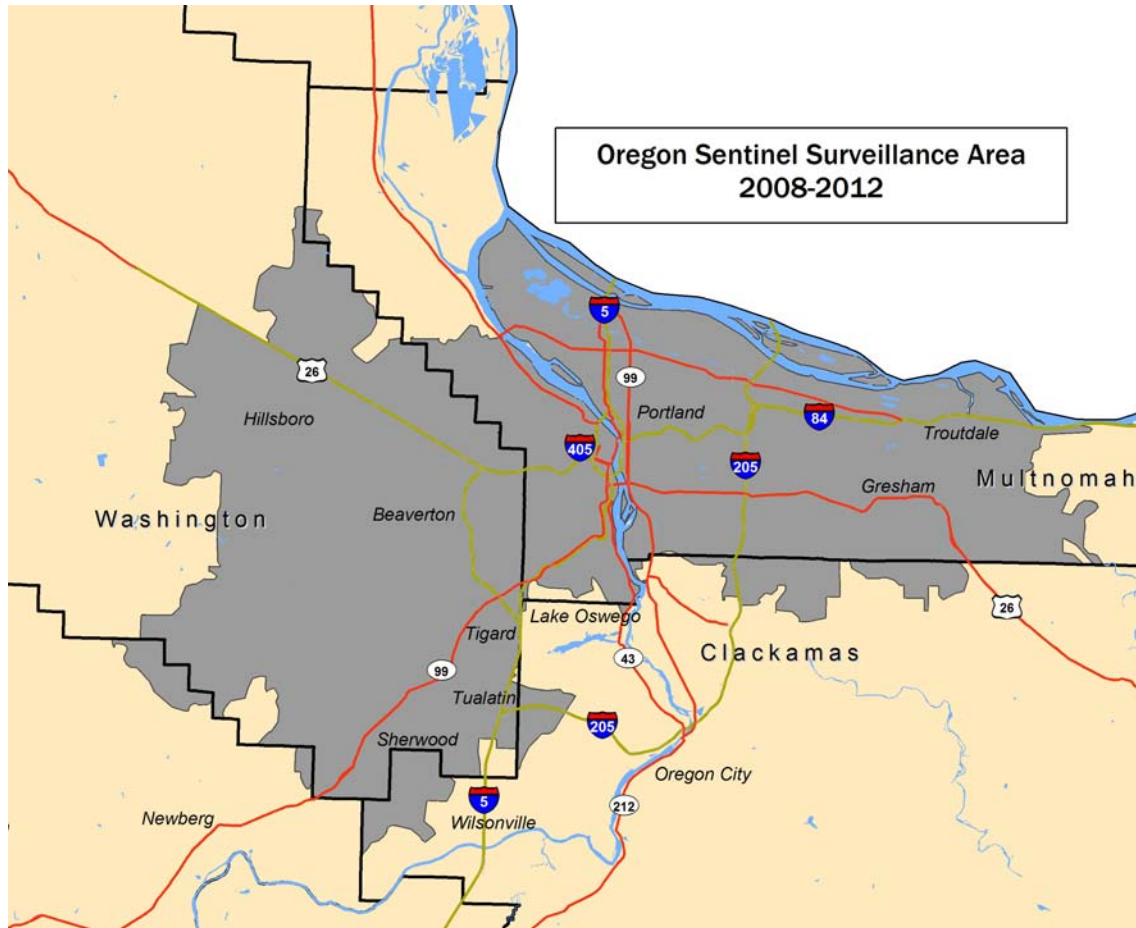


## Oregon's Sentinel Site

Oregon's Sentinel area is a contiguous 42-zipcode region that includes most of Multnomah and Washington Counties. The area is home to approximately 295,613 children < 19 years old, which is about one-third of the state's population in this age cohort. Multnomah County is the most populous county in Oregon with over half of residents living in the cities of Portland and Gresham. Washington County is one of the fastest growing areas in the state. Major cities include: Beaverton, Hillsboro, Tigard and Tualatin.



