Kentucky Annual School Immunization Survey Report 2014 - 2015

Kentucky Immunization Program
Kentucky Department for Public Health
Cabinet for Health and Family Services

June 2016

The Annual School Immunization Survey Report was published by the Kentucky Immunization Program, Division of Epidemiology and Health Planning, Kentucky Department for Public Health, Cabinet for Health and Family Services, Frankfort, KY.

This report about age-specific immunizations of Kentucky school-aged children in public and private elementary and middle schools was prepared after analysis and interpretation of results for data reported to the Kentucky Department for Public Health through March 20, 2015.

Acknowledgements

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We would like to acknowledge the persons and programs in Kentucky public health that provided assistance with survey distribution, data collection and reporting, including: Kentucky Immunization Program Field Staff and all Local Health Department survey contacts (see APPENDIX E).

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The report profile was also created in collaboration with the Centers for Disease Control and Prevention (CDC).

School Immunization Reporting Requirement

According to state regulation 902 KAR 2:055 §2, "(1) Kindergartens and public and private elementary and secondary schools shall submit to the local health department in their area immunization results for kindergartens and sixth grades" on the Commonwealth of Kentucky School/Facility Annual Immunization Survey and "(2) The annual survey shall include the number of: (a) Students in the grade surveyed; (b) Missing immunization records; (c) Religious exemptions; (d) Medical exemptions; and (e) Children who have received age-appropriate immunizations."

Table of Contents

Standard Annual Report

- Chart Labels 1
- Introduction 2
- Methods 2
- Results 5
- Discussion 14
- References 16
- APPENDIX A: Immunization Survey Tool
  - Kindergarten (A-1)
  - Sixth Grade (A-2)
- APPENDIX B: County Profiles about Immunization Coverage
- APPENDIX C: Area Development District Profiles about Immunization Coverage
  - Kindergarten (C-1)
  - Sixth Grade (C-2)
- APPENDIX D: Immunization Profiles For All Schools, By County
  - Kindergarten (D-1)
  - Sixth Grade (D-2)
- APPENDIX E: County Ranking by Average Compliance for All Five Vaccines
  - Kindergarten
    - Sorted by County Name in Alphabetical Order (E-1)
    - Sorted by County Ranking from Highest to Lowest (E-2)
  - Sixth Grade
    - Sorted by County Name in Alphabetical Order (E-3)
    - Sorted by County Ranking from Highest to Lowest (E-4)
- APPENDIX F: Immunization Staff and LHD Contact List

Chart Labels

The following labels are for charts and tables used throughout this report:

- # of Children: Number of children at the school in that grade/group
- # Cert: Number children in that grade/group with Current, Provisional or Expired Certificates
- Miss. Cert: Number of children with a missing certificate (i.e., no certificate on file at the school)
- Med Ex: Number of children with a Commonwealth of Kentucky Certificate of Medical Exemption on file at the school
- Rel Ex: Number of children with a Commonwealth of Kentucky Certificate of Religious Exemption on file at the school
- DTaP: Number of children with 4 or more doses of Diphtheria, Tetanus, and Acellular Pertussis vaccine
- Polio: Number of children with 3 or more doses of Poliovirus vaccine
- MMR: Number of children with 1 dose of Measles, Mumps, Rubella (MMR) vaccine; or 1 dose of MMR vaccine plus 1 dose a measles containing vaccine; or 2 doses of MMR vaccine depending on a child's age
- MCV: Number of children with 1 or more doses of quadrivalent Meningococcal vaccine
- HepB: Number of children with 3 or more doses of Hepatitis B vaccine
- Varicella or VAR: Number of children with 1 or 2 doses of Varicella vaccine depending on a child's age
- Tdap/Td Booster: Number of sixth grade children with a Tetanus, Diphtheria, and Acellular Pertussis (Tdap) or Tetanus Diphtheria (Td) booster after 10 years of age

Introduction

The Kentucky Immunization Program (KIP) conducts an Annual School and Childcare Immunization Survey to assess the vaccine coverage of children in accordance with Kentucky Administrative Regulation 902 KAR 2:055 and Kentucky Revised Statute KRS 158.037.

The survey targets all Kentucky kindergarten and sixth grade students. The purpose of this report is to disseminate the results of the survey for the 2014-2015 school year and offer recommendations to improve rates of immunization in Kentucky to reduce illness and death from vaccine-preventable diseases (VPDs).

Methods

The Kentucky Annual School Immunization Survey tool for 2014 - 2015 (see Appendix A) was distributed to each local health department (LHD) by KIP in mid-August 2014 in paper and electronic formats. LHDs distributed the survey materials to every public and private school with at least one kindergarten class and/or sixth grade class. In 2014, each child was assessed for the presence of an immunization certificate on file, the certificate's expiration date, and the number of doses of each age-appropriate vaccine received. The Kentucky Immunization Program asked schools to assess each certificate for receipt of the following immunizations:

- Four or more doses of DTaP,
- Three or more doses of Polio,
- Three or more doses of Hepatitis B,
- Two doses of MMR,
- Two doses of Varicella or a history of chickenpox disease,
- One dose of Tdap or one dose of Td Booster (for students older than 10 years of age), and
- One dose of quadrivalent Meningococcal (for students older than 10 years of age).

Each immunization certificate of a child that qualified by grade or age to be included in the assessment was reviewed, and immunization data were documented on the survey.

The survey did not collect individual immunization information for each child, but instead requested aggregated totals for the whole grade or group for a particular school. However, for data cleaning purposes, schools were asked to complete and return a worksheet listing children enrolled in the assessed age group, aiding in the reporting of individualized vaccination records. KIP did not request personal identifiers; rather, schools were asked to assign random tracking identities for students. This protected student confidentiality while also providing a mechanism for KIP to identify problematic data for schools to reassess. Variables collected on the worksheet mirrored survey questions, presenting an avenue for schools to accurately count children with current and up-to-date vaccinations.

Schools which used the Kentucky Department for Education (DOE) Infinite Campus system, a Web-based individualized school record and tracking system, were asked to submit a report displaying an aggregate count of the variables contained within the survey in lieu of completing the worksheet. Of the schools

completing the survey in the paper format, over 50% of public institutions remitted the Immunization Compliance Report and Dose Count Summary in lieu of completing the paper worksheet format.

Completed paper surveys were returned to the LHDs which, in turn, forwarded them back to KIP for data entry, analysis, and reporting. Qualtrics Web-based survey software was used to develop the online survey interface and conduct the online survey. The online survey had built-in validation checks, reducing error possibility prior to submitting data to DPH.

The deadline to complete and return surveys, or submit electronically, was December 31, 2014. Each survey was reviewed by KIP staff to ensure reliability and validity. Schools that submitted surveys with missing or invalid information were contacted via phone and asked to make corrections or to resubmit the survey.

Multiple attempts were made to obtain completed surveys from nonresponsive schools after the deadline. LHD personnel were asked to follow up with noncompliant entities in their county at least three times, one or more of those times in writing. If attempts to collect survey data from schools, particularly kindergartens, were unsuccessful, KIP field and central staff made site visits during the months of February and March 2015 to review charts and to directly collect the data. This enabled KIP staff to report 100% of school-based kindergarteners' (both public and private) aggregate vaccine-specific data to CDC by the April 30, 2015 deadline.

Any survey received after March 20, 2015, was not included in the analysis.

An amendment to 902 KAR 2:055 was enacted and became effective in December 2014, no longer requiring childcare facilities to annually submit age-specific immunization surveys to DPH. Thus, compared to prior years, this report has no content about immunization compliance at childcare facilities.

All of the survey data were entered into SPSS v.20, duplicates were removed, and the information was analyzed, interpreted, and organized into this report.

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases. The attainment of age-appropriate target measure for these Objectives is used annually by the Kentucky Immunization Program to identify successful measures of vaccination compliance for school age children.

These age-appropriate HP 2020 target measures are assessed in a school:

Kindergarten:

- Greater than 95% for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade:

- Greater than 95% for 3+ HepB and 2 MMR,
- Greater than 90% for 2 Varicella, and
- Greater than 80% for 1 Tdap and 1 MCV

Results

Response rates for both kindergarten and sixth grades were 100% this year. This completed response was a direct result of the KIP implementing a mandatory reporting requirement for kindergarten compliance. Field and central staff were used to collect kindergarten and sixth grade data in areas where survey returns were low in previous years, further increasing response rates in counties where surveys had not been completed by the deadline.

Table 1 gives an overview of the total response rate for the survey in school year 2014-2015 compared to the previous six school years (i.e., 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, and 2013-2014). Both LHD and KIP staff helped immensely to increase survey compliance the past three years. LHDs were integral in assisting with distribution lists and clarification of district mergers and school closures in their respective counties, in addition to diligently working to collect surveys from nonresponsive institutions. KIP staff conducted site visits after deadlines elapsed to collect data from nonresponsive schools housing a kindergarten. This extra effort assured 100% reporting of both age groups for the 2014-2015 school year.

