qwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjkl zxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiop asdfghjk vbnmqw **LEP Data Resources and Instructions Guide** ertyuiop ghjklzxc Methods for Determining the Concentration and Characteristics of Limited English Proficient (LEP) Communities vbnmqw uiopasd 4/20/2021 LEP Committee, Title VI Interagency Working Group fghjklzxc yuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvb nmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfg hjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyu iopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcv bnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdf

Summary

Contents

This data resources and instructions guide delineates three methods for locating demographic data for LEP communities in the United States. Special attention is paid to designing multi-variable models and utilizing different geographical data sets in order to formulate a more precise representation of groups.



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Resource Sheet and Instructions for EPA EJ Screen Additional Sources of LEP Data

Resource Sheet for Data.census.gov

Data.census.gov allows users to search massive amounts of data at multiple levels of geography over time. The American Community Survey (ACS) collects demographic variables such as: age, race, national origin, gender, marital status, ancestry, and **language**.

This resource sheet is designed to help Federal agencies and other service providers determine the concentration of individuals with limited English proficiency (LEP) in a given geographic area using data.census.gov. Knowing the languages spoken by LEP individuals in an area may help agencies understand the communities that they serve and allow them to leverage resources to meet the language needs of the LEP public.

How to access Demographic Data using Data.census.gov

- 1. Go to <u>data.census.gov.</u> (For more information on the ACS, visit <u>census.gov/programs-surveys/acs</u>.)
- 2. The best way to get to the right data is to type "B16001" into the prompt. This will lead to Table B16001, which tabulates English proficiency numbers by language spoken at home for those age 5 or more. (Those who "speak English less than 'very well'" and speak a language other than English at home are considered LEP.) The data is available in both 1-year and 5-year ACS estimates for different years, using the menu directly under the table title. Note that 1-year data is more current, but 5-year data is more reliable. https://www.census.gov/programs-surveys/acs/guidance/estimates.html.
- 3. You can find additional language data by clicking on the "Search" bar at the top of the page, then selecting the "Advanced Search" from the drop-down list.
 - a. Search using selection options.
 - Selecting Language Spoken at Home: Using the menu on the left called "Browse Filters," select "Topics." Then select "Populations & People." On the new menu, click "Language Spoken at Home," and you will see the selected filter appear at the bottom of the window. Then click "Search" at the bottom of the page. (See screen shot)

Baroke		
// Search / Advanced Search		
Advanced	Search	
Table ID (e.g., DP05)		
Narrow search with	filters	
FIND A FILTER		
e.g. 336111 - Automobile	Manufacturi	
BROWSE FILTERS	TOPICS	POPULATIONS AND PEOPLE
Topics	Business and Economy	Populations and People
Geography	Education	Age and Sex
Years	Employment	Computer and Internet Use
Surveys	Families and Living Arrangements	Language Spoken at Home
Codes	Government	Older Population
	Health	Residential Mobility
	Housing	Veterans
	Populations and People	Voting and Registration
	Race and Ethnicity	Ancestry
		Counts, Estimates, and Projections
-		Native and Foreign Born
		Population Change and Components

ii. From that page, you will have to select "View All Tables," found at the bottom of the first sub-header labelled "Tables" to arrive at the page with all of the language tables.



Limited English Proficiency Committee Title VI Interagency Working Group (April 2021) iii. From there, scroll down the left menu bar down to the data set you prefer. Again, we suggest the table titled "Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over (Table B16001)." Once you have the correct table, click "customize table" to set the geographic area for your data, or to create a map.

