key 1,2	
6. ProjectedYear	char(4)	Primary Key	
7. OccCodeType	char(2)	Primary Key	Code describing the type of occupation or training classification code.
8. OccCode	char(10)	Primary Key	The classification code used by the state for this data element.
9. SubTotal	char(1)	3	Sum level of the information.

Constraints

1. Foreign Key (MatrixXOcc.PeriodYear) references (PeriodYears.PeriodYear)
2. Foreign Key (MatrixXOcc.PeriodType, MatrixXOcc.Period) references (Periods.PeriodType, Periods.Period)
3. Foreign Key (MatrixXOcc.SubTotal) references (OccSubLevels.SubTotal)
4. Foreign Key (MatrixXOcc.StFips, MatrixXOcc.OccCodeType, MatrixXOcc.OccCode) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)

OccupationXOccupation

Table mapping occupation codes and codetypes to related occupation codes and codetypes

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS code
2. CodeType	char(2)	Primary Key 1	Code describing the type of occupation or training classification code.
3. Code	char(10)	Primary Key 1	The classification code used by the state for this data element. This code could be a CIP, DOT, SOC, or other occupational code.
4. CodeType2	char(2)	Primary Key 1	Code describing the type of occupation or training classification code.
5. Code2	char(10)	Primary Key 1	The classification code used by the state for this data element. This code could be a CIP, DOT, SOC, or other occupational code.

Constraints

1. Foreign Key (OccupationXOccupation.StFips, OccupationXOccupation.CodeType2, OccupationXOccupation.Code2) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)
2. Foreign Key (OccupationXOccupation.StFips, OccupationXOccupation.CodeType, OccupationXOccupation.Code) references (OccupationCodes.StFips, OccupationCodes.CodeType, OccupationCodes.Code)

Administrative Tables

IndustrySums

Count of employers for each industry, with detailed source.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key 1	State FIPS Code
2. AreaType	char(2)	Primary Key	Code describing type of geographic area: e.g. county, service delivery area, MSA.
3. AreaTypeVersion	char(4)	Primary Key	Code indicating the area type version. Default = 0
4. Area	char(6)	Primary Key	A 6-digit code assigned to represent a geographic area. Front fill with zeroes.
5. IndCodeType	char(2)	Primary Key 1	Code describing the type of industry classification code.
6. IndCode	char(10)	Primary Key 1	The classification code used by the state for this data element. This could be a SIC or NAICS code. For codes not 6 characters long, left justify and blank (ASCII 32) fill.
7. IndSource	char(1)	Primary Key	Detail source of industry aggregates: E = empdb; S = stfirms
8. Employers	numeric(6,0)		Count of employers

Constraints

1. Foreign Key (IndustrySums.StFips, IndustrySums.IndCodeType, IndustrySums.IndCode) references (IndustryCodes.StFips, IndustryCodes.CodeType, IndustryCodes.Code)
2. Foreign Key (IndustrySums.StFips, IndustrySums.AreaType, IndustrySums.AreaTypeVersion, IndustrySums.Area) references (Geographies.StFips, Geographies.AreaType, Geographies.AreaTypeVersion, Geographies.Area)

TableList

This table contains one record for each table in the Workforce Information Database.

FieldName	FieldType	Constraint	FieldDesc
1. TableName	varchar(32)	Primary Key	Name of Workforce Information table.
2. TableDesc	varchar(200)		Description of table.
3. TableType	char(1)		A code indicating the type of Workforce Information table.

TableSource

Table describing how and from whom to obtain source data for the WID tables.

FieldName	FieldType	Constraint	FieldDesc
1. StFips	char(2)	Primary Key	State FIPS Code.
2. TableName	varchar(32)	Primary Key 1	Name of Workforce Information table.
3. Supplier	varchar(100)		Name of department or office.
4. Contact	varchar(200)		Individual to contact.
5. Telephone	char(10)		Telephone number.
6. TeleExt	varchar(10)		Telephone extension.
7. LastUpdate	date		Date this source data was last updated.
8. NextUpdate	date		Date this source data will be updated next.
9. FileType	varchar(10)		File format of source data.
10. Info	varchar(max)		Narrative text describing any other relevant information regarding this source data.