Table 1. Survey Response Rates by Age Group, 2014-2015 and Previous Six School Years

Assessment School Year		Sixth Grade		Kindergarten		Childcare	
		No.	%	No.	%	No.	%
2014-2015	Number of Schools	**613**	**100**	**925**	**100**	**N/A**	**N/A**
2013-2014	Number of Schools/Facilities	**590**	**97.0**	**946**	**100**	**1,805**	**62.5**
2012-2013	Number of Schools/Facilities	**569**	**95.0**	**917**	**96.0**	**1,813**	**59.8**
2011-2012	Number of Schools/Facilities	**572**	**85.6**	**915**	**88.7**	**1,798**	**70.8**
2010-2011	Number of Schools/Facilities	**525**	**77.7**	**818**	**79.2**	**265**	**10.8**
2009-2010	Number of Schools/Facilities	**544**	**81.6**	**866**	**85.1**	**1,735**	**71.0**
2008-2009	Number of Schools/Facilities	**580**	**84.3**	**935**	**93.7**	**1,998**	**62.2**

Table 2 shows the number of children in 2014-2015 with medical or religious exemptions and the number of children who have received the required number of age-appropriate doses of each vaccine. A medical or religious exemption must be indicated on a Commonwealth of Kentucky Certificate of Medical Exemption or a Commonwealth of Kentucky Certificate of Religious Exemption, respectively. Children who were not up-to-date on required immunizations were given a 30-day grace period to become up-to-date or to begin a vaccine series towards becoming up-to-date. Immunization certificates

were documented in 96.2% of Kindergartners and 98.6% of 6th graders. Overall, less than 3% of all children surveyed had missing certificates and <1% had a medical or a religious exemption on file.

Kentucky medical providers did a commendable job of administering the appropriate number of age-specific vaccines. Statewide, compliance rates for vaccine administration were above 90% for all vaccines except for Varicella, Tdap, and MCV in sixth grade students.

Despite the high reported rates, the state averages for all vaccines for children in kindergarten are still below the Healthy People (HP) 2020 Objectives[1] of 95% for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella. However, the state averages met the sixth grade HP 2020 Objectives for 2 MMR, 3+ HepB, 1 Tdap, and 1 MCV, but were below the 90% objective for two doses of Varicella vaccine. The county profile pages in Appendix B indicate whether the HP 2020 Objectives[1] for age groups for specific vaccines were met for the 2014-2015 school year for each county.

Table 3 provides the minimum, median, maximum, and average coverage rates for each immunization. This Table can be used in conjunction with Appendix C to assess a county's coverage level. When using the statistics comparison table, please note that acceptable immunization coverage levels for all antigens according to the Centers for Disease Control and Prevention (CDC) would be 90% or greater. The range of age-specific vaccination rates could vary significantly as a result of the self-report methodology, and caution should be used when interpreting results based on low reporting numbers. In addition, some schools complete the survey within the first few weeks of receiving the package, counting children as noncompliant when doctor's appointments are scheduled for immunizations. Other schools or facilities wait until the final deadline in December, working towards getting all students current and up-to-date prior to reporting. These factors could contribute to variations in reporting.

Table 4 indicates if the coverage rate for a specific vaccine is statistically significant. A Fisher's Exact Test was used to determine 95% confidence intervals for the proportion, and a two-sided p-value was calculated. All of the vaccine-specific rates were statistically significant for the 2014 - 2015 school year, except 3+ doses of polio for Kindergarteners. The narrow confidence intervals suggest that precision is high with a lack of random error, and results should accurately measure the age-specific vaccination coverage rates of the two age groups.

Table 2. Percentage of Certificates, Exemptions, and Vaccines by Age Group

Type of School/Facility		# Child	# Cert.	Miss Cert.	Med. Ex.	Rel. Ex.	4+ DTaP	3+ Polio	2 MMR	3+ HepB	2 VAR	Tdap/ Td Booster	1 MCV
Kindergarten	# Child	56,238	53,572	2,184	113	369	53,083	53,240	52,151	52,948	51,898	N/A	N/A
	%	N/A	95.3%	3.9%	0.2%	0.7%	94.4%	94.7%	92.7%	94.1%	92.3%		
Sixth Grade	# Child	54,358	53,113	751	217	277	N/A		53,120	52,969	48,292	45,915	45,181
	%	N/A	97.7%	1.4%	0.4%	0.5%			97.7%	97.4%	88.8%	84.5%	83.1%

The number of MMR and Varicella doses is dependent on a child's age. Children aged 19 through 47 months are required to have 1 dose of MMR and Varicella, while children aged 48 months and older are required to have 2 doses of MMR and Varicella.

Table 3. Average, Median and Range of Vaccination Percentage by Age Group

		# Students Reported	4+ DTaP	3+ Polio	2 MMR	3+ HepB	2 Varicella	MCV	Tdap/Td Booster
Kindergarten	**Average**	**467**	94.4%	94.7%	92.7%	94.1%	92.3%	**N/A**	**N/A**
	Minimum (Lowest County Count or Rate)	**19**	75.8%	76.5%	71.8%	73.8%	62.6%		
	Median	**242**	95.5%	95.7%	94.3%	94.7%	93.9%		
	Maximum (Highest County Count or Rate)	**9,758**	100%	100%	100%	100%	100%		
Sixth Grade	**Average**	**453**	**N/A**	**N/A**	97.7%	97.4%	88.8%	83.1%	84.5%
	Minimum (Lowest County Count or Rate)	**27**			90.4%	73.9%	24.1%	11.1%	11.1%
	Median	**234**			98.3%	98.4%	91.3%	87.8%	88.8%
	Maximum (Highest County Count or Rate)	**9,335**			100%	100%	100%	100%	100%

Table 4. 95% Confidence Intervals and p-values of Vaccine-Specific Proportions, 2011-2015

Grade	School Year	Number of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
Kindergarten	2011-2012	53,462	**50,118** *93.7%* *(93.5-94.0, p<0.001)*	**50,810** *95.0%* *(94.9-95.2, p=0.6754)*	**49,905** *93.3%* *(93.1-93.6, p<0.001)*	**49,216** *92.1%* *(91.8-92.3, p<0.001)*	**40,518** *75.8%* *(75.4-76.2, p<0.001)*
	2012-2013	56,846	**53,407** *94.0%* *(93.8-94.1, p<0.001)*	**53,525** *94.2%* *(94.0-94.4, p<0.001)*	**53,158** *93.5%* *(93.3-93.7, p<0.001)*	**52,454** *92.3%* *(92.1-92.5, p<0.001)*	**50,774** *89.3%* *(89.1-89.6, p<0.001)*
	2013-2014	57,672	**54,165** *93.9%* *(93.7-94.1, p<0.001)*	**54,398** *94.3%* *(94.1-94.5, p<0.001)*	**54,271** *94.1%* *(93.9-94.3, p<0.001)*	**53,412** *92.6%* *(92.4-92.8, p<0.001)*	**53,012** *91.9%* *(91.7-92.1, p<0.001)*
	2014-2015	56,238	**53,083** *94.4%* *(94.2-94.7, <0.001)*	**53,240** *94.7%* *(94.5-94.9, p=0.001)*	**52,948** *94.1%* *(94.0-94.3, p<0.001)*	**52,151** *92.7%* *(92.5-93.0, p<0.001)*	**51,898** *92.3%* *(92.1-92.5, p<0.001)*

Grade	School Year	Number of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Sixth Grade	2011-2012	52,936	**38,347** *72.4%* (72.1-72.8, p<0.001)	**33,387** *63.1%* (62.7-63.5, p<0.001)	**51,241** *96.8%* (96.6-97.0, p<0.001)	**50,853** *96.1%* (95.9-96.2, p<0.001)	**36,084** *68.2%* (67.8-68.6, p<0.001)
	2012-2013	51,732	**42,191** *81.6%* *(81.2-81.9, p<0.001)*	**40,836** *78.9%* *(78.6-79.3, p<0.001)*	**49,924** *96.5%* *(96.3-96.7, p<0.001)*	**50,233** *97.1%* *(97.0-97.2, p<0.001)*	**41,691** *80.6%* *(82.3-83.0, <0.001)*
	2013-2014	52,692	**43,068** *81.7%* *(81.4-82.1, p<0.001)*	**42,382** *80.4%* *(80.1-80.8, p=0.013)*	**51,405** *97.6%* *(97.4-97.7, p<0.001)*	**51,421** *97.6%* *(97.5-97.7, p<0.001)*	**44,350** *84.2%* *(83.9-84.5, p<0.001)*
	2014-2015	54,358	**45,915** *84.5%* *(84.2-84.8, p<0.001)*	**45,181** *83.1%* *(82.8-83.4, p<0.001)*	**52,969** *97.4%* *(97.6-97.9, p<0.001)*	**53,120** *97.7%* *(97.6-97.9, p<0.001)*	**48,292** *88.8%* *(88.6-89.1, p<0.001)*

Kindergarten

One hundred percent of schools with kindergarten classes, both public and private institutions, completed the annual survey for the 2014-2015 school year. KIP received surveys from 925 schools assessing antigen-specific immunizations for 56,238 children.