Census	Q, Search		
ALL TABLES MAPS PAGES 53 Results Filter Download	LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH FOR THE POP Benegithegreen. American Community Survey Tablets: 014601	Pulation S YEARS AND OVER Product: 2018: ACS 1-Vera Extinates Detailed Tables Induction S years and over	CUSTOMIZE TABLE
Table: 808513 -		United	States
LANGUAGE AND ABILITY TO SPEAK		Estimate	Mar entr
ENGLISH OF GRANDPARENTS LIVING WITH	✓ Total:	307,521,124	+/ 20,038
OWN GRANDCHILDREN UNDER 18 YEARS BY RESPONSIBILITY FOR OWN	Speak only English	240,252,455	+/-197,302
GRANDCHILDREN AND AGE OF	✓ Spanish:	41,460,427	+/-131,886
GRANDPARENT	Speak English 'very well'	25,196,491	+/-98,990
Survey/Program: American Community Survey Years:	Speak English less mei "	16,263,936	+/-91,816
2018;2017;2016;2015;2014;2013;2012;2011;2010 Table: 810054	Forek .	1,232,173	+/-28,342
	ex English "very well"	963,114	+/-21,650
LANGUAGE SPOKEN AT HOME BY ABILITY	weak English less than "very well"	293,039	+/-13,605
5 YEARS AND OVER	✓ Haffan:	834483	+/ 03,230
Survey/Program: American Community Survey	Speak English 'very well'	513,295	+/-24,054
Years: 2018;2017;2016;2015;2014;2015;2012;2011;2010	Speak English less than "very well"	321,187	+/-10,711
Table: 816001	∨ tais:	553,091	+/-16,341
DETAILED HOUSEHOLD LANGUAGE BY	Speak English 'very well'	419,028	+/-12,042
HOUSEHOLD LIMITED ENGLISH SPEAKING	Speak English less than 'very well'	134,663	+/7,023
STATUS	✓ Portaguese:	816,474	+/23,259
Years	Speak English 'Very well'	533,728	+/-16,121
2018;2017;2016;2015;2014;2013;2012;2011;2010 Table: 816002	Speak English less than "very well"	282,745	+/-14,302
	✓ German	899,051	+/-19,792
Load More	Speak English 'Very well'	758,641	+/-17,261
	Speak English less than 'very well'	131,010	+/-7,462
Aconsibility	 Yiddish, Pennsylvania Dutch or other West Germanic languages: 	533,147	+/-17,549
and the second sec	Snask Enrich 'servicel"	224.427	4614.917

iv. Customizing a table gives you a variety of options, but we are going to focus on setting a smaller geographic area than the default for the entire United States. Before you click the Geo (Geographies) button in the header, you can select from 1-year and 5-year ACS data sets (not all geographic areas are available in the more accurate 5-year ACS).

Census	Q, Search		
// Search / Tables / 816001 LANGUAGE SPOKEN AT HOME BY Reven Program. American Community Bure	ABILITY TO SPEAK ENGLISH FOR THE POPULATION 5 YEARS AN ey Universe: Provider 5 years and over Tabletic 816001 Product 2018.4C2 1-	ND OVER View Extension Detailed Tables 🗸	
Duta Notes Selections Geograph	ties Years 1 Topic Survey Code Hide Filter Sort Transpose	Table Margin of Error Protoc Layout Download Print Share None Data Map	
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12		307,521,124	*/ 20,55
speak only English		240,332,456	4/-107,32
🗸 Spanish:		41,460,427	4-121,00
Speak English "very well"		25,196,401	+/10,99
Speak English less than "very well	r.	16,263,936	4/91,83
✓ French (incl. Cajun):		1,232,178	+/28.34
Speak English "very well"		963,114	+/21,69
Speak English less than 'very well	r	269,059	4/18,60
✓ Haltian:		834,483	4/32,23
Speak English "very well"		511,296	4/24,55
Speak English less than 'very well	r	221,187	4/16/7
✓ talas:		553,691	4/16,34
Speak English "very well"		411,028	1/-12,04
Speak English less than "very well	r	134,663	+/-7,82
✓ Portuguese:		816,474	+/28,29
Speak English "very well"		533,728	+/-16,12
Speak English less than "very well	r	282,746	4/14,30
✓ Gernax:		885,651	4/19/9
Speak English "very well"		758,641	4/17,25
Speak English less than 'very well	r -	131,010	157,462
w Weight Parameteria Database athe	e Mest Cermonin Januaros:	511.97	4/1758

- v. Once you select "Geos" in the menu bar, you can refine your search by clicking on the "Show Summary Levels" switch. Here, we selected "040 State," and chose "Utah" from the next list. Click "Close" and you will have your table of LEP populations in Utah.
 - From there you can download this data (by clicking the "Download" button), or apply it to a map (by selecting the "Map" button) The mapping function, though limited, allows you to examine and compare geographical areas.
 - Helpful Geography searches include "040 State,"
 "330 Combined Statistical Area," "500 Congressional District," and "795 – Public Use Microdata Area." Definitions are provided below.
 - Please note that the tables include people who "Speak only English" and people who "Speak English very well."