Constraints

1. Foreign Key (TableSource.TableName) references (TableList.TableName)
2. Foreign Key (TableSource.StFips) references (StateFips.StFips)

Workforce Information Database Version 3.0

Standard Field Values (alphabetic by field name)

agegrouptype

Tables Referenced: agegroups

Values:

01	Current Population Survey
02	Census Population

agegroup

Tables Referenced: agegroups, uiclaims
Values:

01	01	16 and over
01	02	16 to 19
01	03	20 and over
01	04	20 to 24
01	05	25 to 34
01	06	35 to 44
01	07	45 to 54
01	08	55 to 64
01	09	65 and over
02	10	Less than 5 years
02	11	5 to 9 years
02	12	10 to 14 years
02	13	15 to 19 years
02	14	20 to 24 years
02	15	25 to 29 years
02	16	30 to 34 years
02	17	35 to 44 years
02	18	45 to 54 years
02	19	55 to 59 years
02	20	60 to 64 years
02	21	65 to 69 years
02	22	70 to 74 years
02	23	75 to 79 years
02	24	80 to 84 years
02	25	85 years and over

annsalesrange

Tables Referenced: empdb

Values:

A	1-499
B	500-999
C	1000 – 2499
D	2500 – 4999
E	5000 – 9999
F	10,000 - 19,999
G	20,000 - 49,999
H	50,000 - 99,999
I	100,000 - 499,999
J	500,000 - 999,999
K	1,000,000+

areatype

Tables Referenced: areatype, bed, buildingpermits, ces, commute, cpi, cpiplus, demographics, empdb, geographies, income, projectionsmatrix, iowage, industry, industrysum, jvs, laborforce, license, licenseauthorities, licensehistory, population, programcompleters, programs, salesrevenue, schools, subgeographies, supply, taxrevenues, transferpayments, uiclaims

Values:

00	US
01	State
03	SDA
04	County
05	Minor Civil Division
06	BLS Region
07	Broad Geographic Area (BGA)
08	Economic Development Region
09	Planning Region
10	Labor Market Area
11	City
12	Town
13	Township
14	Municipality/Suburb

15	Workforce Investment Region
16	One Stop Area
17	Workforce Development Area
18	Job Center Area
19	Congressional District
20	Census Places
25	Metropolitan New England City and Town Area (NECTA)
26	Micropolitan New England City and Town Area (NECTA)
27	New England City and Town Area (NECTA) Divisions
28	Combined New England City and Town Area (NECTA)
30	Balance of State
31	Metropolitan Statistical Area
32	Micropolitan Statistical Area
33	Metropolitan Division
34	Combined Statistical Area
35	EEO County Group
41	BLS CPI areas

areatypeversion

Tables Referenced: areatype, bed, buildingpermits, ces, commute, cpi, cpiplus, demographics, empdb, geographies, income, projectionsmatrix, iowage, industry, industrysum, laborforce, license, licenseauthorities, licensehistory, population, programcompleters, programs, salesrevenue, schools, subgeographies, supply, taxrevenues, transferpayments, uiclaims

Values:

0000	Default (used for 00, 04, etc)
2010	2010 vintage (CPI areas)
2001	MSA definitions released in March 2020
2301	MSA definitions released in July 2023

In general, these are the vintage of area types that can change and the above will depend on how much historical data states include.

MSA versions come from OMB bulletin numbers (available here: https://www.census.gov/programs-surveys/metro-micro/about/omb-bulletins.html) Programs began implementing 2301 in 2025.

businesstype

Tables Referenced: empdb

Values:

1	Individual
2	Firm

ciplevel

Tables Referenced: cipcodes

Values:

2	2-digit CIP
4	4-digit CIP
6	6-digit CIP

classtime

Tables Referenced: classtime, programs Values:

1	Day
2	Night
3	Weekend
4	Day/Night
5	Day/Weekend
6	Night/Weekend
7	Day/Night/Weekend

completertype

Tables Referenced:

completertypes, programcompleters, programs, supply

Values:

00	Sum of all types
01	Postsec. Awards/Cert./Diplomas; < 1 yr
02	Postsec. Awards/Cert./Diplomas; 1-2 yrs
03	Associate's Degree
04	Postsec. Awards/Cert./Diplomas; 2-4 yrs
05	Bachelor's Degree
06	Postbaccalaureate Certificates
07	Master's Degree
08	Post-Master's Certificates
09	Doctor's Degrees
10	First-professional Degrees
11	First-professional Cert. (Post-Degree)
17	All Postsecondary Certificates
21	Secondary
22	Postsec. Awards/Cert./Diplomas; <4 yrs.
23	Graduate degrees combined
30	OJT = on-the-job training
31	Employment & training program completers
32	Military separatees
33	Apprenticeship completers
34	Job Corps completers
40	Certificates < 2 yrs.
50-70	State-Defined Completion Types
99	Unidentified

contactgender

Tables Referenced: empdb

Values:

Blank	Unknown
F	Female
M	Male

contactprotitle

Tables Referenced: contactprotitles, empdb

These are added and changed by the provider

Values:

AGT	Insurance and real estate agents
CPA	Certified Public Accountant
DC	Doctor of Chiropractic Medicine
DDS	Doctor of Dental Surgery
DO	Doctor of Osteopathic Medicine
DPM	Doctor of Podiatry
DVM	Doctor of Veterinary Medicine
MD	Doctor of Medicine
APN	Advanced Practice Nurse
AUD	Audiologist
CFP	Certified Financial Planner
CNM	CERTIFIED NURSE MIDWIFE
CNP	CERTIFIED NURSE PRACTITIONER
CNS	Certified Nurse Specialist
DMD	DOCTOR OF DENTAL MEDICNE
DNP	Doctor Of Nursing Practice
DPT	DOCTOR OF PHYSICAL THERAPY
EA	Enrolled Agent
FNP	Family Nurse Practitioner
LAC	Licensed Acupuncturist
LMT	Licensed Massage Therapist
LO	Loan Officer
LPC	Licensed Professional Counselor
LPN	LICENSED PRACTICAL NURSE
MA	Master Of Arts
MFT	Marriage And Family Therapist
MLO	MORTGAGE LOAN ORIGINATOR
MSN	Master Of Science In Nursing
MSW	Master Of Social Work
ND	NATUROPATHIC DOCTOR
NP	NURSE PRACTITIONER
OD	DOCTOR OF OPTOMETRY
OT	OCCUPATIONAL THERAPY
OTR	Occupational Therapist Register
PA	PHYSICIAN ASSISTANT
PAC	Physician Assistant - Certified
PE	PROFESSIONAL ENGINEER
PHD	DOCTOR OF PHILOSOPHY
PNP	Pediatric Nurse Practitioner
PT	PHYSICAL THERAPIST
RD	Registered Dietitian
RDH	Registered Dental Hygienist
RN	REGISTERED NURSE

contacttitlecode

Tables Referenced: contacttitles, empdb

Values:

blank	Unknown
!	IT
#	Finance
$	Chief Administrative Officer (CAO)
%	Chief Marketing Officer (CMO)
&	Business Development
(	Director
)	Executive
+	Facilities
-	Sales
.	International
/	Manufacturing
:	Educator
=	Engineering/Technical
>	General Manager
?	Office Manager
@	CIO/CTO
[	Operations
\	Marketing
]	Other
^	Human Resources
_	Site Manager
{	Regional Manager
1	Owner
2	President
3	Manager
4	Executive Director
5	Principal
6	Publisher
7	Administrator
8	Religious Leader
9	Partner
A	Chairman
B	Vice Chairman
C	Chief Executive Officer
D	Director (Public Co)
E	Chief Operating Officer (COO)
F	Chief Financial Officer (CFO)
G	Treasurer
H	Controller
I	Executive Vice President
J	Senior Vice President
K	Vice President
L	Administration Executive
M	Corporate Communications Executive
N	Data Processing Executive
O	Finance Executive
P	Human Resources Executive
Q	Telecommunications Executive
R	Marketing Executive
S	Operations Executive
T	Sales Executive
U	Corporate Secretary
V	General Counsel
W	Executive Officer
X	Plant Manager
Y	Purchasing Agent
Z	Minister

cpisource

Tables Referenced: cpi, cpiplus, cpisources

Values:

1	Bureau of Labor Statistics
6-8	State Defined

cpitype

Tables Referenced: cpi, cpitype

Values:

01	CPI-U all items 1982-84=100, not seasonally adjusted
02	CPI-U all items 1982-84=100, seasonally adjusted
50-70	StateDefined

educategory

Tables Referenced: blseducation

Values:

0	All Education Levels
1	Less than high school
2	High school diploma or equivalent
3	Some college, no degree
4	Postsecondary non-degree award
5	Associate's degree
6	Bachelor's degree
7	Master's degree
8	Doctoral or professional degree
N	Not available

empsizeflag

Tables Referenced: empdb, empsizeflag

Values:

1	Collected from source
2	Estimated by the Employer Database supplier

empsizerange

Tables Referenced: empdb, empsizerange

Values:

A	1-4
B	5-9
C	10-19
D	20-49
E	50-99
F	100-249
G	250-499
H	500-999
I	1,000-4,999
J	5,000-9,999
K	10,000+

geoprecisioncode

Tables Referenced:

empdb, geographies, geoprecisioncodes, licenseauthorities, schools, statefirms

Values:

0	Address
2	Zip+2 centroid
4	Zip+4 centroid
X	ZIP code centroid

growthcode

Tables Referenced: growthcodes, indoccmatrix

Values:

50-70	State-Defined Growth Types
DD	Declining
GG	Growing
SS	Stable

incomesource

Tables Referenced: income, incomesources

Values:

1	Census
2	HUD
3	BEA
6 – 8	State Defined Income Sources

institutiontype

Tables Referenced: institutiontypes, schools, supply

Values:

00	All Institutions
01	Secondary Schools
02	Public Adult Schools with occupational programs
03	Two-year, Technical, and Community Colleges
04	Four-year Colleges and Universities
05	Private Business and Technical Schools
06	JTPA Programs
07	Apprenticeship Programs
08	Hospital or Health Programs
09	Other education and training institutions
20	Law Enforcement Academies
21	Aviation and Flight Schools
22	WIA Providers
23	Department of Defense
50-70	State-Defined Institution Types
99	Not Available

lengthtype

Tables Referenced: lengthtypes, programs

Values:

01	Years
02	Semesters
03	Trimesters
04	Quarters
05	Months
06	Weeks
07	Days
08	Hours
09	Semester hours
10	Credit hours
99	Unknown

licenseeducation

Tables Referenced: licenseeducation

Values:

0	No education required
1	Specific course required
2	Degree required
9	Undetermined

licenseexam

Tables Referenced: licenseexams

Values:

0	no exam
1	state exam required
2	third-party exam required
3	both state and third-party exams required
4	choice of state or third-party exam
9	undetermined

licenseexperience

Tables Referenced: licenseexperience

Values:

0	no experience
1	affidavit or referral
2	experience
3	current employment
9	undetermined

licensephysicalreq

Tables Referenced: licensephysicalreqs

Values:

0	no physical requirements
1	vision test required
2	physical exam
3	more significant physical requirements
9	undetermined

licenseactivestatus

Tables Referenced: licenseactivestatus

Values:

0	active
1	no new licenses issued
2	replaced
3	no longer licensed

locationstatuscode

Tables Referenced: empdb, locationstatuses

Values:

0	Single location firm
1	Headquarters/home office
2	Branch office
3	Subsidiary headquarters

naicslevel

Tables Referenced: naicscodes, naicslevels

Values:

0	Total (000000)
1	Supersector
2	Sector (2 digit)
3	Subsector (3 digit)
4	Industry Group (4 digit)
5	Industry (5 digit)
6	US Industry (6 digit)
9	Not Specified
D	Domain

naicsuper

Tables Referenced: naicssectors, naicssupersectors

Values:

10	Total All Industries
101	Goods-Producing
1011	Natural Resources and Mining Sectors 11, 21
1012	Construction Sector 23
1013	Manufacturing Sectors 31-33
102	Service-Providing
1021	Trade, Transportation, and Utilities Sectors 42, 44-45, 48-49, 22
1022	Information Sector 51
1023	Financial Activities Sectors 52, 53
1024	Professional and Business Services Sectors 54, 55, 56
1025	Education and Health Services Sectors 61, 62
1026	Leisure and Hospitality Sectors 71, 72
1027	Other Services Sector 81
1028	Public Administration Sector 92
1029	Unclassified Sector 99
1030	Tribal employment

period

Tables Referenced:

bed, buildingpermits, ces,
commute, cpi, cpiplus, demographics, income,
iowage, industry, laborforce, licensehistory,
periods, periodtypes, population,
programcompleters, salesrevenue, supply,
taxrevenues, transferpayments, uiclaims

