

# Area Health Resource File(AHRF)

## Summary

- **Topic/focus:** Cost and Utilization, Demographics, Healthcare Facilities and Services, Vital events, Other
- **Year(s):** 1997, 2008 (EDRC); Current data (online) Loaded data 2000-2013
- **Source:** [HRSA](#)
- **Study and sample characteristics:** Health information based on geographic region
- **Variables:** 6932 in the AHRF file and 1122 in the ARHFSN file
  - Link to [HRSA](#)
  - Downloaded variable dictionaries are located in the google drive under WHI Data Science/Data Sources/AHRF
- **Access:** Publically available but store in SAS fixed length format. For CSV or redshift request access from data science core
- **Cost:** Free to download
- **Key web links:** [HRSA](#)
- **Description:** County-Level Data single downloadable zip file (contains the data use license agreement, all documentation and the 2014-2015 Area Health Resources Files in ASCII format) State and National-Level Data single downloadable zip file (contains the data use license agreement, all the documentation and the 2014-2015 State and National Area Health Resources Files in ASCII format) MS Access Database version in a single downloadable .zip file (contains MS Access installer for the AHRF). Please unzip the file, double click on the AHRFsetup.exe, and follow the instructions from the 2014-2015 AHRF Access System Setup Wizard to setup the MS Access Database version of AHRF data.
- **Additional User and Technical Documentation:** Documentation in a single downloadable zip file (contains technical and user documentation for the 2014-2015 County Area Health Resources Files) Documentation in a single downloadable zip file (contains technical and user documentation for the 2014-2015 State and National Area Health Resources Files)

## Example SQL statements

```

1  SELECT ahrf_section_1.fips_st_city_codeid, tableName1.columnName1
2  FROM ahrf.ahrf_section_1
3  INNER JOIN ahrf.ahrf_section_2
4  ON ahrf_section_1.fips_st_city_code = ahrf_section_2.fips
5  INNER JOIN ahrf.ahrf_section_3
6  ON ahrf_section_1.fips_st_city_code = ahrf_section_3.fips
7
8  ORDER BY ahrf_section_1.fips_st_city_code

```

- section# is the different sections of the AHRF data that you want to pull in.
- columnName# is the columns from those tables you want to pull in.
- The SELECT statement is which columns you want from each database.
- For each section you want columns from add another INNER JOIN line for that section.
- order by sorts the tables on a specific column name

## Using the AHRF

The AHRF is a very large database having over 5000 questions asked for each county across the united states. As such there is a smaller database that has been normalized in AHRF\_prescriber\_total\_by\_year that contains the total for each county for the years that were in the original database of 13 different disciplines of doctors. The original database has information on additional subdivisions of each discipline such as age group, sex, and discipline type.

## Linking the AHRF by zip code

The AHRF currently links information across the US by use of the fips county code with some text representation of what each county is. The [ZCTA county](#) database allows conversion from county codes to zip codes. Below is an example SQL query of how to join the two databases by finding the possible all the zip codes in each county.

### Link syntax

```

1  SELECT ahrf_prescriber_total_by_year.state,ahrf_prescriber_total_
2  INNER JOIN zcta_county.zcta_county_rel_10
3  ON ahrf_prescriber_total_by_year.fips_st_cty_code = zcta

```

## Dental Table

The table name is dental\_availability and is in schema AHRF.