Highlights for Kindergarten Students

- 85.8% of schools reported >90.0% of current certificates on file
- 5.8% counties had >1.0% of students with a medical exemption
  - Owsley County reported the largest percentage of children with medical exemptions (1.5%)
- 20.0% counties had >1.0% of students with a religious exemption
  - Carlisle County reported the largest percentage of religious exemptions (4.5%)
- 10.8% counties had >10.0% of students who lacked a certificate on file
- 79.2% counties reported >90.0% of children receiving 4 or more DTaP
- 79.2% counties reported >90.0% of children receiving 3 or more Polio
- 80.0% counties reported >90.0% of children receiving 3 or more Hepatitis B
- 72.5% counties reported >90.0% of children receiving 2 or more MMR
- 70.1% counties reported >90.0% of children receiving 2 or more Varicella
- 36.7% counties met the Healthy People 2020 Objectives for each antigen (>95% for DTaP, Polio, HepB, MMR, and Varicella)

The following 82 counties reported >90.0% for each vaccine (4+ DTaP, 3+ Polio, 3+ HepB, 2+ MMR, and 2 Varicella).

Adair*	**Calloway***	**Fleming***	**Henry***	**Letcher***	**Meade***	**Pulaski***	**Washington**
Allen*	**Campbell***	**Floyd***	**Hickman**	**Lewis***	**Menifee***	**Robertson**	**Wayne***
Anderson	**Carter**	**Fulton***	**Hopkins***	**Lincoln***	**Mercer***	**Rockcastle***	**Whitley**
Ballard*	**Christian**	**Grant**	**Jackson***	**Lyon**	**Monroe**	**Rowan**	**Wolfe**
Barren*	**Clark**	**Graves**	**Jefferson**	**Madison***	**Morgan**	**Russell***	**Woodford**
Boone*	**Clay**	**Grayson***	**Jessamine**	**Marion***	**Nicholas**	**Shelby**	
Bourbon*	**Clinton***	**Green**	**Kenton***	**Marshall**	**Oldham***	**Simpson***	
Boyd	**Cumberland***	**Greenup**	**Knott**	**Martin***	**Owen***	**Spencer***	
Breckinridge	**Edmonson***	**Hancock***	**Lawrence***	**McCracken**	**Pendleton***	**Trigg**	
Bullitt	**Elliott**	**Hart***	**Lee**	**McCreary***	**Perry**	**Union***	
Caldwell	**Fayette**	**Henderson***	**Leslie**	**McLean**	**Pike***	**Warren**	

*Denotes counties that reported >95% for each vaccine and met the Healthy People 2020 Objectives[1].

Sixth Grade

One hundred percent of schools with sixth grades, both public and private, completed the annual survey for the 2014-2015 school year. KIP received surveys from 613 schools that assessed 54,358 children's antigen-specific immunizations. More schools (3.9%) reported in 2014-2015 than in 2013-2014, representing an increase of nearly 3.2% more children compared to the previous year.

Highlights for Sixth Grade Students

- 99.2% of all counties reported >90.0% of current certificates on file
- 11.7% counties had >1.0% of students with a medical exemption
  - Martin County reported the largest percentage of medical exemptions (2.5%)
- 17.5% counties had >1.0% of students with a religious exemption
  - Robertson County reported the largest percentage of religious exemptions (3.7%)
- 0.8% counties had >10.0% of students who lacked a certificate on file
- 48.3% counties reported >90.0% of children receiving 1 Tdap
- 42.5% counties reported >90.0% of children receiving 1 MCV
- 97.5% counties reported >90.0% of children receiving 3 or more Hepatitis B
- 100% counties reported >90.0% of children receiving 2 or more MMR
- 61.0% counties reported >90.0% of children receiving 2 or more Varicella
- 50.0% counties met the Healthy People 2020 Objectives for each antigen (>80% Tdap and MCV, 95% for HepB and MMR, and 90% for Varicella)

The following 49 counties reported >90.0% for each vaccine (1 Tdap, 1 MCV, 3+ HepB, 2+ MMR, and 2+ Varicella).

Ballard*	**Clinton***	**Gallatin***	**Hickman**	**Martin**	**Nicholas**	**Russell***
Boone*	**Crittenden**	**Grayson***	**Hopkins**	**McCracken**	**Oldham***	**Spencer***
Breckinridge	**Daviess**	**Green***	**Jackson***	**McCreary**	**Owen***	**Trigg**
Calloway	**Elliott**	**Hancock***	**Jessamine**	**McLean***	**Pendleton***	**Trimble***
Campbell	**Fleming***	**Hart**	**Kenton**	**Meade***	**Perry**	**Union***
Carter*	**Floyd***	**Henderson**	**Lewis***	**Mercer***	**Robertson**	**Wayne***
Casey*	**Fulton***	**Henry***	**Marshall**	**Morgan**	**Rockcastle***	**Woodford***

*Denotes counties that reported >95% for each vaccine.

Improvement Trends in Counties since the 2013-2014 Survey

Several improvement trends were noted at the county level in the results of the current survey compared to the 2013-2014 survey:

- Response rates for the return of sixth grade surveys increased from 97% to 100%
- For Kindergarten, the Healthy People 2020 Objectives for each antigen (>95% for DTaP, Polio, HepB, MMR, and Varicella) were met in 36.7% of counties compared to 20.0% of counties in the 2013-2014 survey.
- For Sixth Grade, the Healthy People 2020 Objectives for each antigen (>80% Tdap and MCV, 95% for HepB and MMR, and 90% for Varicella) were met in 50.0% counties compared to 20.2% of counties in the 2013-2014 survey.
- For Sixth Grade, 99.2% of all counties reported >90.0% of current certificates on file compared to 97.5% of counties in the 2013-2014 survey.
- For Sixth Grade, 48.3% counties reported >90.0% of children receiving 1 Tdap compared to 42.9% of counties in the 2013-2014 survey.
- For Sixth Grade, 42.5% counties reported >90.0% of children receiving 1 MCV compared to 37.0% of counties in the 2013-2014 survey.
- For Sixth Grade, 61.0% counties reported >90.0% of children receiving 2 or more doses of Varicella vaccine compared to 41.2% of counties in the 2013-2014 survey.
- When the lower and upper limits values of confidence intervals in Table 4 do not overlap, the estimated measures would be statistically significant. Thus small but statistically significant changes for increases in immunization compliance rates were reported in the 2014-2015 survey compared to the 2013-2014 survey for:
    - Kindergarten – 4+ DTaP (increase from 93.9% to 94.4%)
    - Sixth Grade – 1 Tdap (increase from 81.7% to 84.5%)
    - Sixth Grade – 1 MCV (increase from 80.4% to 83.1%)
    - Sixth Grade – 2 Varicella (increase form 84.2% to 88.8%)

County Profiles about Immunization Coverage

Appendix B has a summary of the survey results about immunization coverage for Kindergarten and Sixth Grade, by County, in a detailed County Profile. Instructions on “How to read a county profile” are included in Appendix B.

Area Development District Profiles about Immunization Coverage

Appendix C has a summary of the survey results about immunization coverage for Kindergarten and Sixth Grade in an Area Development District (ADD) and has an overall summary for each county in the ADD. Instructions on "How to read a ADD profile" are included in Appendix C.

Immunization Profiles for All Schools, by County

Appendix D contains a summary report of immunization coverage for all of Kindergarten and Sixth Grade for all schools in a county. Instructions on "How to read a county profile" are included in Appendix D.

Discussion

School entry regulations requiring childhood immunizations serve to protect children against once common vaccine-preventable diseases, some of which are still circulating widely in other areas of the world. Since the 2001-2002 school year, all 50 states, the District of Columbia, and Puerto Rico have had school entry immunization requirements. "School immunization requirements have not only been highly successful in reducing the incidence of disease but also in improving the immunization levels in school children."[2] In a 2-year effort, the Cincinnati primary school system was able to increase immunization levels of school-age children from 60% to 91% by following a program based upon its legal authority to require immunizations.[3] "Laws requiring that children be immunized before they begin school have contributed to a 98% to 100% reduction in the incidence of [Vaccine Preventable Diseases]."[4] According to Hinman, Orenstein, Williamson, and Darrington (2002), policy makers must balance the need to provide individual choice with the need to protect children's health.[2]

Schools can take steps to increase the number of students that are up-to-date on immunizations. Schools can keep immunization records neat and organized to make it easier to find files and identify when a child needs an immunization. Schools can also implement a tickler filing system and organize files based on which children will need an updated vaccine by date. School administrators can also check student records regularly for children not up-to-date on their immunizations and have a system in place to get each child immunized in a timely manner. For facilities that have electronic records, alerts can be set up to inform school staff when a child is no longer current on immunizations.

Limitations

There were several limitations to this study. First, the survey data were self-reported. KIP relied heavily on school and childcare personnel to accurately report vaccine-specific data. Although the supplemental worksheet to line list grade rosters to tally results for vaccine compliance was an aid in correctly identifying students who were current and up-to-date, completion is not mandated by law. KIP staff used a weighted validation process whereby field staff were sent to schools in each region to systematically sample students in the kindergarten class to ensure the data were being accurately reported. In some instances, KIP field staff were used as data collectors for non-respondent schools to increase survey compliance, but only for the kindergarten class per CDC guidance. Further validation measures will be implemented in future years to assure the data are collected correctly and reported accurately.

