



# IMMUNIZATION OF CHILDREN

## DESCRIPTION OF INDICATOR

This indicator tracks the percentage of children who are up-to-date with recommended vaccines at their 2nd birthday and at kindergarten entry. Data at 2nd birthday are based on annual retrospective reviews of randomly selected kindergarten immunization records. Data at kindergarten entry include all public and private schools in Orange County.

### Why is this Important?

The widespread use of safe, effective childhood vaccinations is one of the most successful and cost-effective public health interventions. Many serious and once-common childhood infections have been dramatically reduced through routine immunizations. The success of immunization programs depends upon appropriate timing and on a high rate of vaccine acceptance, particularly among parents of young children. Increasing numbers of children with delayed or refused vaccinations may lead to communities that are below the protective level needed to prevent the spread of disease.

### Findings

- The percentage of Orange County children with up-to-date vaccinations at kindergarten entry has decreased in the past 10 years, from 92.9% in 2003 to 89.3% in 2012.
- In 2012, 6.3% of under-immunized kindergartners were enrolled on the condition that they would become adequately immunized (conditional enrollment).
- An additional 3% of kindergartner's parents signed a personal belief exemption allowing them to enter kindergarten inadequately immunized.
- Some school districts within the county are below 85% vaccination coverage at kindergarten entry.
- The percent of Orange County children with up-to-date immunizations at their 2nd birthday was 75.7% in 2012, an increase from 71.4% in 2003, but lower than the peak of 81.1% in 2008.

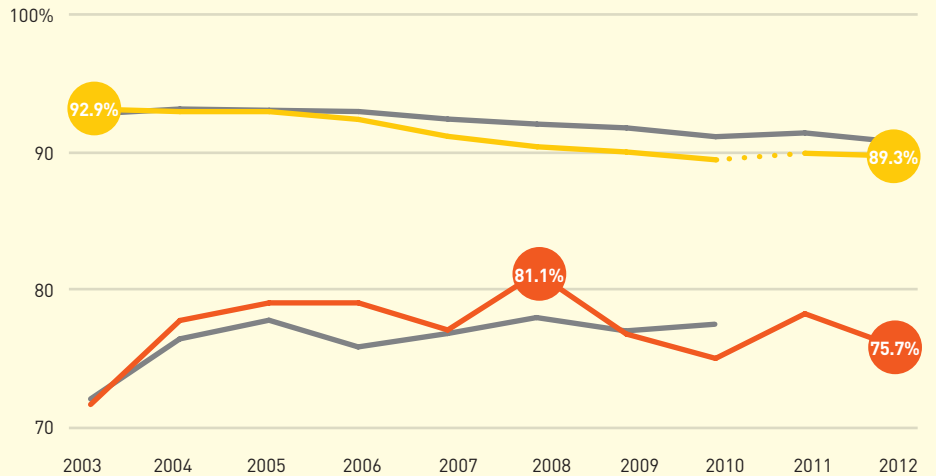
# FINDINGS

## Percent Vaccination Coverage Among Children Age 2 Years & Kindergarten Entry in Orange County & California, 2003-2012

- At Kindergarten - California
- At Kindergarten - Orange County
- At 2nd Birthday - California
- At 2nd Birthday - Orange County 2

Sources: 2012 Kindergarten Assessment Results and 2011 Kindergarten Retrospective Survey Results, California Department of Health Services, Immunization Branch

Notes: 2003 - 2010 Orange County data include other Southern California Counties (Orange, Imperial, San Bernardino, San Diego, and Riverside). Orange County data for 2011 and 2012 include a small, random sample of schools for Orange County only. Data prior to 2011 are not comparable due to a change in methodology. After 2010, California data are no longer collected for children's vaccination coverage at age two.



## Percentage of Kindergartners Not Up-to-Date Selected Orange County School Districts, 2012

**MOST UP-TO-DATE**

**LEAST UP-TO-DATE**

Elementary District	Conditional Enrollment	Personal Belief Exemptions	Total Not Up-to-Date
Anaheim City	2.1%	0.3%	2.4%
Magnolia	2.3%	0.2%	3.5%
Garden Grove	3.2%	0.6%	3.9%
Centralia	4%	0.6%	5.0%
Los Alamitos	1.5%	3.7%	5.2%
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Tustin	11.0%	2.0%	13.0%
Saddleback Valley	11.5%	4.7%	14.2%
Newport-Mesa	10.7%	5.9%	16.6%
Laguna Beach	8.8%	11.9%	20.7%
Capistrano	14.8%	8.8%	23.6%

## Up-to-Date Immunizations at Kindergarten Enrollment Private & Public Schools within Each School District, 2012

- |  |  |
|--|--|
| 1 LA HABRA CITY ELEMENTARY<br>93.0%      | 13 WESTMINSTER ELEMENTARY<br>93.8%     |
| 2 BREA-OLINDA UNIFIED<br>95.1%           | 14 GARDEN GROVE UNIFIED<br>96.0%       |
| 3 BUENA PARK ELEMENTARY<br>93.4%         | 15 SANTA ANA UNIFIED<br>91.0%          |
| 4 FULLERTON ELEMENTARY<br>94.2%          | 16 TUSTIN UNIFIED<br>86.8%             |
| 5 PLACENTIA-YORBA LINDA UNIFIED<br>90.3% | 17 IRVINE UNIFIED<br>89.4%             |
| 6 CENTRALIA ELEMENTARY<br>95.1%          | 18 SADDLEBACK VALLEY UNIFIED<br>85.3%  |
| 7 MAGNOLIA ELEMENTARY<br>96.5%           | 19 OCEAN VIEW<br>94.4%                 |
| 8 ANAHEIM CITY<br>97.5%                  | 20 FOUNTAIN VALLEY ELEMENTARY<br>90.6% |
| 9 ORANGE UNIFIED<br>87.1%                | 21 HUNTINGTON BEACH CITY<br>87.5%      |
| 10 CYPRESS ELEMENTARY<br>92.8%           | 22 NEWPORT MESA UNIFIED<br>83.2%       |
| 11 SAVANNA ELEMENTARY<br>89.5%           | 23 LAGUNA BEACH UNIFIED<br>77.9%       |
| 12 LOS ALAMITOS UNIFIED<br>94.7%         | 24 CAPISTRANO UNIFIED<br>75.4%         |