ORIGINAL FIELD NAME	FIELD NAME IN DATABASE	YEAR OF DATA	VARIABLE NAME	CHARACT SOURCE
fips_st_cty_code	fips_st_cty_code	All		
f00008	State	All		
f12424	State_abv	All		
f00010	County_name	All		
f00012	fips_county_code	All		
f04437	county_state	All		
F14650-14	Dentists_w_NPI_2014	2014	Dentists w/NPI	With CMS N Doc
F14650-13	Dentists_w_NPI_2013	2013	Dentists w/NPI	With CMS N Doc
F14650-12	Dentists_w_NPI_2012	2012	Dentists w/NPI	With CMS N Doc
F14650-11	Dentists_w_NPI_2011	2011	Dentists w/NPI	With CMS N Doc
F14650-10	Dentists_w_NPI_2010	2010	Dentists w/NPI	With CMS N Doc
F14896-14	Dentists_Male_w_NPI_2014	2014	Dentists, Male w/NPI	With CMS N Doc
F14896-13	Dentists_Male_w_NPI_2013	2013	Dentists, Male w/NPI	With CMS N Doc
F14896-12	Dentists_Male_w_NPI_2012	2012	Dentists, Male w/NPI	With CMS N Doc
F14896-11	Dentists_Male_w_NPI_2011	2011	Dentists, Male w/NPI	With CMS N Doc
F14897-14	DentistsFemale_w_NPI_2014	2014	Dentists,Female w/NPI	With CMS N Doc
F14897-13	DentistsFemale_w_NPI_2013	2013	Dentists,Female w/NPI	With CMS N Doc
F14897-12	DentistsFemale_w_NPI_2012	2012	Dentists,Female w/NPI	With CMS N Doc
F14897-11	DentistsFemale_w_NPI_2011	2011	Dentists,Female w/NPI	With CMS N Doc
F13183-13	Dentists_Total_Prof_Active_2013	2013	Dentists, Total Prof Active	Non-Fed & F
F13183-10	Dentists_Total_Prof_Active_2010	2010	Dentists, Total Prof Active	Non-Fed & F
F13183-09	Dentists_Total_Prof_Active_2009	2009	Dentists, Total Prof Active	Non-Fed & F
F13183-07	Dentists_Total_Prof_Active_2007	2007	Dentists, Total Prof Active	Non-Fed & F
F13171-13	Dentists_Total_Priv_Practice_2013	2013	Dentists, Total Priv Practice	Non-Fed
F13171-10	Dentists_Total_Priv_Practice_2010	2010	Dentists, Total Priv Practice	Non-Fed
F13171-09	Dentists_Total_Priv_Practice_2009	2009	Dentists, Total Priv Practice	Non-Fed
F13171-07	Dentists_Total_Priv_Practice_2007	2007	Dentists, Total Priv Practice	Non-Fed
F13179-13	Dentists_State_or_Local_Govt_2013	2013	Dentists, State or Local Govt	Non-Fed
F13179-10	Dentists_State_or_Local_Govt_2010	2010	Dentists, State or Local Govt	Non-Fed

F13179-09	Dentists_State_or_Local_Govt_2009	2009	Dentists, State or Local Govt	Non-Fed
F13179-07	Dentists_State_or_Local_Govt_2007	2007	Dentists, State or Local Govt	Non-Fed
F13282-13	DentStaff_Fac_StafHlth_Org_2013	2013	Dent,Staff, Fac & Staf,Hlth Org	Non-Fed
F13282-10	DentStaff_Fac_StafHlth_Org_2010	2010	Dent,Staff, Fac & Staf,Hlth Org	Non-Fed
F13282-09	DentStaff_Fac_StafHlth_Org_2009	2009	Dent,Staff, Fac & Staf,Hlth Org	Non-Fed
F13282-07	DentStaff_Fac_StafHlth_Org_2007	2007	Dent,Staff, Fac & Staf,Hlth Org	Non-Fed
F13181-13	Dentists_Grad_Student_Resident_2013	2013	Dentists, Grad Student/Resident	Non-Fed
F13181-10	Dentists_Grad_Student_Resident_2010	2010	Dentists, Grad Student/Resident	Non-Fed
F13181-09	Dentists_Grad_Student_Resident_2009	2009	Dentists, Grad Student/Resident	Non-Fed
F13181-07	Dentists_Grad_Student_Resident_2007	2007	Dentists, Grad Student/Resident	Non-Fed
F13184-13	DentArmed_Forces_Oth_Fed_Srv_2013	2013	Dent,Armed Forces & Oth Fed Srv	Fed
F13184-10	DentArmed_Forces_Oth_Fed_Srv_2010	2010	Dent,Armed Forces & Oth Fed Srv	Fed
F13184-09	DentArmed_Forces_Oth_Fed_Srv_2009	2009	Dent,Armed Forces & Oth Fed Srv	Fed
F13184-07	DentArmed_Forces_Oth_Fed_Srv_2007	2007	Dent,Armed Forces & Oth Fed Srv	Fed
F13286-13	Dentists_Dental_School_Faculty_2013	2013	Dentists, Dental School Faculty	Non-Fed
F13286-10	Dentists_Dental_School_Faculty_2010	2010	Dentists, Dental School Faculty	Non-Fed
F13286-09	Dentists_Dental_School_Faculty_2009	2009	Dentists, Dental School Faculty	Non-Fed
F13286-07	Dentists_Dental_School_Faculty_2007	2007	Dentists, Dental School Faculty	Non-Fed
F14092-13	DentistsPT_Faculty_PT_Practice_2013	2013	Dentists,PT Faculty/PT Practice	Non-Fed
F14092-10	DentistsPT_Faculty_PT_Practice_2010	2010	Dentists,PT Faculty/PT Practice	Non-Fed
F14092-09	DentistsPT_Faculty_PT_Practice_2009	2009	Dentists,PT Faculty/PT Practice	Non-Fed
F14092-07	DentistsPT_Faculty_PT_Practice_2007	2007	Dentists,PT Faculty/PT Practice	Non-Fed
F14093-13	Dentists_Seeking_Employment_2013	2013	Dentists, Seeking Employment	Non-Fed; No
F14093-10	Dentists_Seeking_Employment_2010	2010	Dentists, Seeking Employment	Non-Fed; No
F14093-09	Dentists_Seeking_Employment_2009	2009	Dentists, Seeking Employment	Non-Fed; No