Census Q. Search		
# Search / Tables / 816001 LANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH FOR THE POPULATION 5 YEARS a BarweyProgram: American Community Survey Universe: Population Sytems and over TableD: 816001 Product: 2018.ACS	AND OVER	
Data Notes Selections 1 Geography Years 1 Topic Survey Code Hide Filter Sort Transpos	Table Margin of Error Restore Layout Download Print Share More Data Map	
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apeak engine vey wei	180	*2-102
Speak English less than "very well"	75	4/-77
✓ Italian	2,242	6/341
Speak English "very well"	1,812	1/281
Speak English less than "very well"	430	+/-137
✓ Portuguese:	10,521	+/951
Speak English 'very wel'	8,755	+/-845
Speak English less than "very well"	1,766	4/-507

b. Here are a few examples of tables that can be made with the B16001 data set that illustrate the different geographic areas that can be studied.

Definitions of Geographic Terms:

330 – Combined Statistical Area: a combination of adjacent metropolitan and mircropolitan statistical areas that reflect social and economic connection.

795 – Public Use Microdata Area (PUMA): a statistical geographic area that contains at least 100,000 people and is usually geographically contiguous.

Example #1:

Variables: Topic (language) and Geography/**Table:** Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over (B16001)

Congressional District: <u>Congressional District 2 (116th Congress)</u>, <u>Utah</u> Product: <u>2018 ACS 5-year estimates</u>



// Search // Tables // Blo01 ANGUAGE SPOKEN AT HOME BY ABILITY TO SPEAK ENGLISH FOR THE POPULATION 5 YEARS AND OVER unvey/Program: American Community Survey Universe: Population 5 years and over Tabletic B16001 Product: 2018. AC5 5 Year Estimates Detailed Tables >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>									
Data Notes Selections 1 Geography Year	123 123 123 123 110 Topic Survey Code Hide Filter	JT & 25 ¹⁰ ★ → Sort Transpose Table Margin of Error Restore Layout	Downloa						
		Congressional District 2 (116th Congress), Utah							
		Estimate							
✓ Total:		696,581							
Speak only English		580,615							
✓ Spanish:		80,078							
Speak English "very well"		52,006							
Speak English less than "very well"		28,072							
✓ French (incl. Cajun):		1,885							
Speak English "very well"		1,620							
Speak English less than "very well"		265							
✓ Haitian:		8							
Speak English "very well"		8							
Speak English less than "very well"		0							
✓ Italian:		748							
Speak English "very well"		522							
Speak English less than "very well"		226							

Example #2:

Variables: Topic (language) and Geography/**Table:** Language Spoken at Home for the Population 5 Years and Over (B16001)

PUMA: <u>Salt Lake County (Northeast) – Salt Lake City (East) PUMA, Utah</u> Product: <u>2018 ACS 5-year estimates</u>

IGUAG	E SPOKEN AT H	HOME BY AB	Univers	TO SPE	AK ENGL	ISH FOR	THE P	OPULA B16001	TION	SYEARS AND O uct: 2018: ACS 5-Year E	VER Estimates Detailed 1	ables
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7' 7' (F	90 - SuperPUMA v 95 - Public Use M PUMA)		Ala: Ariz	ska ona					Salt Lake County (i Murray (East), Holl Millcreek PUMA; U	East Central) aday Cities & tah		
8	50 - ZCTA3 51 - ZCTA3 within		Cali	fornia prado				~	Salt Lake County (Lake City (East) PU Salt Lake County (Northeast)Salt JMA, Utah Northwest)Salt		

Cens	Census Area												
// Search / Ta LANGUAGE Survey/Program	bles / B16001 SPOKEN AT H a: American Comm	HOME BY AE	BILITY . Universe	TO SPEA	AK ENG	LISH F(and over	OR THE	POPUL : B16001	ATION	I 5 YEARS AND uct: 2018: ACS 5-Year	OVER Estimates Detailed Ta	ables 🗸	
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							Salt I	ake Cou	nty (No	rtheast)Salt Lake (City (East) PUMA, Uta	ih	
										Estimate			
✓ Total:											114	,868	
Speak o	only English										95	,940	
✓ Spanish											7	,783	
Speak	English "very we	d1"									5	,840	
Speak	English less that	n "very well"									1	,943	
✓ French	(incl. Cajun):											507	
Speak	English "very we	d1"										425	
Speak	English less that	n "very well"										82	
✓ Haitian:												0	
Speak	English "very we	41-										0	
Speak	English less that	n "very well"										0	
✓ Italian:												286	
Speak	✓ Italian: Speak English "very well"											223	
Speak	English less that	n "very well"										63	