Values:

00	Annual
01	First Quarter
02	Second Quarter
03	Third Quarter
04	Fourth Quarter
01	January
02	February
03	March
04	April
05	May
06	June
07	July
08	August
09	September
10	October
11	November
12	December
00	Decennial
00	1-year ACS
00	5-year ACS

periodtype

Tables Referenced:

bed, buildingpermits, ces,
commute, cpi, cpiplus, demographics, income,
iowage, industry, laborforce, licensehistory,
periods, periodtypes, population,
programcompleters, salesrevenue, supply,
taxrevenues, transferpayments, uiclaims

Values:

01	Annual
02	Quarter
03	Monthly
04	Weekly
05	Decennial
06	Bimonthly
07	Semiannually (twice a year)
08	Biennially (every two years)
10	ACS 1-year estimates
36	ACS 3-year estimates
50-70	State-Defined Period Types (EXCEPT 60)
60	ACS 5-year estimates
99	Not Applicable

subtotal (occsublevels)

Tables Referenced:

matrixxocc, occdirectory, occsublevels

Values:

1	Total all occupations
2	Summary, major group
3	Summary, minor / intermediate group
4	Broad occupation
5	detailed occupation
6	Roll up
7	Collapsed
8	Outside the SOC/OES structure (invented code)

subtotal (indsublevels)

Tables Referenced:

matrixxind, inddirectory, indsublevels

Values:

1	Total all industries
2	Industry division
3	Major industry group
4	Industry
5	Rollup
6	Outside the SIC structure (invented code)
A	Total all industries
B	Domain
C	Super-Sector
D	Industry sector (2-digit)
E	Industry subsector (3-digit)
F	Industry group (4-digit)
G	Industry (5-digit)
H	U.S. Industry (6-digit)
I	Roll up
J	Outside the NAICS structure (invented code)

suppress

Tables Referenced:

bed, projectionsmatrix, industry

Values:

0	Data is not confidential
1	Data is confidential

tabletype

Tables Referenced: tablelist

Values:

A	Administrative table
D	Data table
L	Lookup table
X	Crosswalk table

taxtype

Tables Referenced: taxrevenues, taxtype

Values:

01	Sales tax
02	Real property tax
03	Personal property tax
04	Mineral tax
05	Use tax
06	Excise tax
07	Income tax
08	Ad Valorem
09	Local option sales taxes
10	State property taxes
11	State general sales and gross receipts sales
12	State alcoholic beverages sales tax

unittype

Tables Referenced: buildingpermits, unittype
Values:

00	Total all types construction permits
01	Total new construction
02	Total remodels/alterations
03	Single family residential new construction
04	Single family residential remodels/alterations
05	Multi family residential new construction
06	Multi family residential remodel/alterations
07	Residential, not specified new construction
08	Residential, not specified remodels/alterations
09	Commercial new construction
10	Commercial remodels/alterations
99	Unspecified

wagesource

Tables Referenced: iowage, wagesources

Values:

1	BLS Area Wage Survey
2	State Wage Survey
3	BLS Occupational Employment Statistics Survey
4	BLS/Census Current Population Survey
5	Davis Bacon Wage Survey
6-9	State-Defined Wage Types