Homeschooled Children

The Kentucky Administrative Regulation for "Immunization schedules for attending child day care centers, certified family child care homes, other licensed facilities which care for children, preschool programs, and public and private primary and secondary schools," (902 KAR 2:060) does not mandate immunization requirements for children in Kentucky who are homeschooled. KIP does not have a current method to assess vaccination coverage for homeschooled children. A to Z Home's Cool (http://a2zhomeschooling.com/all_time_favorites/numbers_homeschooled_students/) estimated that approximately 20,074 children in Kentucky aged 5 through 17 years were taught at home during the 2014-2015 school year. Using KDE 2013-2014 enrollment data, KIP staff estimate that approximately 1,586 kindergarteners and 1,526 sixth graders were home schooled during this period and accounted for nearly 4% of the age-specific population.

Conclusion

School administrators, medical providers, and parents can work together to ensure that children are made safe from morbidity and mortality caused by vaccine preventable diseases. KIP will continue to assess age-appropriate vaccines for children enrolled in school and childcare facilities to ensure they are current and up-to-date according to the state regulation (902 KAR 2:060) and the recommendations of the Advisory Committee on Immunization Practices (ACIP).

References

1. U.S. Department of Health and Human Services. Office of Disease Prevention and Health Promotion. Healthy People 2020. Washington, DC. Available at [https://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases/objectives]. Accessed [May 18, 2016].
2. Hinman, A.R.; Orenstein, W.A.; Williamson, D.E.; Darrington, D. (2002). *Childhood Immunizations: Laws that Work.* The Journal of Law, Medicine, & Ethics. Supp. Vol. 30, No. 3. pp. 122-127.
3. Anthony, N.; Reed, M, Leff; A.M, Hufer, J.; Stephens, B. (1977). *Immunization: Public Health Programming Through Law Enforcement.* American Journal of Public Health. Vol. 67, No. 8. pp. 763-764.
4. Salmon, D.A.; Omer, S.B.; Moulton, L.H.; Stokley, S.; deHart, M.P.; Lett, S.; Norman, B.; Teret, S.; Halsey, N.A. (2005). *Exemptions to School Immunization Requirements: The Role of School-Level Requirements, Policies, and Procedures.* American Journal of Public Health. Vol. 95, No. 3. pp. 436-440.

Acknowledgements

Many persons contributed to the success of this report including: local health department staff, staff in both public and private schools, Kentucky Immunization Program (KIP) field staff, KIP staff in Frankfort, and other staff at the Kentucky Department for Public Health. A listing of those persons is included in Appendix E.

APPENDIX A

Immunization Survey Tool

KINDERGARTEN A-1
SIXTH GRADE A-2

COMMONWEALTH OF KENTUCKY
SCHOOL/FACILITY ANNUAL IMMUNIZATION SURVEY
Kindergarten
(902 KAR 2:055)

Please complete this form in its entirety.

1. Demographic Information

County: _____

School/Facility Name: _____

Address: _____

City: _____

State: _____ **Zipcode:** _____

Phone Number: _____

Type of Facility
(Place a check in the appropriate box)

☐ **Private**

☐ **Public**

Total number of children enrolled in Kindergarten ☐

NOTE: Information for the following should be obtained from the Commonwealth of Kentucky Immunization Certificate for each enrolled child.

2. Immunization Certificates and Exemptions

a. How many children have a current/provisional or expired immunization certificate on file? ☐

b. How many children are exempt from all or some immunizations for medical reasons? ☐

c. How many children are exempt from all immunizations for religious reasons? ☐

d. How many children DO NOT have any immunization certificate on file? ☐

STOP: The total of 2a + 2b + 2c + 2d MUST = the total number of children enrolled in Kindergarten

3. Vaccine Dose Summary

Vaccine	# Doses	# Children
DTaP/DTP/DT	4 or more	
Polio	3 or more	
Hepatitis B	3 or more	
MMR	2	
Varicella [or child has had chickenpox disease]	2	

Name of person completing this form: _____ Date: _____

COMMONWEALTH OF KENTUCKY
SCHOOL/FACILITY ANNUAL IMMUNIZATION SURVEY
Sixth Grade

(902 KAR 2:055)

Please complete this form in its entirety.

1. Demographic Information

County: _____

School/Facility Name: _____

Address: _____

City: _____

State: _____ **Zipcode:** _____

Phone Number: _____

Type of Facility
(Place a check in the appropriate box)

☐ **Private**

☐ **Public**

Total number of children enrolled in Sixth Grade ☐

NOTE: Information for the following should be obtained from the Commonwealth of Kentucky Immunization Certificate for each enrolled child.

2. Immunization Certificates and Exemptions

a. How many children have a current/provisional or expired immunization certificate on file? ☐

b. How many children are exempt from all or some immunizations for medical reasons? ☐

c. How many children are exempt from all immunizations for religious reasons? ☐

d. How many children DO NOT have any immunization certificate on file? ☐

STOP: The total of 2a + 2b + 2c + 2d MUST = the total number of children enrolled in Sixth Grade.

3. Vaccine Dose Summary

Vaccine	# Doses	# Children
Tdap	1	
Td Booster	1	
MCV (Meningococcal)	1	
Hepatitis B [3 doses] or Adolescent/Adult Hepatitis B [2 doses]	3 or 2	
MMR	2	
Varicella [or child has had chickenpox disease]	2	

Name of person completing this form: _____ Date: _____

APPENDIX B

2014-2015 ANNUAL SCHOOL IMMUNIZATION SURVEY—
County Profiles about Immunization Coverage

Appendix B: County Profiles about Immunization Coverage

Each county's profile summarizes school survey responses and how each age group collectively compares to the state average, US average, and the Healthy People 2020 Objectives. These pages are meant to provide a quick snapshot of school-aged immunization coverage rates and to identify areas for improvement as assessed from the Annual School Immunization Survey.

How to read a county profile

No. of Children: These numbers indicate how many total children were counted in the survey responses for each specific age group. This is not a count of how many schools or childcare facilities reported last year. Use caution when reviewing data when these numbers are very low.

Percentage of Certificates and Exemptions on File: This table provides a quick and easy way to determine the percentage breakdown of certificate type by age group. The majority of all certificates are current, including provisional and expired; however, if the exemptions or no certificates on file appears larger than those in another county, perhaps this is something to educate providers, schools, or parents about in order to address the potential risk for vaccine preventable diseases.

Vaccination Coverage Levels (with 95% Confidence Intervals) for Kindergarten and Sixth Grade: Each bar chart displays the calculated mean for each age-specific vaccination by age group. The black line with a vertical bracket at the beginning and end of the line identifies a 95% confidence interval for the lower and upper limit of the mean for each age-specific vaccination. This confidence interval represents a level of certainty about how good the calculated mean estimates the true mean if the school survey was repeated again and again. Ninety-five percent confidence intervals are routinely calculated by epidemiologists and statisticians, so you can be 95% certain the calculated confidence interval contains the true mean of the population. Sample size can change the width of the calculated confidence interval. Small counties with few schools and a small number of reports for students in each age group will cause the calculated range of values for the confidence interval to be much larger than counties with more schools and a larger number of reports for students. The confidence interval is much narrower when calculated with the survey data from a larger number of students.

Age-Specific Group Vaccines and Doses: This section of the page outlines the percentage of children in each age group with the appropriate number of age-specific vaccine doses.

> **County Ranking:** Counties were ranked 1 (Best) to 120 (Least) for the average percentage of children with the appropriate age-specific vaccine doses.
>
> **KY Average:** Overall state average percentages of age-specific vaccine doses.
>
> **US Average:** Overall US average percentages of age-specific vaccine doses.
>
> **HP 2020 Goal:** Targets for Healthy People (HP) 2020 Objectives vary between age groups. This percentage increases for Kindergarten to 95% for all age-specific vaccines. The objectives for Sixth Grade cover newer immunization requirements for Tdap, MCV and the second Varicella dose. If any county percentages did not met the HP 2020 Goal for an age-specific vaccine during the 2014-2015 school year, those percentages will be highlighted in red with the words "Not Met" for that vaccine indicated in the corresponding row of the profile table.

APPENDIX C

2014-2015 ANNUAL SCHOOL IMMUNIZATION SURVEY—

Area Development District (ADD) Profiles
About Immunization Coverage

Appendix C: Area Development District (ADD) Profiles

Each of these age-specific reports for both Kindergarten (Appendix C-1) and Sixth Grade (Appendix C-2) provides the aggregate totals of immunization certificate types (i.e., Current, Medical or Religious Exemptions, and Missing) and age appropriate immunizations reported for each Area Development District (ADD) by county, as part of the County Profiles (Appendix B).

This report also lists a report for each district or independent health department in the ADD, under each of the county totals/coverage rates, with coverage rates (percentage) for each certificate type and age-appropriate vaccinations. Children having the minimum number of doses for each immunization, as reported by each school, were considered compliant.

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases. The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures are assessed in school, as follows:

Kindergarten:

- Greater than 95% for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade:

- Greater than 95% for 3+ HepB and 2 MMR,
- Greater than 90% for 2 Varicella, and
- Greater than 80% for 1 Tdap and 1 MCV

If any of the age-appropriate HP 2020 target measures were not met at a school, the cell in the corresponding vaccine (COLUMN) for a given school (ROW) has been highlighted red .