Example #3:

Variables: Topic (language) and Geography/**Table:** Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over (B16001)

Combined Statistical Area: <u>Salt Lake City-Provo-Orem, Utah</u> Product: <u>2018 ACS 5-year estimates</u>



Search / Tables / B16001 NGUAGE SPOKEN AT HO rvey/Program: American Commu	ME BY ABIL	ITY TO SPE	AK ENG	LISH FO	R THE I	POPUL B16001	ATION	5 YEA	RS AND C	VER Estimates Detailed Ta	ables 🗸	
Data Notes Selections	စ် I Geography ၂	(ears 1 Topic	C Survey	123 Code	900 Hide	\ Filter	J Sort	Trans	and B Spose Table	+∕— Margin of Error	<i>⊋</i> Restore Layout	Download
							Salt La	ke City-P	rovo-Orem,	UT CSA		
								Es	timate			
✓ Total:										2,299,	818	
Speak only English										1,926,	495	
Ƴ Spanish:										255,	441	
Speak English "very well"										169,	072	
Speak English less than '	very well"									86,	369	
✓ French (incl. Cajun):										6,	425	
Speak English "very well"										5,	444	
Speak English less than '	very well"										981	
Ƴ Haitian:											241	
Speak English "very well"											166	
Speak English less than '	very well"										75	
✓ Italian:										2,	102	
Speak English "very well"										1,	702	
Speak English less than '	very well"										400	



Limited English Proficiency Committee Title VI Interagency Working Group (April 2021)

Resource Sheet for the DOJ Language Map App

The U.S. Department of Justice Civil Rights Division's Language Map App¹ is available on <u>www.LEP.gov</u>. The Map App is an interactive mapping tool that helps users find out the concentration of, and languages spoken by, LEP individuals in a community. It uses a standard definition of LEP individuals for those who selfidentify as speaking English "less than very well" for the population five years or older. The total LEP population equals the sum of all individuals who speak a language other than English and speak English less than "very well." The Map App calculates the share of LEP individuals by tabulating LEP populations as a percentage of the total population of the statistical area.

To see the underlying data, including margins of error, go to <u>U.S. Census Bureau -</u> <u>ACS 2015 Table: B16001 5-Year Estimate Language Spoken At Home By Ability</u> <u>To Speak English For The Population 5 Years And Over</u>. The Margin of Error information is also downloadable from the Map App website and using the "Download State/County Level Data" buttons. The Margin of Error fields are indicated by the symbol: ±.

How to access LEP Data through the Language Map APP:

1. Go to <u>www.LEP.gov/maps</u>. Scroll down to this content:

Language Map App

The Civil Rights Division's Language Map App is an interactive mapping tool that helps users find out the concentration of and languages spoken by LEP individuals in a community. Click on your state or county to identify the number or percentage of LEP persons, download language data, or visually display LEP maps for presentations. We encourage users to test the features of the Language Map App and provide feedback to help us improve functionality.

- 2015 Map App
- 2015 Accessible Version with Downloadable Data
- Language Map Apps for 2014-2012
- 2. Under the top heading of the page, labelled "Language Map App," there are two ways to view the data: (a) the "Map App" version and (b) the "Accessible Version with Downloadable Data." There are multiple years to choose from, but using the 2015 data will provide the most updated information.
 - a. To use the Language Map App, click on the box labelled "2015 Map App."

Language Map App

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• 2015 Map App

- 2015 Accessible Version with Downloadable Data
- Language Map Apps for 2014-2012

i. The national map uses colors to reflect the LEP percentage in each state. For state-level data, click on the state that interests you.



ii. The initial pie chart provides an overview at the top. You can hover over the pie chart to see the underlying numbers.