Appendix A

Workforce Information Database, Version 3.0 – Recommended Load Order

Order	Table Name	Type
1	StateFips	L
2	AreaTypes	L
3	AreaTypeVersions	L
4	GeoPrecisionCodes	L
5	Geographies	L
6	SubGeographies	L
7	CodeFlags	L
8	PeriodYears	L
9	PeriodTypes	L
10	Periods	L
11	OccCodeTypes	L
12	CareerClusters	L
13	CareerPaths	L
14	BLSEducation	L
15	Experience	L
16	BLSTrainingCodes	L
17	CPIItems	L
18	OccSubLevels	L
19	OccDirectories	L
20	IndCodeTypes	L
21	WageRateTypes	L
22	SalesTypes	L
23	WageSources	L
24	IndSubLevels	L
25	Ownerships	L
26	PopulationSources	L
27	UnitTypes	L
28	CESCodes	L
29	CIPCodes	L
30	CompleterTypes	L
31	Genders	L
32	InstitutionOwnerships	L
33	InstitutionTypes	L
34	LengthTypes	L
35	NAICSDomains	L
36	NAICSSuperSectors	L
37	NAICSSectors	L
38	NAICSLevels	L
39	NAICSCodes	L
40	EthnicityCodes	L
41	RaceCodes	L
42	ONETCodes	L
43	IndDirectories	L
44	TransferPaymentTypes	L
45	SOCCodes	L
46	StateProgramCode	L
47	OccupationCodes	L
48	IndustryCodes	L
49	TaxTypes	L
50	AgeGroupTypes	L
51	AgeGroups	L
52	AnnualSalesCodes	L
53	AnnualSalesRanges	L
54	Benchmark	L
55	CPITypes	L
56	CPISources	L
57	CreditCodes	L
58	EmpSizeFlag	L
59	EmpSizeRange	L
60	GrowthCodes	L
61	IncomeSources	L
62	IncomeTypes	L
63	LayTitles	L
64	LicenseNumberTypes	L
65	LocationStatuses	L
66	PrivateGovt	L
67	BEDTypes	L
68	ClassTime	L
69	ContactProTitles	L
70	ContactTitles	L
71	SpecialIDs	L
72	StockExchange	L
73	IndOccSpecialIDs	L
74	BED	D
75	BuildingPermits	D
76	CES	D
77	Commute	D
78	CPI	D
79	CPIPlus	D
80	Demographics	D
81	EmpDBInf	L
82	EmpDB	D
83	Income	D
84	JOLTSTypes	L

Order	Table Name	Type
85	IndustrySums	A
86	JOLTS	D
87	Industry	D
88	ProjectionsMatrix	D
89	LaborForce	D
90	LicenseTypes	L
91	LicenseExams	L
92	LicenseEducation	L
93	LicenseContinuingEdu	L
94	LicenseCertifications	L
95	LicenseExperience	L
96	LicenseCriminal	L
97	LicensePhysicalReqs	L
98	LicenseActiveStatuses	L
99	LicenseVeteran	L
100	LicenseAuthorities	D
101	License	D
102	LicenseXLicense	X
103	LicenseHistory	D
104	IOWage	D
105	TransferPayments	D
106	Population	D
107	Schools	D
108	ProgramCompleters	D
109	Programs	D
110	SalesRevenue	D
111	Supply	D
112	TaxRevenues	D
113	UIClaims	D
114	OccupationXOccupation	X
115	IndustryXIndustry	X
116	LayTitleXOcc	X
117	LicenseXOcc	X
118	MatrixXInd	X
119	MatrixXOcc	X
120	TableList	A
121	TableSource	A

Notes for Suggested Load Order
Table Types: A=Admin; D=Data; L=Look-up; X=Crosswalk

OCCCODES is normally loaded by triggers. If triggers are not used, content for this table should be appended from the related lookup tables: CENSCODE, CIDSCODE, CIPCODE, CLUSCODE, DOTCODE, OCCDIR, OESCODE, ONETCODE, SOCCODE and STPROGCD.

INDCODES is normally loaded by triggers. If triggers are not used, content for this table should be appended from the related lookup tables: CENIND, SICCODE and NAICCODE.

Appendix B

Workforce Information Database, Version 3.0 – Core Tables List

Data Tables

- CES
- EmpDB
- ProjectionsMatrix
- IOWage
- Industry
- LaborForce
- License
- LicenseAuthorities

Look-up Tables

- AnnualSalesCodes
- AnnualSalesRanges
- AreaTypes
- AreaTypeVersions
- Benchmark
- CESCodes
- ContactProTitles
- ContactTitles
- CreditCodes
- EmpDBInf
- EmpSizeFlag
- EmpSizeRange
- Geographies
- GeoPrecisionCodes
- GrowthCodes
- IndCodeTypes
- IndDirectories
- IndSubLevels
- IndustryCodes
- LicenseContinuingEdu
- LicenseActiveStatuses
- LicenseCertifications
- LicenseCriminal
- LicenseEducation
- LicenseExams
- LicenseExperience
- LicensePhysicalReqs
- LicenseTypes
- LicenseVeteran
- LocationStatuses
- OccDirectories
- OccSubLevels
- OccCodeTypes
- Ownership
- Periods
- PeriodTypes
- PeriodYears
- PrivateGovt
- WageRateType
- StFips
- WageSources

