

## I. Key Findings

The “Factor 1 Analysis” conducted for the City of Portland is largely based on the American Community Survey (ACS) 2008-2012, 5 year estimate. Additionally, the Oregon Department of Education (ODE) 2012-2013 school enrollment data for school districts in Portland has been used to estimate the count of Limited English Proficiency (LEP) population for languages that are not reported individually but as part of “language groups”. The key findings revealed in the analysis are:

- The population over 5 years is 550,368 and make up 94% of the total City’s population.
- 103,441 persons over the age of 5 years or 18.8% of the City of Portland population, speaks a language other than English at home.
- 48,176 persons over the age of 5 speak a language other than English at home and speak English less than “very well”. This population is 8.8% of Portland’s over-5 population.
- Spanish is the second most predominant language followed by Vietnamese in the third place.
- Nine non-native English language groups with the City of Portland’s service area have LEP population of 1,000 persons or more.
- The following table shows the list of the nine LEP population that qualify for the safe harbor provisions for various federal, state and local programs:

Language spoken at home	Population 5 and over speaking a language other than English at home	Population LEP, age 5 and over, by native language	Percent of total LEP population by native language	Percent of total City of Portland population age 5 and over (550,368), LEP, by language
Spanish, Spanish Creole	39,191	17,824	37.0%	3.2%
Vietnamese	12,575	8,098	16.8%	1.5%
Chinese	9,372	5,657	11.7%	1.0%
Russian	6,863	3,536	7.3%	0.6%
Romanian <sup>1</sup>	No data	1,603	3.3%	0.3%
Ukrainian <sup>1</sup>	No Data	1,260	2.6%	0.2%
Japanese	2,352	823	1.7%	0.1%
Somali <sup>1</sup>	No data	1,014	2.1%	0.2%
Arabic	1,356	789	1.6%	0.1%
<b>9 LEP languages</b>		<b>40,604</b>	<b>84.3%</b>	<b>7.4%</b>
<b>Total, all non-English languages</b>	<b>103,441</b>	<b>48,176</b>	<b>100.0%</b>	<b>8.8%</b>

Source: ACS 2008-2012, Table B16001, except:

<sup>1</sup> Languages not in ACS: estimates derived from Oregon Department of Education School Language Dataset for 2012-2013

## II. Supporting Tables

**Table 1: Aggregate estimates for City of Portland:**

Total population over age 5	Persons over age 5, speak a language other than English at home	Persons over 5, speak a language other than English at home, speak English less than very well (LEP)	Percent of estimated City of Portland population that is LEP
<b>550,368</b>	<b>103,441</b>	<b>48,176</b>	<b>8.75%</b>
<b>Source: ACS 2008-2012</b>			

**Table 2: Languages in Portland with more than 1,000 LEP persons:**

Language spoken at home	Population 5 and over speaking a language other than English at home	Population LEP, age 5 and over, by native language	Percent of total LEP population by native language	Percent of total City of Portland population age 5 and over (550,368), LEP, by language
<b>Spanish, Spanish Creole</b>	39,191	17,824	37.0%	3.2%
<b>Vietnamese</b>	12,575	8,098	16.8%	1.5%
<b>Chinese</b>	9,372	5,657	11.7%	1.0%
<b>Russian</b>	6,863	3,536	7.3%	0.6%
<b>African Languages</b>	3,972	1,680	3.5%	0.3%
<b>Other Slavic Languages</b>	2,563	1,553	3.2%	0.3%
<b>Japanese</b>	2,352	823	1.7%	0.1%
<b>Other Indo-European Languages</b>	2,287	1,155	2.4%	0.2%
<b>Other Pacific Island Languages</b>	1,942	757	1.6%	0.1%
<b>Other Asian Languages</b>	1,631	753	1.6%	0.1%
<b>Arabic</b>	1,356	789	1.6%	0.1%
<b>11 LEP languages</b>		<b>42,625</b>	<b>88.5%</b>	<b>7.7%</b>
<b>Total, all non-English languages</b>	<b>103,441</b>	<b>48,176</b>	<b>100.0%</b>	<b>8.8%</b>