¹ U.S. Census American Community Survey 5-Year Estimate data.

iii. Or, select "Switch to Table Mode" beneath the pie chart for the breakdown of LEP individuals in the state by language.



iv. To see the concentration of LEP individuals by number, instead of percentile, click on the "%" indicator on the right.



v. To see the concentration of LEP individuals in a county, click "zoom to" below the pie chart, then click on a county to view the chart and table for that county.



vi. Hit the home button to return to the national map view.



b. To use the accessible version, click on the box labelled "2015 Accessible Version with Downloadable Data."

Language Map App

The Civil Rights Division's Language Map App is an interactive mapping tool that helps users find out the concentration of and languages spoken by LEP individuals in a community. Click on your state or county to identify the number or percentage of LEP persons, download language data, or visually display LEP maps for presentations. We encourage users to test the features of the Language Map App and provide feedback to help us improve functionality.

- 2015 Map App
- 2015 Accessible Version with Downloadable Data
- Language Map Apps for 2014-2012

i. To see state-level data, select the state in the dropdown menu at the top of the page and then hit the button labelled "Populate Grid Data."

U.S. Department of Justice - Civil Rights Division	2015			Federal	Coordinatio	n and Compl	iance Secti	on
Step 1: Select a State to Display:	Switch to Data Only Mode	Switch to Greyso	cale Map	Download Stat	e Level Data	Download Cou	nty Level Data	
Select a State	Switch to Raw Number Displ	lay						
Optional Step 2: Select a County to Display:		_						
Select a County Name - Populate Grid Data	_							
Percent LEP by State	+	eography FIP Cod	S ▲ R Je	ank	Total Population	Total LEP	Total LEP Percent	0
20% 215% AND <=20% 216% AND <=25% 5% AND <=15% 1% AND <=25% 1% at the second sec	rographic language data ma	o results found	I. Isidering how i	language assis	tance is provid	led in a particula	ar contact or	
setting, rederal and recipient agencies are required to provide meanin <u>13166</u> . Recipients of federal financial assistance must comply with <u>Ti</u> funding agencies. For further information, please see <u>LEP.gov</u> or com-	ingful access to all LEP indiv itle VI of the Civil Rights Act htact LEP@usdoj.gov.	of 1964 and its in	g services. Fe nplementing re	deral agencies egulations and	s are required t should consult	o comply with <u>E</u> the guidance is	sued by their	E

ii. This will display both the state and county-level data, in a table on the right. Simply scroll to the right to view the data by language, or click and drag the column headings to compare two languages, or rearrange them for another purpose.

🥘 U.S. Department of Justice - Civil I	Rights Division 20	15		Federa	I Coordinatio	on and Compl	iance Section			
Step 1: Select a State to Display: Utah	Switch to Da Switch to Re	ata Only Mode Switch to G aw Number Display	reyscale Map	Download Sta	te Level Data	Download Cou	nty Level Data			
Optional Step 2: Select a County to Display:										
Select a County Name Populate Gr	rid Data									
Oregon Marko		Geography	FIPS A Code	Rank	Total Population	Total LEP	Total LEP O Percent			
>20%	Wroming	Utah	49	>5% AND <=10%	2554331	133359	5.221			
>15% AND <=20%		Beaver County, Utah	49001	>1% AND <=5%	5942	180	3.029			
>10% AND <=15%		Box Elder County, Utah	49003	>1% AND <=5%	45372	986	2.173			
>5% AND <=10%	h Colorado	Cache County Utah	49005	>1% AND <=5%	102994	5119	4.970			
>1% AND <=5%		Carbon County, Utah	49007	>1% AND <=5%	19525	359	1.839			
		Daggett County, Utah	49009	>1% AND <=5%	776	10	1.289			
						01.1.4				
Note: These maps are for informational purpo setting, federal and recipient agencies are req 13166. Recipients of federal financial assistar funding agencies. For further information, plea	ses only. Although demographic lan uired to provide meaningful access ice must comply with <u>Title VI of the (</u> ise see <u>LEP.gov</u> or contact <u>LEP@us</u>	guage data may be useful in to all LEP individuals in deli <u>Civil Rights Act of 1964</u> and sdoj.gov.	i considering how vering services. I its implementing	v language assi Federal agencie regulations and	istance is provie is are required d should consul	ded in a particul to comply with <u>E</u> t the guidance i	ar conlact or <u>xecutive Order</u> ssued by their			

iii. To make better use of the side table, click on "Switch to Data Only Mode" button in the blue banner above the table to only view the table.