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District I Purchase		2,324	2,228	7	27	62	2,226	2,226	2,225	2,182	2,178
			95.9%	*0.3%*	*1.2%*	*2.7%*	*95.8%*	*95.8%*	*95.7%*	*93.9%*	*93.7%*
District 01 Purchase	Ballard	92	92	0	0	0	90	91	92	90	90
			100.0%	*0.0%*	*0.0%*	*0.0%*	*97.8%*	*98.9%*	*100.0%*	*97.8%*	*97.8%*
District 01 Purchase	Carlisle	67	62	0	3	2	61	61	60	59	58
			92.5%	*0.0%*	*4.5%*	*3.0%*	*91.0%*	*91.0%*	*89.6%*	*88.1%*	*86.6%*
District 01 Purchase	Fulton	87	87	0	0	0	86	86	87	86	85
			100.0%	*0.0%*	*0.0%*	*0.0%*	*98.9%*	*98.9%*	*100.0%*	*98.9%*	*97.7%*
District 01 Purchase	Hickman	52	51	0	0	1	52	52	52	50	48
			98.1%	*0.0%*	*0.0%*	*1.9%*	*100.0%*	*100.0%*	*100.0%*	*96.2%*	*92.3%*
District 01 Purchase	McCracken	672	642	0	7	23	635	633	634	606	609
			95.5%	*0.0%*	*1.0%*	*3.4%*	*94.5%*	*94.2%*	*94.3%*	*90.2%*	*90.6%*
Independent	Calloway	415	403	2	9	1	405	406	406	404	402
			97.1%	*0.5%*	*2.2%*	*0.2%*	*97.6%*	*97.8%*	*97.8%*	*97.3%*	*96.9%*
Independent	Graves	532	516	4	6	6	515	515	512	508	505
			97.0%	*0.8%*	*1.1%*	*1.1%*	*96.8%*	*96.8%*	*96.2%*	*95.5%*	*94.9%*
Independent	Marshall	407	375	1	2	29	382	382	382	379	381
			92.1%	*0.2%*	*0.5%*	*7.1%*	*93.9%*	*93.9%*	*93.9%*	*93.1%*	*93.6%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District II Pennyrile		2,500	2,342	3	13	142	2,328	2,339	2,317	2,291	2,269
			93.7%	*0.1%*	*0.5%*	*5.7%*	*93.1%*	*93.6%*	*92.7%*	*91.6%*	*90.8%*
District 02 Pennyrile	Caldwell	144	139	0	2	3	139	139	136	139	134
			96.5%	*0.0%*	*1.4%*	*2.1%*	*96.5%*	*96.5%*	*94.4%*	*96.5%*	*93.1%*
District 02 Pennyrile	Crittenden	104	94	0	0	10	93	93	92	91	91
			90.4%	*0.0%*	*0.0%*	*9.6%*	*89.4%*	*89.4%*	*88.5%*	*87.5%*	*87.5%*
District 02 Pennyrile	Livingston	97	85	0	0	12	85	85	84	80	77
			87.6%	*0.0%*	*0.0%*	*12.4%*	*87.6%*	*87.6%*	*86.6%*	*82.5%*	*79.4%*
District 02 Pennyrile	Lyon	74	73	0	0	1	73	73	70	70	69
			98.6%	*0.0%*	*0.0%*	*1.4%*	*98.6%*	*98.6%*	*94.6%*	*94.6%*	*93.2%*
District 02 Pennyrile	Trigg	142	132	0	1	9	131	132	130	131	130
			93.0%	*0.0%*	*0.7%*	*6.3%*	*92.3%*	*93.0%*	*91.5%*	*92.3%*	*91.5%*
Independent	Christian	831	784	1	1	45	777	782	779	764	757
			94.3%	*0.1%*	*0.1%*	*5.4%*	*93.5%*	*94.1%*	*93.7%*	*91.9%*	*91.1%*
Independent	Hopkins	604	592	1	6	5	588	593	594	588	587
			98.0%	*0.2%*	*1.0%*	*0.8%*	*97.4%*	*98.2%*	*98.3%*	*97.4%*	*97.2%*
Independent	Muhlenberg	355	329	0	3	23	329	328	322	321	318
			92.7%	*0.0%*	*0.8%*	*6.5%*	*92.7%*	*92.4%*	*90.7%*	*90.4%*	*89.6%*
Independent	Todd	149	114	1	0	34	113	114	110	107	106
			76.5%	*0.7%*	*0.0%*	*22.8%*	*75.8%*	*76.5%*	*73.8%*	*71.8%*	*71.1%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District III Green River		2,864	2,718	3	9	134	2,700	2,712	2,695	2,651	2,628
			94.9%	*0.1%*	*0.3%*	*4.7%*	*94.3%*	*94.7%*	*94.1%*	*92.6%*	*91.8%*
District 03 Green River	Daviess	1,313	1232	2	1	78	1228	1231	1222	1198	1174
			93.8%	*0.2%*	*0.1%*	*5.9%*	*93.5%*	*93.8%*	*93.1%*	*91.2%*	*89.4%*
District 03 Green River	Hancock	102	102	0	0	0	101	102	102	101	102
			100.0%	*0.0%*	*0.0%*	*0.0%*	*99.0%*	*100.0%*	*100.0%*	*99.0%*	*100.0%*
District 03 Green River	Henderson	627	618	1	1	7	613	616	613	611	611
			98.6%	*0.2%*	*0.2%*	*1.1%*	*97.8%*	*98.2%*	*97.8%*	*97.4%*	*97.4%*
District 03 Green River	McLean	119	116	0	3	0	115	116	115	112	113
			97.5%	*0.0%*	*2.5%*	*0.0%*	*96.6%*	*97.5%*	*96.6%*	*94.1%*	*95.0%*
District 03 Green River	Ohio	335	302	0	2	31	296	298	298	286	286
			90.1%	*0.0%*	*0.6%*	*9.3%*	*88.4%*	*89.0%*	*89.0%*	*85.4%*	*85.4%*
District 03 Green River	Union	184	183	0	1	0	183	184	181	183	183
			99.5%	*0.0%*	*0.5%*	*0.0%*	*99.5%*	*100.0%*	*98.4%*	*99.5%*	*99.5%*
District 03 Green River	Webster	184	165	0	1	18	164	165	164	160	159
			89.7%	*0.0%*	*0.5%*	*9.8%*	*89.1%*	*89.7%*	*89.1%*	*87.0%*	*86.4%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District IV Barren River		3,584	3,450	6	26	102	3,405	3,414	3,396	3,383	3,362
			96.3%	*0.2%*	*0.7%*	*2.8%*	*95.0%*	*95.3%*	*94.8%*	*94.4%*	*93.8%*
District 04 Barren River	Barren	651	632	3	5	11	628	630	632	621	620
			97.1%	*0.5%*	*0.8%*	*1.7%*	*96.5%*	*96.8%*	*97.1%*	*95.4%*	*95.2%*
District 04 Barren River	Butler	176	167	0	1	8	166	167	163	158	156
			94.9%	*0.0%*	*0.6%*	*4.5%*	*94.3%*	*94.9%*	*92.6%*	*89.8%*	*88.6%*
District 04 Barren River	Edmonson	148	147	0	0	1	147	148	145	147	147
			99.3%	*0.0%*	*0.0%*	*0.7%*	*99.3%*	*100.0%*	*98.0%*	*99.3%*	*99.3%*
District 04 Barren River	Hart	186	186	0	0	0	182	185	183	182	180
			100.0%	*0.0%*	*0.0%*	*0.0%*	*97.8%*	*99.5%*	*98.4%*	*97.8%*	*96.8%*
District 04 Barren River	Logan	311	271	1	3	36	262	264	268	261	257
			87.1%	*0.3%*	*1.0%*	*11.6%*	*84.2%*	*84.9%*	*86.2%*	*83.9%*	*82.6%*
District 04 Barren River	Metcalfe	135	121	0	1	13	121	121	121	121	115
			89.6%	*0.0%*	*0.7%*	*9.6%*	*89.6%*	*89.6%*	*89.6%*	*89.6%*	*85.2%*
District 04 Barren River	Simpson	213	211	1	1	0	210	211	210	206	208
			99.1%	*0.5%*	*0.5%*	*0.0%*	*98.6%*	*99.1%*	*98.6%*	*96.7%*	*97.7%*
District 04 Barren River	Warren	1,361	1324	1	15	21	1300	1298	1283	1296	1290
			97.3%	*0.1%*	*1.1%*	*1.5%*	*95.5%*	*95.4%*	*94.3%*	*95.2%*	*94.8%*
Independent	Allen	250	248	0	0	2	246	248	249	249	247
			99.2%	*0.0%*	*0.0%*	*0.8%*	*98.4%*	*99.2%*	*99.6%*	*99.6%*	*98.8%*
Independent	Monroe	153	143	0	0	10	143	142	142	142	142
			93.5%	*0.0%*	*0.0%*	*6.5%*	*93.5%*	*92.8%*	*92.8%*	*92.8%*	*92.8%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District V Lincoln Trail		3,104	2,868	7	17	212	2,853	2,863	2,845	2,792	2,788
			92.4%	*0.2%*	*0.5%*	*6.8%*	*91.9%*	*92.2%*	*91.7%*	*89.9%*	*89.8%*
District 05 Lincoln Trail	Hardin	992	892	2	8	90	880	885	874	852	849
			89.9%	*0.2%*	*0.8%*	*9.1%*	*88.7%*	*89.2%*	*88.1%*	*85.9%*	*85.6%*
District V Lincoln Trail	Larue	171	155	0	0	16	149	150	149	147	146
			90.6%	*0.0%*	*0.0%*	*9.4%*	*87.1%*	*87.7%*	*87.1%*	*86.0%*	*85.4%*
District 05 Lincoln Trail	Marion	285	280	1	4	0	281	281	281	275	281
			98.2%	*0.4%*	*1.4%*	*0.0%*	*98.6%*	*98.6%*	*98.6%*	*96.5%*	*98.6%*
District 05 Lincoln Trail	Meade	350	348	0	2	0	347	347	347	348	348
			99.4%	*0.0%*	*0.6%*	*0.0%*	*99.1%*	*99.1%*	*99.1%*	*99.4%*	*99.4%*
District 05 Lincoln Trail	Nelson	568	479	2	1	86	482	486	484	466	465
			84.3%	*0.4%*	*0.2%*	*15.1%*	*84.9%*	*85.6%*	*85.2%*	*82.0%*	*81.9%*
District 05 Lincoln Trail	Washington	179	170	0	0	9	169	169	169	167	165
			95.0%	*0.0%*	*0.0%*	*5.0%*	*94.4%*	*94.4%*	*94.4%*	*93.3%*	*92.2%*
Independent	Breckinridge	258	244	2	2	10	245	245	243	239	236
			94.6%	*0.8%*	*0.8%*	*3.9%*	*95.0%*	*95.0%*	*94.2%*	*92.6%*	*91.5%*
Independent	Grayson	301	300	0	0	1	300	300	298	298	298
			99.7%	*0.0%*	*0.0%*	*0.3%*	*99.7%*	*99.7%*	*99.0%*	*99.0%*	*99.0%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District VI KIPDA		12,633	12,042	21	85	485	11,939	11,989	11,898	11,753	11,671
			95.3%	*0.2%*	*0.7%*	*3.8%*	*94.5%*	*94.9%*	*94.2%*	*93.0%*	*92.4%*
District 06 North Central	Henry	203	199	0	2	2	199	199	199	198	198
			98.0%	*0.0%*	*1.0%*	*1.0%*	*98.0%*	*98.0%*	*98.0%*	*97.5%*	*97.5%*
District 06 North Central	Shelby	547	523	0	2	22	516	515	513	506	497
			95.6%	*0.0%*	*0.4%*	*4.0%*	*94.3%*	*94.1%*	*93.8%*	*92.5%*	*90.9%*
District 06 North Central	Spencer	195	192	0	2	1	193	193	193	191	192
			98.5%	*0.0%*	*1.0%*	*0.5%*	*99.0%*	*99.0%*	*99.0%*	*97.9%*	*98.5%*
District 06 North Central	Trimble	124	115	0	0	9	113	115	114	106	105
			92.7%	*0.0%*	*0.0%*	*7.3%*	*91.1%*	*92.7%*	*91.9%*	*85.5%*	*84.7%*
Independent	Bullitt	990	947	2	3	38	940	941	938	923	924
			95.7%	*0.2%*	*0.3%*	*3.8%*	*94.9%*	*95.1%*	*94.7%*	*93.2%*	*93.3%*
Independent	Jefferson	9,758	9,268	14	64	412	9,179	9,227	9,148	9,037	8,965
			95.0%	*0.1%*	*0.7%*	*4.2%*	*94.1%*	*94.6%*	*93.7%*	*92.6%*	*91.9%*
Independent	Oldham	816	798	5	12	1	799	799	793	792	790
			97.8%	*0.6%*	*1.5%*	*0.1%*	*97.9%*	*97.9%*	*97.2%*	*97.1%*	*96.8%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District VII Northern Kentucky		6,114	5,968	16	66	64	5,907	5,929	5,948	5,884	5,851
			97.6%	*0.3%*	*1.1%*	*1.0%*	*96.6%*	*97.0%*	*97.3%*	*96.2%*	*95.7%*
District 07A Subtotal		5,489	*5,372*	*15*	*63*	*39*	*5,334*	*5,351*	*5,360*	*5,314*	*5,289*
			97.9%	*0.3%*	*1.1%*	*0.7%*	*97.2%*	*97.5%*	*97.6%*	*96.8%*	*96.4%*
District 07A Northern Kentucky	Boone	1,780	1,742	5	28	5	1,734	1,743	1,742	1,737	1,727
			97.9%	*0.3%*	*1.6%*	*0.3%*	*97.4%*	*97.9%*	*97.9%*	*97.6%*	*97.0%*
District 07A Northern Kentucky	Campbell	976	952	4	9	11	948	949	955	949	947
			97.5%	*0.4%*	*0.9%*	*1.1%*	*97.1%*	*97.2%*	*97.8%*	*97.2%*	*97.0%*
District 07A Northern Kentucky	Grant	375	364	1	2	8	358	365	360	357	355
			97.1%	*0.3%*	*0.5%*	*2.1%*	*95.5%*	*97.3%*	*96.0%*	*95.2%*	*94.7%*
District 07A Northern Kentucky	Kenton	2,358	2,314	5	24	15	2,294	2,294	2,303	2,271	2,260
			98.1%	*0.2%*	*1.0%*	*0.6%*	*97.3%*	*97.3%*	*97.7%*	*96.3%*	*95.8%*
District 07B Subtotal		625	596	1	3	25	573	578	588	570	562
			95.4%	*0.2%*	*0.5%*	*4.0%*	*91.7%*	*92.5%*	*94.1%*	*91.2%*	*89.9%*
District 07B Three Rivers	Carroll	190	173	0	0	17	165	164	171	162	156
			91.1%	*0.0%*	*0.0%*	*8.9%*	*86.8%*	*86.3%*	*90.0%*	*85.3%*	*82.1%*
District 07B Three Rivers	Gallatin	118	111	0	0	7	100	105	108	101	102
			94.1%	*0.0%*	*0.0%*	*5.9%*	*84.7%*	*89.0%*	*91.5%*	*85.6%*	*86.4%*
District 07B Three Rivers	Owen	135	132	1	1	1	129	130	129	131	129
			97.8%	*0.7%*	*0.7%*	*0.7%*	*95.6%*	*96.3%*	*95.6%*	*97.0%*	*95.6%*
District 07B Three Rivers	Pendleton	182	180	0	2	0	179	179	180	176	175
			98.9%	*0.0%*	*1.1%*	*0.0%*	*98.4%*	*98.4%*	*98.9%*	*96.7%*	*96.2%*