Area Health Resource File(AHRF) - Data Science - WHI Data Science Wiki

F14093-07	Dentists_Seeking_Employment_2007	2007	Dentists, Seeking Employment	Non-Fed; No
F13283-13	Dentists_Other_Occupation_2013	2013	Dentists, Other Occupation	Non-Fed
F13283-10	Dentists_Other_Occupation_2010	2010	Dentists, Other Occupation	Non-Fed
F13283-09	Dentists_Other_Occupation_2009	2009	Dentists, Other Occupation	Non-Fed
F13283-07	Dentists_Other_2007	2007	Dentists, Other	Non-Fed
F13284-13	Dentists_No_Longer_in_Practice_2013	2013	Dentists, No Longer in Practice	Non-Fed
F13284-10	Dentists_No_Longer_in_Practice_2010	2010	Dentists, No Longer in Practice	Non-Fed
F13284-09	Dentists_No_Longer_in_Practice_2009	2009	Dentists, No Longer in Practice	Non-Fed
F13284-07	Dentists_No_Longer_in_Practice_2007	2007	Dentists, No Longer in Practice	Non-Fed
F14094-09	Dentists_Occup_Type_Unknown	2009	Dentists, Occup Type Unknown	Non-Fed
F14094-07	Dentists_Occup_Type_Unknown	2007	Dentists, Occup Type Unknown	Non-Fed
F10506-13	Dentists_Total_Priv_Pract_FT_2013	2013	Dentists, Total, Priv Pract, FT	Non-Fed
F10506-10	Dentists_Total_Priv_Pract_FT_2010	2010	Dentists, Total, Priv Pract, FT	Non-Fed
F10506-09	Dentists_Total_Priv_Pract_FT_2009	2009	Dentists, Total, Priv Pract, FT	Non-Fed
F10506-07	Dentists_Total_Priv_Pract_FT_2007	2007	Dentists, Total, Priv Pract, FT	Non-Fed
F10507-13	Dentists_Total_Priv_Pract_PT_2013	2013	Dentists, Total, Priv Pract, PT	Non-Fed
F10507-10	Dentists_Total_Priv_Pract_PT_2010	2010	Dentists, Total, Priv Pract, PT	Non-Fed
F10507-09	Dentists_Total_Priv_Pract_PT_2009	2009	Dentists, Total, Priv Pract, PT	Non-Fed
F10507-07	Dentists_Total_Priv_Pract_PT_2007	2007	Dentists, Total, Priv Pract, PT	Non-Fed
F13172-13	Dent_Total_Male_Priv_Pract_2013	2013	Dent, Total Male, Priv Pract	Non-Fed
F13172-10	Dent_Total_Male_Priv_Pract_2010	2010	Dent, Total Male, Priv Pract	Non-Fed
F13172-09	Dent_Total_Male_Priv_Pract_2009	2009	Dent, Total Male, Priv Pract	Non-Fed
F13172-07	Dent_Total_Male_Priv_Pract_2007	2007	Dent, Total Male, Priv Pract	Non-Fed
F13173-13	Dent_Total_Female_Priv_Pract_2013	2013	Dent, Total Female, Priv Pract	Non-Fed
F13173-10	Dent_Total_Female_Priv_Pract_2010	2010	Dent, Total Female, Priv Pract	Non-Fed
F13173-09	Dent_Total_Female_Priv_Pract_2009	2009	Dent, Total Female, Priv Pract	Non-Fed