Crosswalk Tables

- MatrixXInd
- MatrixXOcc

Appendix C

Workforce Information Database, Version 3.0 – Changes from Version 2.8

Basic Changes to the Geography and Time Period fields: The areatypeversion field has been added, to indicate which version of the area type is being used. This is especially for Metropolitan Statistical Area and any other area type that is changed regularly. The areatypeversion field has also been added to data tables where applicable.

Table periods: the periodyear field has been taken out of periods and placed in the new table periodyears. This eliminates duplicate period types and periods in the periods table. This also makes updating for the next year's data as easy as adding that year to the periodyears table. The field structure of data tables is unchanged, however, the periodyear foreign key reference now points to the periodyears table.

Name Changes: In the earliest versions of ALMIS/WID, field and tables names were restricted in length by the software of the time. Allowable name lengths are now much longer, allowing readable names to be used. All table and field names have been expanded from the abbreviations used in versions 2.x of the WID. The goal is to make such names more meaningful to users.

Changes to Industry and Occupation Lookup tables: In the WID structure there are two places for each industry and occupation to be stored. The IndustryCodes and OccupationCodes tables exist to power foreign keys and allow a single table to reference multiple codes. However, the descriptive content that goes along with a taxonomy is not always consistent, so those tables would either become bloated or lose a lot of information in order to store all taxonomies. Further, sometimes it's helpful to have a "complete" taxonomy – there are many exceptions made for things like OEWS-specific codes and when states are trying to make a tool that connects data across data sources having a clean taxonomy to relate back to can be necessary. The taxonomy tables - SOCCodes, NAICSCodes, CESCodes, CIPCodes, ONETCodes, etc –have been standardized for WID 3.0. The IndustryCodes code field has been expanded to char(10) to allow the inclusion of CES codes. The lengths of the Title fields have also been expanded and the order of the fields made consistent.

Tables added in v3.0:

Table Name	Description
AgeGroupTypes	The source of the age group listed in agegroups.
CodeFlags	This is a reference for what used to be the OESFlag field in SOCCodes. The Flag field is now present in both SOCCodes and NAICSCodes and states can define more exceptions than just for OEWS.
JOLTS	The Job Openings and Labor Turnover Survey program provides national estimates of rates and levels for job openings, hires, and total separations. Total separations are further broken out into quits, layoffs and discharges, and other separations.
JOLTSTypes	Types of the JOLTS numbers
LicenseXLicense	Table of re-licensing
PeriodYears	A list of valid years for data.
RaceCodes	Table of races
EthnicityCodes	Table of ethnicities
SpecialIDs	This is a table for grouping concepts for state analysis
TransferPayments	Transfer payments
TransferPaymentType	Transfer payment types

Appendix D

Workforce Information Database, Version 3.0 – Previous Table Names

WID 3.0 Name	WID 2.8 Name	Associated Program
AgeGroups	agegroup	UIClaims
AgeGroupTypes		UIClaims
AnnualSalesCodes	annslflg	EmpDB
AnnualSalesRanges	annslrng	EmpDB
AreaTypes	areatype	Structural
AreaTypeVersions		Structural
BED	bed	BED
BEDTypes	bedtypes	BED
Benchmark	benmark	LAUS, CES
BLSEducation	education	OEWS, Structural
BLSTrainingCodes	training	OEWS, Structural
BuildingPermits	blding	State Analysis
CareerClusters	careerclust	Education
CareerPaths	careerpaths	Education
CES	ces	CES
CESCodes	cescode	CES
CIPCodes	cipcode	Education
ClassTime	classtime	Education
CodeFlags		Structural
Commute	commute	Census
CompleterTypes	compltyp	Education
ContactProTitles	contactpro	EmpDB
ContactTitles	contacttitle	EmpDB
CPI	cpi	CPI
CPIItems		CPI
CPIPlus	cpiplus	CPI
CPISources	cpisource	CPI
CPITypes	cpitype	CPI
CreditCodes	creditcd	EmpDB
Demographics	demographics	Census
EmpDB	empdb	EmpDB
EmpDBInf	empdbinf	EmpDB
EmpSizeFlag	empszflg	EmpDB
EmpSizeRange	empszrng	EmpDB
EthnicityCodes		Structural
Experience	experience	OEWS, Structural
Genders	gender	UIClaims
Geographies	geog	Structural
GeoPrecisionCodes	geocode	Structural
GrowthCodes	growcode	Projections
Income	income	Census/BEA