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	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District VIII Buffalo Trace		764	722	2	1	39	726	723	723	697	692
			94.5%	*0.3%*	*0.1%*	*5.1%*	*95.0%*	*94.6%*	*94.6%*	*91.2%*	*90.6%*
District 08 Buffalo Trace	Mason	219	193	0	0	26	193	193	189	172	171
			88.1%	*0.0%*	*0.0%*	*11.9%*	*88.1%*	*88.1%*	*86.3%*	*78.5%*	*78.1%*
District 08 Buffalo Trace	Robertson	19	19	0	0	0	19	19	18	19	19
			100.0%	*0.0%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*94.7%*	*100.0%*	*100.0%*
Independent	Bracken	136	123	1	0	12	129	125	129	125	122
			90.4%	*0.7%*	*0.0%*	*8.8%*	*94.9%*	*91.9%*	*94.9%*	*91.9%*	*89.7%*
Independent	Fleming	199	198	1	0	0	197	197	198	196	196
			99.5%	*0.5%*	*0.0%*	*0.0%*	*99.0%*	*99.0%*	*99.5%*	*98.5%*	*98.5%*
Independent	Lewis	191	189	0	1	1	188	189	189	185	184
			99.0%	*0.0%*	*0.5%*	*0.5%*	*98.4%*	*99.0%*	*99.0%*	*96.9%*	*96.3%*

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	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District IX Gateway		1,114	1,045	1	4	64	1,019	1,022	1,028	994	994
			93.8%	*0.1%*	*0.4%*	*5.7%*	*91.5%*	*91.7%*	*92.3%*	*89.2%*	*89.2%*
District 09 Gateway	Bath	173	160	0	0	13	160	160	155	149	151
			92.5%	*0.0%*	*0.0%*	*7.5%*	*92.5%*	*92.5%*	*89.6%*	*86.1%*	*87.3%*
District 09 Gateway	Menifee	81	81	0	0	0	81	81	81	81	81
			100.0%	*0.0%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*
District 09 Gateway	Morgan	158	155	0	0	3	155	155	155	151	150
			98.1%	*0.0%*	*0.0%*	*1.9%*	*98.1%*	*98.1%*	*98.1%*	*95.6%*	*94.9%*
District 09 Gateway	Rowan	280	264	0	1	15	261	263	265	254	253
			94.3%	*0.0%*	*0.4%*	*5.4%*	*93.2%*	*93.9%*	*94.6%*	*90.7%*	*90.4%*
Independent	Montgomery	422	385	1	3	33	362	363	372	359	359
			91.2%	*0.2%*	*0.7%*	*7.8%*	*85.8%*	*86.0%*	*88.2%*	*85.1%*	*85.1%*