Area Health Resource File(AHRF) - Data Science - WHI Data Science Wiki

F13173-07	Dent_Total_Female_Priv_Pract_2007	2007	Dent, Total Female, Priv Pract	Non-Fed
F14095-13	Dent_Gender_UnknownPriv_Pract_2013	2013	Dent, Gender Unknown,Priv Pract	Non-Fed
F14095-10	Dent_Gender_UnknownPriv_Pract_2010	2010	Dent, Gender Unknown,Priv Pract	Non-Fed
F14095-09	Dent_Gender_UnknownPriv_Pract_2009	2009	Dent, Gender Unknown,Priv Pract	Non-Fed
F14095-07	Dent_Gender_UnknownPriv_Pract_2007	2007	Dent, Gender Unknown,Priv Pract	Non-Fed
F13174-13	Dent_Priv_PractTot_GPs_Ped_2013	2013	Dent, Priv Pract,Tot GPs & Ped	Non-Fed;Gen Pediatrics
F13174-10	Dent_Priv_PractTot_GPs_Ped_2010	2010	Dent, Priv Pract,Tot GPs & Ped	Non-Fed;Gen Pediatrics
F13174-09	Dent_Priv_PractTot_GPs_Ped_2009	2009	Dent, Priv Pract,Tot GPs & Ped	Non-Fed;Gen Pediatrics
F13174-07	Dent_Priv_PractTot_GPs_Ped_2007	2007	Dent, Priv Pract,Tot GPs & Ped	Non-Fed;Gen Pediatrics
F13175-13	Dent_Priv_PractTot_Other_Spec_2013	2013	Dent, Priv Pract,Tot Other Spec	Non-Fed;All Specialties
F13175-10	Dent_Priv_PractTot_Other_Spec_2010	2010	Dent, Priv Pract,Tot Other Spec	Non-Fed;All Specialties
F13175-09	Dent_Priv_PractTot_Other_Spec_2009	2009	Dent, Priv Pract,Tot Other Spec	Non-Fed;All Specialties
F13175-07	Dent_Priv_PractTot_Other_Spec_2007	2007	Dent, Priv Pract,Tot Other Spec	Non-Fed;All Specialties
F10498-13	Active_Dentists_less_35_2013	2013	1. Active Dentists < 35	Non-Fed;Priv Practice
F10498-10	Active_Dentists_less_35_2010	2010	1. Active Dentists < 35	Non-Fed;Priv Practice
F10498-09	Active_Dentists_less_35_2009	2009	1. Active Dentists < 35	Non-Fed;Priv Practice
F10498-07	Active_Dentists_less_35_2007	2007	1. Active Dentists < 35	Non-Fed;Priv Practice
F11318-13	Active_Dentists_35_to_44_2013	2013	1. Active Dentists 35-44	Non-Fed;Priv Practice
F11318-10	Active_Dentists_35_to_44_2010	2010	1. Active Dentists 35-44	Non-Fed;Priv Practice
F11318-09	Active_Dentists_35_to_44_2009	2009	1. Active Dentists 35-44	Non-Fed;Priv Practice
F11318-07	Active_Dentists_35_to_44_2007	2007	1. Active Dentists 35-44	Non-Fed;Priv Practice
F11319-13	Active_Dentists_45_to_54_2013	2013	1. Active Dentists 45-54	Non-Fed;Priv Practice
F11319-10	Active_Dentists_45_to_54_2010	2010	1. Active Dentists 45-54	Non-Fed;Priv Practice
F11319-09	Active_Dentists_45_to_54_2009	2009	1. Active Dentists 45-54	Non-Fed;Priv Practice
F11319-07	Active_Dentists_45_to_54_2007	2007	1. Active Dentists 45-54	Non-Fed;Priv Practice
F13176-13	Active_Dentists_55_to_64_2013	2013	1. Active	Non-Fed;Priv

Area Health Resource File(AHRF) - Data Science - WHI Data Science Wiki

			Dentists 55-64	Practice
F13176-10	Active_Dentists_55_to_64_2010	2010	1. Active Dentists 55-64	Non-Fed;Priv Practice
F13176-09	Active_Dentists_55_to_64_2009	2009	1. Active Dentists 55-64	Non-Fed;Priv Practice
F13176-07	Active_Dentists_55_to_64_2007	2007	1. Active Dentists 55-64	Non-Fed;Priv Practice
F10505-13	Active_Dentists_65_more_2013	2013	1. Active Dentists 65 +	Non-Fed;Priv Practice
F10505-10	Active_Dentists_65_more_2010	2010	1. Active Dentists 65 +	Non-Fed;Priv Practice
F10505-09	Active_Dentists_65_more_2009	2009	1. Active Dentists 65 +	Non-Fed;Priv Practice
F10505-07	Active_Dentists_65_more_2007	2007	1. Active Dentists 65 +	Non-Fed;Priv Practice
F13285-13	Active_Dentists_Age_Unknown_2013	2013	1. Active Dentists Age Unknown	Non-Fed;Priv Practice
F13285-10	Active_Dentists_Age_Unknown_2010	2010	1. Active Dentists Age Unknown	Non-Fed;Priv Practice
F13285-09	Active_Dentists_Age_Unknown_2009	2009	1. Active Dentists Age Unknown	Non-Fed;Priv Practice
F13285-07	Active_Dentists_Age_Unknown_2007	2007	1. Active Dentists Age Unknown	Non-Fed;Priv Practice

## Sources

All information relating to data elements descriptions and database summaries have been pulled from the database providers website located here: <http://ahrf.hrsa.gov/>.