IncomeSources	incsourc	Census/BEA
IncomeTypes	incomtyp	Census/BEA
IndCodeTypes	indtypes	Structural
IndDirectories	inddir	Projections
IndOccSpecialIDs	iospecialid	State Analysis
IndSubLevels	indsub	Projections
Industry	industry	QCEW
IndustryCodes	indcodes	Structural
IndustrySums	indsum	State Analysis
IndustryXIndustry	indxind	Structural
InstitutionOwnerships	instown	EmpDB
InstitutionTypes	insttype	EmpDB
IOWage	iowage	OEWS
JOLTS		JOLTS
JOLTSTypes		JOLTS
LaborForce	labforce	LAUS
LayTitles	laytitle	State Analysis
LayTitleXOcc	laytxocc	State Analysis
LengthTypes	lentype	Education
License	license	License
LicenseActiveStatuses	licenseactivestatus	License
LicenseAuthorities	licauth	License
LicenseCertifications	licensecertification	License
LicenseContinuingEdu	liccontinuingedu	License
LicenseCriminal	licensecriminal	License
LicenseEducation	licenseeducation	License
LicenseExams	licenseexams	License
LicenseExperience	licenseexperience	License
LicenseHistory	lichist	License
LicenseNumberTypes	licnumty	License
LicensePhysicalReqs	licensephysicalreqs	License
LicenseTypes	licensetypes	License
LicenseVeteran	licenseveteran	License
LicenseXLicense		License
LicenseXOcc	licxocc	License
LocationStatuses	locstat	EmpDB
MatrixXInd	matxind	Projections
MatrixXOcc	matxocc	Projections
NAICSCodes	naiccode	QCEW, Structural
NAICSDomains	naicdom	QCEW, Structural
NAICSLevels	naicslvl	QCEW, Structural
NAICSSectors	naicsect	QCEW, Structural
NAICSSuperSectors	naicsupr	QCEW, Structural

OccCodeTypes	occtypes	Structural
OccDirectories	occdir	Projections
OccSubLevels	occsub	Projections
OccupationCodes	occcodes	Structural
OccupationXOccupation	occxocc	Structural
ONETCodes	onetcode	License
Ownerships	ownershp	QCEW
Periods	period	Structural
PeriodTypes	periodty	Structural
PeriodYears		Structural
Population	populatn	Census
PopulationSources	popsource	Census
PrivateGovt	prvgovst	EmpDB
ProgramCompleters	progcomp	Education
Programs	programs	Education
ProjectionsMatrix	iomatrix	Projections
RaceCodes	raceethn	UIClaims
SalesRevenue	sales	EmpDB
SalesTypes	salestyp	EmpDB
Schools	schools	Education
SOCCodes	soccode	OEWS, Structural
SpecialIDs		State Analysis
StateFips	stfipstb	Structural
StateProgramCode	stprogcd	Education
StockExchange	stockexch	EmpDB
SubGeographies	subgeog	Structural
Supply	supply	Education
TableList	tabllist	Structural
TableSource	tablsrce	Structural
TaxRevenues	tax	State Analysis
TaxTypes	taxtype	State Analysis
TransferPayments		State Analysis
TransferPaymentTypes		State Analysis
UIClaims	uiclaims	UIClaims
UnitTypes	unittype	State Analysis
WageRateTypes	ratetype	OEWS
WageSources	wgsource	OEWS

Additionally, some tables were removed and have no equivalent in version 3.0.

Retired tables:

cidscode
cluscode
esdata
eventtyp
inddiv
itemcpi
jvs
jvsaddit
leveltyp
moccode
mocxocc
mpc
oohtrntm
payment
paytype
periodid
qwichar
qwidata
qwisup
qwitype
schgrade
sizeclas
stfirms
svc
worksite
edulevel
explevel
benefit
lengthopen
meeicode
stattype