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	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District X FIVCO		1,764	1,708	5	3	48	1,689	1,707	1,693	1,650	1,637
			96.8%	*0.3%*	*0.2%*	*2.7%*	*95.7%*	*96.8%*	*96.0%*	*93.5%*	*92.8%*
District 10 Little Sandy	Carter	347	337	2	0	8	335	338	337	323	320
			97.1%	*0.6%*	*0.0%*	*2.3%*	*96.5%*	*97.4%*	*97.1%*	*93.1%*	*92.2%*
District 10 Little Sandy	Elliott	99	94	0	0	5	94	94	92	93	93
			94.9%	*0.0%*	*0.0%*	*5.1%*	*94.9%*	*94.9%*	*92.9%*	*93.9%*	*93.9%*
Independent	Boyd	574	547	2	0	25	539	546	539	524	518
			95.3%	*0.3%*	*0.0%*	*4.4%*	*93.9%*	*95.1%*	*93.9%*	*91.3%*	*90.2%*
Independent	Greenup	495	485	1	3	6	481	485	480	473	469
			98.0%	*0.2%*	*0.6%*	*1.2%*	*97.2%*	*98.0%*	*97.0%*	*95.6%*	*94.7%*
Independent	Lawrence	249	245	0	0	4	240	244	245	237	237
			98.4%	*0.0%*	*0.0%*	*1.6%*	*96.4%*	*98.0%*	*98.4%*	*95.2%*	*95.2%*

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	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XI Big Sandy		2,027	1,955	5	2	65	1,945	1,945	1,953	1,921	1,919
			96.4%	*0.2%*	*0.1%*	*3.2%*	*96.0%*	*96.0%*	*96.3%*	*94.8%*	*94.7%*
Independent	Floyd	573	569	1	0	3	567	566	569	563	563
			99.3%	*0.2%*	*0.0%*	*0.5%*	*99.0%*	*98.8%*	*99.3%*	*98.3%*	*98.3%*
Independent	Johnson	320	276	1	1	42	273	267	274	267	266
			86.3%	*0.3%*	*0.3%*	*13.1%*	*85.3%*	*83.4%*	*85.6%*	*83.4%*	*83.1%*
Independent	Magoffin	173	156	1	1	15	157	159	159	149	148
			90.2%	*0.6%*	*0.6%*	*8.7%*	*90.8%*	*91.9%*	*91.9%*	*86.1%*	*85.5%*
Independent	Martin	165	162	2	0	1	164	164	164	162	164
			98.2%	*1.2%*	*0.0%*	*0.6%*	*99.4%*	*99.4%*	*99.4%*	*98.2%*	*99.4%*
Independent	Pike	796	792	0	0	4	784	789	787	780	778
			99.5%	*0.0%*	*0.0%*	*0.5%*	*98.5%*	*99.1%*	*98.9%*	*98.0%*	*97.7%*

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	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XII Kentucky River		1,480	1,402	6	3	69	1,383	1,390	1,392	1,347	1,361
			94.7%	*0.4%*	*0.2%*	*4.7%*	*93.4%*	*93.9%*	*94.1%*	*91.0%*	*92.0%*
District 12 Kentucky River	Knott	218	200	0	2	16	200	200	198	199	197
			91.7%	*0.0%*	*0.9%*	*7.3%*	*91.7%*	*91.7%*	*90.8%*	*91.3%*	*90.4%*
District 12 Kentucky River	Lee	86	81	0	0	5	79	80	79	79	79
			94.2%	*0.0%*	*0.0%*	*5.8%*	*91.9%*	*93.0%*	*91.9%*	*91.9%*	*91.9%*
District 12 Kentucky River	Leslie	148	145	0	0	3	141	144	144	137	139
			98.0%	*0.0%*	*0.0%*	*2.0%*	*95.3%*	*97.3%*	*97.3%*	*92.6%*	*93.9%*
District 12 Kentucky River	Letcher	296	286	3	1	6	287	288	288	286	285
			96.6%	*1.0%*	*0.3%*	*2.0%*	*97.0%*	*97.3%*	*97.3%*	*96.6%*	*96.3%*
District 12 Kentucky River	Owsley	65	62	1	0	2	63	61	63	56	62
			95.4%	*1.5%*	*0.0%*	*3.1%*	*96.9%*	*93.8%*	*96.9%*	*86.2%*	*95.4%*
District 12 Kentucky River	Perry	401	384	2	0	15	380	383	379	370	377
			95.8%	*0.5%*	*0.0%*	*3.7%*	*94.8%*	*95.5%*	*94.5%*	*92.3%*	*94.0%*
District 12 Kentucky River	Wolfe	97	91	0	0	6	89	90	89	89	90
			93.8%	*0.0%*	*0.0%*	*6.2%*	*91.8%*	*92.8%*	*91.8%*	*91.8%*	*92.8%*
Independent	Breathitt	169	153	0	0	16	144	144	152	131	132
			90.5%	*0.0%*	*0.0%*	*9.5%*	*85.2%*	*85.2%*	*89.9%*	*77.5%*	*78.1%*

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			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XIII Cumberland Valley		3,321	3,000	5	15	301	2,975	2,990	2,945	2,893	2,891
			90.3%	*0.2%*	*0.5%*	*9.1%*	*89.6%*	*90.0%*	*88.7%*	*87.1%*	*87.1%*
District 13 Cumberland Valley	Clay	338	318	0	0	20	318	317	310	309	308
			94.1%	*0.0%*	*0.0%*	*5.9%*	*94.1%*	*93.8%*	*91.7%*	*91.4%*	*91.1%*
District 13 Cumberland Valley	Jackson	193	190	0	3	0	189	188	187	189	188
			98.4%	*0.0%*	*1.6%*	*0.0%*	*97.9%*	*97.4%*	*96.9%*	*97.9%*	*97.4%*
District 13 Cumberland Valley	Rockcastle	213	208	0	2	3	206	207	207	204	204
			97.7%	*0.0%*	*0.9%*	*1.4%*	*96.7%*	*97.2%*	*97.2%*	*95.8%*	*95.8%*
Independent	Bell	386	349	2	0	35	349	349	349	324	327
			90.4%	*0.5%*	*0.0%*	*9.1%*	*90.4%*	*90.4%*	*90.4%*	*83.9%*	*84.7%*
Independent	Harlan	370	310	0	0	60	304	308	307	292	292
			83.8%	*0.0%*	*0.0%*	*16.2%*	*82.2%*	*83.2%*	*83.0%*	*78.9%*	*78.9%*
Independent	Knox	438	361	1	2	74	356	358	346	347	345
			82.4%	*0.2%*	*0.5%*	*16.9%*	*81.3%*	*81.7%*	*79.0%*	*79.2%*	*78.8%*
Independent	Laurel	814	711	2	2	99	705	712	688	690	685
			87.3%	*0.2%*	*0.2%*	*12.2%*	*86.6%*	*87.5%*	*84.5%*	*84.8%*	*84.2%*
Independent	Whitley	569	553	0	6	10	548	551	551	538	542
			97.2%	*0.0%*	*1.1%*	*1.8%*	*96.3%*	*96.8%*	*96.8%*	*94.6%*	*95.3%*