Step 1: Selec Utah	ct a State to	Dis -		Swit	ch to Map and D ch to Greyscale I	ata Mode Map Switch t	o Percent Display	Downloa	id State Level Dati	a Download C	ounty Level Dat
Optional Ste Select a Count	p 2: Select a y Name	County to Disp Populate G	lay: Irid Data								
3eography	FIPS Code	Rank	Total Population	Total LEP	Total LEP Percent	African Ianguages	Arabic	Armenian	Chinese	French (incl. Patois, Cajun)	French Creole
Jtah	49	>100,000 AND <=500,000	2554331	133359	5.221	1386	945	197	5547	1004	83
Beaver County, Utah	49001	<=1,000	5942	180	3.029	0	0	0	0	0	0
<u>Box Elder</u> County, Utah	49003	<=1,000	45372	986	2.173	0	0	0	1	15	0
Cache County, Jtah	49005	>1,000 AND <=10,000	102994	5119	4.970	20	17	0	457	36	0
Carbon County, Utah	49007	<=1,000	19525	359	1.839	6	0	0	0	0	0
Daggett County, Utah	49009	<=1,000	776	10	1.289	0	0	0	0	0	0

iv. To download the different data sets, in a manageable spreadsheet, click on the corresponding button for either state-level or county-level data.

🔘 U.S. De	partment of .	Justice - Civil	Rights Divisi	on	2015 Language M	Map App		Fed	eral Coordina	tion and Com	pliance Secti	ion
Step 1: Sele	ct a State to D)isplay:		Switch	to Map and Data	Mode		Download State Level Data Download County Level Data				1
Utah		*		Switch	to Greyscale Ma	p Switch to	Percent Display					
Optional Ste	p 2: Select a (County to Disp	ay:									
Select a Count	ty Name	- Populate G	rid Data									
								1				
Geography	FIPS A Code	Rank	Total Population	Total LEP	Total LEP Percent	African Ianguages	Arabic	Armenian	Chinese	French (incl. Patois, Cajun)	French Creole	C
Utah	49	>100,000 AND <=500,000	2554331	133359	5.221	1386	945	197	5547	1004	83	1
Beaver County, Utah	49001	<=1,000	5942	180	3.029	0	0	0	0	0	0	5
Box Elder County, Utah	49003	<=1,000	45372	986	2.173	0	0	0	1	15	0	1
Cache County. Utah	49005	>1,000 AND <=10,000	102994	5119	4.970	20	17	0	457	36	0	4
Carbon County, Utah	49007	<=1,000	19525	359	1.839	6	0	0	0	0	0	9
Daggett County, Utah	49009	<=1,000	776	10	1.289	0	0	0	0	0	0	0
Note: These n setting, federa	naps are for inf I and recipient	ormational purpo agencies are re	ses only. Althou	igh demograph e meaningful ac	ic language dat ccess to all LEP	a may be usef individuals in d	Il in considering l lelivering service	how language a s. Federal ager	assistance is pro	vided in a partic	ular contact or h Executive Ord	ler
13166. Recipi funding agence	ents of federal ies. For further	financial assista information, ple	nce must compl ase see <u>LEP.go</u>	y with <u>Title VI o</u> v or contact <u>LE</u>	f the Civil Rights P@usdoj.gov	Act of 1964 a	nd its implement	ing regulations	and should con:	sult the guidance	e issued by thei	

EPA EJ Screen Resource Sheet

The EPA Environmental Justice Screening and Mapping Tool (EJSCREEN) allows users to access high-resolution environmental and demographic information, including linguistic information, for locations in the United States. The EJSCREEN and Mapping Tool enables users to compare their selected areas to the rest of the state or the country. It is a screening tool that examines some of the relevant issues related to environmental justice, subject to important limitations as to what data is included and its accuracy². The information contained in the map is currently pulled from the 2013-2017 American Community Survey (ACS).

There are six demographic indicators available, each expressed as a percentage: low-income, minority, less than a high school education, people in a block group under the age of 5, people in a block group over the age of 64, and people in a block group living in linguistically isolated households (meaning those in which all members age 14 years and up and are LEP).