This area is more culturally diverse than the state as a whole. Most African American (AA) children <19 in Oregon live in Multnomah County which has the highest AA child percentage (6.8%). Washington County has a higher population of child residents of Hispanic origin than Multnomah County (19.2% versus 14.8%), the percent of Hispanic residents increasing significantly in the last decade. Also, Washington County is Oregon's most ethnically diverse, drawing immigrants from Europe, Central and South America, Asia, Indo-China, the Pacific Islands nations and Africa.

Poverty rates for children < 19 years old in the Sentinel area are comparable to statewide rates; 20.1% and 19.8% respectively. In the Sentinel region in 2005, 40.7 % of school-aged children were eligible for free or reduced school meals. In 2006, 33.5% of children <19 years old in the

Sentinel area are clients of Oregon’s Medicaid program (representing, 59.8% of all children in this age group in the program).

Oregon in general and the Sentinel area in particular have experienced significant, recent increases in both adult and child populations, and these increases are expected to continue. There is about a 9% migration into the region from other counties and from out of state.

ALERT is Oregon’s statewide Immunization Information System (IIS). A mature IIS with 91% statewide participation, ALERT grew out of a solid private-public partnership, and maintains strong ties with the state’s largest health systems. With ongoing provider outreach and stellar customer service, participation in ALERT among Sentinel area children < 19 years old is high (97.3%), particularly for children < 6 years of age (99.1%) (Table 1).

**Table 1. Estimates of ALERT IIS Population Participation in the Proposed Sentinel Area By Child and Adolescent Age Group, 2007**

	<b>0 to 5 yrs</b>	<b>6 to 10 yrs</b>	<b>11 to 12 yrs</b>	<b>13 to 15 yrs</b>	<b>16 to 18 yrs</b>	<b>Total 0-18</b>
<b>No. in ALERT (with ≥2 doses)</b>	<b>94,110</b>	<b>72,973</b>	<b>26,468</b>	<b>40,776</b>	<b>45,937</b>	<b>280,264</b>
<b>No. 2005 Population Est.</b>	<b>94,926</b>	<b>76,593</b>	<b>29,233</b>	<b>43,643</b>	<b>43,582</b>	<b>287,978</b>
<b>Percent population in ALERT</b>	<b>99.1%</b>	<b>95.3%</b>	<b>90.5%</b>	<b>93.4%</b>	<b>105.4%</b>	<b>97.3%</b>

The Sentinel region has one of the best IIS participation rates in the state (Table 2). All public clinics participate in ALERT, the majority using a Local Health Department record system (IRIS), which exchanges data weekly with ALERT. Sites submit approximately 78% of shot volume through electronic files; 22% via barcode/paper forms.

**Table 2. Provider Site Participation in ALERT, Sentinel Region 2007**

	<b>Private Provider Sites</b>	<b>Public Provider Sites</b>	<b>Total All Sites</b>
<b>Number Participating (Enrolled to submit data)</b>	<b>125</b>	<b>61</b>	<b>186</b>
<b>Number Total Sites</b>	<b>136</b>	<b>61</b>	<b>197</b>
<b>Percent Participating (%)</b>	<b>92%</b>	<b>100%</b>	<b>94%</b>

Eighty-one percent of child immunization records are submitted by primary sources (i.e., clinics and providers) and processed in ALERT within 30 days of administration (timeliness rates vary between electronic data submissions and barcode paper entries). ALERT has processes in place to meet high data quality, accuracy, and completeness goals. To maximize participation and data completeness, ALERT accepts data from multiple primary and secondary sources (e.g., insurance records) and submits feedback to reporters when data does not pass edit checks and requirements. Data quality checks include preventing non-date and future date values to be entered, critical-field screening prior to loading electronic files, quality control reports for electronic submitters, routine reports of conflicting data, and IIS-generated AFIX site assessments.

This document can be found on the CDC website at:

<http://www.cdc.gov/vaccines/programs/iis/activities/downloads/OR-sentinel.pdf>