Source: ACS 2008-2012

**Table 3: Languages in Portland with more than 1,000 LEP persons with associated MoE**

Language spoken at home	Population 5 and over speaking a language other than English at home	Margin of Error (MoE) for the estimates	Population LEP, age 5 and over, by native language	Margin of Error (MoE) for the estimates
<b>Spanish, Spanish Creole</b>	39,191	+/- 1,618	17,824	+/- 1,371
<b>Vietnamese</b>	12,575	+/- 1,202	8,098	+/- 783
<b>Chinese</b>	9,372	+/- 883	5,657	+/- 645
<b>Russian</b>	6,863	+/- 1,126	3,536	+/- 653
<b>African Languages</b>	3,972	+/- 949	1,680	+/- 583
<b>Other Slavic Languages</b>	2,563	+/- 609	1,553	+/- 410
<b>Japanese</b>	2,352	+/- 425	823	+/- 254
<b>Other Indo-European Languages</b>	2,287	+/- 663	1,155	+/- 413
<b>Other Pacific Island Languages</b>	1,942	+/- 504	757	+/- 299
<b>Other Asian Languages</b>	1,631	+/- 556	753	+/- 320
<b>Arabic</b>	1,356	+/- 581	789	+/- 530
<b>11 LEP languages</b>			<b>42,625</b>	
<b>Total, all non-English languages</b>	<b>103,441</b>		<b>48,176</b>	
<b>Source: ACS 2008-2012</b>				

Table 4: Languages in Portland with more than 1,000 LEP estimated from ODE Data:

Table 4a: Ukrainian Population

Multiple estimation for Ukrainian population based on ODE		
Ukrainian (Procedure 1)		
	Total students speaking this language	Total LEP students speaking this language
Bulgarian	15	5
Czech	10	0
Slovak	5	0
Ukrainian	602	257
<b>Sum "Slavic"</b>	<b>632</b>	<b>262</b>
<b>% Ukrainian in "Slavic"</b>	95.3%	98.1%
<b>ACS dataset estimate "Other Slavic"</b>	2,563	1,553
<b>Applying Ukrainian proportion to ACS "Other Slavic"</b>	2,441	<b>1,523</b>

Ukrainian (Procedure 2)	
Native language	Ukrainian
Nearest linguistic relative	Polish
Nearest demographic relative	Russian
Number of LEP school students	257
Ratio: LEP estimate fro Polish from ACS/LEP students from ODE	Not possible to compute
Ratio: LEP estimate for Russian from ACS/LEP students from ODE	3.9
Applying Russian (demographic) ratio to Urkrainian LEP	<b>996</b>
<b>Median of estimates (Ukrainian)</b>	<b>1,260</b>

**Table 4b: Romanian Population**

<b>Multiple estimation for Romanian population based on ODE</b>		
<b>Romanian (Procedure 1)</b>		
	<b>Total students speaking this language</b>	<b>Total LEP students speaking this language</b>
Albanian	26	22
Kurdish	21	9
Romanian	464	198
<b>Sum "Slavic"</b>	<b>511</b>	<b>229</b>
<b>% Romanian in "Other Indo-European Languages"</b>	90.8%	86.5%
<b>ACS dataset estimate "Other Indo-European"</b>	2,287	1,155
<b>Applying Romanian proportion to ACS "Other Slavic"</b>	2,077	<b>1,343</b>

<b>Romanian (Procedure 2)</b>		
<b>Native language</b>	<b>Romanian</b>	
Nearest linguistic relative	Italian	
Nearest demographic relative	Bosnian (Serbo-Croatian)	
Number of LEP school students	198	
Ratio: LEP estimate for Italy from ACS/LEP students from ODE	35	<b>Krishnan, Uma:</b> MoE for Italian LEP are poor and so the ratio is unrelastically high- hence not used for estimate
Ratio: LEP estimate for Serbo-Croatian from ACS/LEP students from ODE	9.4	
Applying Bosnian (demographic) ratio to Romanian LEP	<b>1,863</b>	
<b>Median of estimates (Romanian)</b>	<b>1,603</b>	

**Table 4c: Somali Population**

<b>Multiple estimation for Somali population based on ODE</b>		
<b>Somali (Procedure 1)</b>		
	<b>Total students speaking this language</b>	<b>Total LEP students speaking this language</b>
Amharic	117	74
Swahili	95	85
Yoruba	10	10
Somali	566	407
Oromo	113	66
Tigrinya	75	32
<b>Sum "African Languages"</b>	<b>976</b>	<b>674</b>
% Somali in "African languages"	58.0%	60.4%
ACS dataset estimate "African Languages"	3,972	1,680
Applying Somalian proportion to ACS "African languages"	2,303	<b>1,014</b>

<b>Somali (Procedure 2)</b>	
<b>Native language</b>	<b>Somali</b>
Nearest linguistic relative	Arabic
Nearest demographic relative	None
Number of LEP school students	407
Ratio: LEP estimate for Arabic from ACS/LEP students from ODE	3.85
Applying Arabic (demographic) ratio to Somalian LEP	<b>1,566</b>
<b>Median of estimates (Somali)</b>	<b>1,014</b>