How to access Demographic Data using EJSCREEN:

- 1. Go to www.epa.gov/ejscreen
- Click on the "Explore EPA's environmental justice screening and mapping tool" link to launch EJSCREEN or enter a location in the search box and click "search."



3. If you did not search from the landing page, use the "Find address or place" search function on the menu bar to identify the location for which you are seeking language data (e.g., Salt Lake County, Utah).



- a. Next, use the "Add Maps" dropdown menu to access the "More Demographics" feature.
- Once you have accessed More Demographics, select the desired data options using the menus in the three boxes: Category, Variable, and Method. Explaining the options in reverse order, there are three Methods to map data, each with pros and cons:
 - Quantile: A quantile classification is well suited to linearly distributed data. Quantile assigns the same number of data values to each class. There are no empty classes or classes with too few or too many values. Because features are grouped in equal numbers in each class using quantile classification, the resulting map can often be misleading. Similar features can be placed in adjacent classes, or features with widely different values can be put in the same class. You can minimize this distortion by increasing the number of classes.

² For an explanation of the limitations on the data, see https://www.epa.gov/ejscreen/limitations-and-caveats-using-ejscreen.



ii. Natural break classes are based on natural groupings inherent in the data. Class breaks are identified that best group similar values and that maximize the differences between classes. The features are divided into classes whose boundaries are set where there are relatively big differences in the data values.

Select Map Contents	~
Pct. Persons who Speak English less than Very Well	
> 58 - 100	
> 31.6 - 58	
> 16.5 - 31.6	
> 6 - 16.5	
0 - 6	
/ [150]	

iii. Equal interval divides the range of attribute values into equal-sized subranges. Equal interval is best applied to familiar data ranges, such as percentages and temperature. This method emphasizes the amount of an attribute value relative to other values.

Pick Equal Interval to follow the example below.

- VC	Select Map Contents 2013-2017 ACS (tr) Persons who Speak E	s 😞 TDX inglish
les	s than very well	
	> 80 - 100	
	> 60 - 80	
	> 40 - 60	
	> 20 - 40	
	0 - 20	
1	1 3 3	Magatab

4. Again, using the "Add Maps" dropdown menu on the tool bar, select the "More Demographics" option.



Category: Language

5. Using the "Category" dropdown menu in the Map Demographics pop-up window, select "Language." Select a language variable that meets your needs (e.g., *Pct. Persons who Speak English less than Very Well*). Then click the "Add to Map" button.



Variable: Spanish: Speak English less than "very well"

6. Using the "Variable" dropdown menu, select Spanish: Speak English less than "very well."



Multiple Variable: Spanish: Speak English less than "very well" AND Total Persons Age 5 and Above

7. Using the "Variable" dropdown menu, select *Total Persons Age 5 and Above* without closing the prior map. Both will appear in an overlay.



Multiple Variable: Spanish: Speak English less than "very well" AND Total Persons Age 5 and Above

8. To compare multiple variables, simply click on a county, and the numerical data will display. You can cycle through categories using the arrows.



Additional Sources of LEP Data

- The U.S. Department of Education Consolidated State Reports (www2.ed.gov/admins/lead/account/consolidated/index.htm]). The Consolidated State Report is a required annual reporting tool for state departments of education to assess if schools are meeting performance goals. The Report collects fairly comprehensive data regarding EL (English learner) students, including the 5 most commonly spoken languages other than English in that state. The data was most recently published in 2016-17 and each states' data can be downloaded as PDFs.
- Multiple states have their own detailed data sets. The best example of this is California's Education Data Partnership (<u>https://www.ed-data.org/</u>). They collect extensive data regarding LEP students in the California education system. Their search engine allows a user to search by county, district, and school, and also provides the number of English learners and the languages of English learners by year from 2013-18. The data is accessible via downloadable bar charts or line graphs.



Feedback?

We hope you found this information helpful. Please let us know if you have feedback by directing your email to the attention of the LEP Committee at <u>LEP@usdoj.gov</u>.

The LEP Committee is part of the federal Title VI Interagency Working Group and seeks to strengthen federal efforts to ensure compliance with Title VI language access requirements. Federal employees interested in joining the LEP Committee may send requests to join the committee through <u>LEP@usdoj.gov.</u>