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			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XIV Lake Cumberland		2,640	2,584	8	18	30	2,556	2,551	2,579	2,556	2,557
			97.9%	*0.3%*	*0.7%*	*1.1%*	*96.8%*	*96.6%*	*97.7%*	*96.8%*	*96.9%*
District 14 Lake Cumberland	Adair	201	201	0	0	0	192	201	200	198	197
			100.0%	*0.0%*	*0.0%*	*0.0%*	*95.5%*	*100.0%*	*99.5%*	*98.5%*	*98.0%*
District 14 Lake Cumberland	Casey	184	168	0	2	14	168	168	167	164	167
			91.3%	*0.0%*	*1.1%*	*7.6%*	*91.3%*	*91.3%*	*90.8%*	*89.1%*	*90.8%*
District 14 Lake Cumberland	Clinton	150	148	0	2	0	144	148	148	147	148
			98.7%	*0.0%*	*1.3%*	*0.0%*	*96.0%*	*98.7%*	*98.7%*	*98.0%*	*98.7%*
District 14 Lake Cumberland	Cumberland	78	76	1	0	1	77	77	77	76	76
			97.4%	*1.3%*	*0.0%*	*1.3%*	*98.7%*	*98.7%*	*98.7%*	*97.4%*	*97.4%*
District 14 Lake Cumberland	Green	153	146	2	1	4	145	145	143	145	144
			95.4%	*1.3%*	*0.7%*	*2.6%*	*94.8%*	*94.8%*	*93.5%*	*94.8%*	*94.1%*
District 14 Lake Cumberland	McCreary	210	208	0	1	1	207	207	208	202	203
			99.0%	*0.0%*	*0.5%*	*0.5%*	*98.6%*	*98.6%*	*99.0%*	*96.2%*	*96.7%*
District 14 Lake Cumberland	Pulaski	831	817	3	7	4	818	821	819	811	806
			98.3%	*0.4%*	*0.8%*	*0.5%*	*98.4%*	*98.8%*	*98.6%*	*97.6%*	*97.0%*
District 14 Lake Cumberland	Russell	272	270	1	1	0	271	271	270	269	267
			99.3%	*0.4%*	*0.4%*	*0.0%*	*99.6%*	*99.6%*	*99.3%*	*98.9%*	*98.2%*
District 14 Lake Cumberland	Taylor	327	319	0	2	6	302	281	315	312	317
			97.6%	*0.0%*	*0.6%*	*1.8%*	*92.4%*	*85.9%*	*96.3%*	*95.4%*	*96.9%*
District 14 Lake Cumberland	Wayne	234	231	1	2	0	232	232	232	232	232
			98.7%	*0.4%*	*0.9%*	*0.0%*	*99.1%*	*99.1%*	*99.1%*	*99.1%*	*99.1%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XV Bluegrass		9,878	9,540	18	80	367	9,432	9,440	9,311	9,157	9,100
			96.6%	*0.2%*	*0.8%*	*3.7%*	*95.5%*	*95.6%*	*94.3%*	*92.7%*	*92.1%*
Bluegrass Capital Region Subtotal		3,219	2,990	3	36	190	2,942	2,967	2,923	2,785	2,758
			92.9%	*0.1%*	*1.1%*	*5.9%*	*91.4%*	*92.2%*	*90.8%*	*86.5%*	*85.7%*
District 15 WEDCO	Harrison	235	209	0	0	26	206	208	207	193	200
			88.9%	*0.0%*	*0.0%*	*11.1%*	*87.7%*	*88.5%*	*88.1%*	*82.1%*	*85.1%*
District 15 WEDCO	Nicholas	95	95	0	0	0	92	94	93	90	90
			100.0%	*0.0%*	*0.0%*	*0.0%*	*96.8%*	*98.9%*	*97.9%*	*94.7%*	*94.7%*
District 15 WEDCO	Scott	733	655	2	9	67	651	654	636	633	653
			89.4%	*0.3%*	*1.2%*	*9.1%*	*88.8%*	*89.2%*	*86.8%*	*86.4%*	*89.1%*
Independent	Anderson	288	278	0	4	6	280	276	278	272	269
			96.5%	*0.0%*	*1.4%*	*2.1%*	*97.2%*	*95.8%*	*96.5%*	*94.4%*	*93.4%*
Independent	Bourbon	266	261	0	1	4	261	261	261	256	259
			98.1%	*0.0%*	*0.4%*	*1.5%*	*98.1%*	*98.1%*	*98.1%*	*96.2%*	*97.4%*
Independent	Franklin	653	576	0	3	74	566	568	565	450	409
			88.2%	*0.0%*	*0.5%*	*11.3%*	*86.7%*	*87.0%*	*86.5%*	*68.9%*	*62.6%*
Independent	Jessamine	628	604	0	12	12	573	593	575	585	575
			96.2%	*0.0%*	*1.9%*	*1.9%*	*91.2%*	*94.4%*	*91.6%*	*93.2%*	*91.6%*
Independent	Woodford	321	312	1	7	1	313	313	308	306	303
			97.2%	*0.3%*	*2.2%*	*0.3%*	*97.5%*	*97.5%*	*96.0%*	*95.3%*	*94.4%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XV Bluegrass		9,878	9,540	18	80	367	9,432	9,440	9,311	9,157	9,100
			96.6%	*0.2%*	*0.8%*	*3.7%*	*95.5%*	*95.6%*	*94.3%*	*92.7%*	*92.1%*
Bluegrass South Region Subtotal		2,851	2,845	6	13	114	2,821	2,824	2,820	2,765	2,755
			99.8%	*0.2%*	*0.5%*	*4.0%*	*98.9%*	*99.1%*	*98.9%*	*97.0%*	*96.6%*
Independent	Boyle	368	312	0	0	27	310	311	308	309	303
			92.0%	*0.0%*	*0.0%*	*8.0%*	*91.4%*	*91.7%*	*90.9%*	*91.2%*	*89.4%*
Independent	Clark	444	437	0	1	28	434	432	433	423	420
			93.8%	*0.0%*	*0.2%*	*6.0%*	*93.1%*	*92.7%*	*92.9%*	*90.8%*	*90.1%*
Independent	Estill	176	138	0	0	18	138	138	136	128	127
			88.5%	*0.0%*	*0.0%*	*11.5%*	*88.5%*	*88.5%*	*87.2%*	*82.1%*	*81.4%*
Independent	Garrard	213	188	2	1	10	178	181	186	173	178
			93.5%	*1.0%*	*0.5%*	*5.0%*	*88.6%*	*90.0%*	*92.5%*	*86.1%*	*88.6%*
Independent	Lincoln	284	306	3	2	1	304	306	305	301	301
			98.1%	*1.0%*	*0.6%*	*0.3%*	*97.4%*	*98.1%*	*97.8%*	*96.5%*	*96.5%*
Independent	Madison	944	1,034	1	8	10	1,026	1,026	1,024	1,007	1,000
			98.2%	*0.1%*	*0.8%*	*0.9%*	*97.4%*	*97.4%*	*97.2%*	*95.6%*	*95.0%*
Independent	Mercer	252	273	0	1	1	274	273	273	272	274
			99.3%	*0.0%*	*0.4%*	*0.4%*	*99.6%*	*99.3%*	*99.3%*	*98.9%*	*99.6%*
Independent	Powell	170	157	0	0	19	157	157	155	152	152
			89.2%	*0.0%*	*0.0%*	*10.8%*	*89.2%*	*89.2%*	*88.1%*	*86.4%*	*86.4%*

2014-2015 Annual School Immunization Survey--Kindergarten Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
			95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
District XV Bluegrass		9,878	9,540	18	80	367	9,432	9,440	9,311	9,157	9,100
			96.6%	*0.2%*	*0.8%*	*3.7%*	*95.5%*	*95.6%*	*94.3%*	*92.7%*	*92.1%*
Lexington-Fayette Region Subtotal		3,808	3,705	9	31	63	3,669	3,649	3,568	3,607	3,587
			97.3%	*0.2%*	*0.8%*	*1.7%*	*96.3%*	*95.8%*	*93.7%*	*94.7%*	*94.2%*
Independent	Fayette	3,808	3,705	9	31	63	3,669	3,649	3,568	3,607	3,587
			97.3%	*0.2%*	*0.8%*	*1.7%*	*96.3%*	*95.8%*	*93.7%*	*94.7%*	*94.2%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113 *97.7%*	217 *0.4%*	277 *0.5%*	751 *1.4%*	45,915 *84.5%*	45,181 *83.1%*	52,969 *97.4%*	53,120 *97.7%*	48,292 *88.8%*
District I Purchase		2,272	2,198 *96.7%*	9 *0.4%*	20 *0.9%*	45 *2.0%*	2,089 *91.9%*	2,079 *91.5%*	2,209 *97.2%*	2,203 *97.0%*	2,116 *93.1%*
District 01 Purchase	Ballard	105	104 *99.0%*	0 *0.0%*	1 *1.0%*	0 *0.0%*	103 *98.1%*	102 *97.1%*	105 *100.0%*	105 *100.0%*	102 *97.1%*
District 01 Purchase	Carlisle	58	55 *94.8%*	0 *0.0%*	1 *1.7%*	2 *3.4%*	55 *94.8%*	55 *94.8%*	56 *96.6%*	56 *96.6%*	52 *89.7%*
District 01 Purchase	Fulton	81	81 *100.0%*	0 *0.0%*	0 *0.0%*	0 *0.0%*	80 *98.8%*	80 *98.8%*	81 *100.0%*	81 *100.0%*	81 *100.0%*
District 01 Purchase	Hickman	44	44 *100.0%*	0 *0.0%*	0 *0.0%*	0 *0.0%*	40 *90.9%*	40 *90.9%*	44 *100.0%*	44 *100.0%*	40 *90.9%*
District 01 Purchase	McCracken	755	743 *98.4%*	2 *0.3%*	9 *1.2%*	1 *0.1%*	691 *91.5%*	688 *91.1%*	747 *98.9%*	745 *98.7%*	709 *93.9%*
Independent	Calloway	382	367 *96.1%*	2 *0.5%*	7 *1.8%*	6 *1.6%*	360 *94.2%*	359 *94.0%*	367 *96.1%*	367 *96.1%*	363 *95.0%*
Independent	Graves	459	429 *93.5%*	3 *0.7%*	1 *0.2%*	26 *5.7%*	389 *84.7%*	385 *83.9%*	428 *93.2%*	427 *93.0%*	401 *87.4%*
Independent	Marshall	388	375 *96.6%*	2 *0.5%*	1 *0.3%*	10 *2.6%*	371 *95.6%*	370 *95.4%*	381 *98.2%*	378 *97.4%*	368 *94.8%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District II Pennyrile		2,404	2,355	7	7	35	1,989	1,959	2,360	2,350	2,116
			98.0%	0.3%	0.3%	1.5%	82.7%	81.5%	98.2%	97.8%	88.0%
District 02 Pennyrile	Caldwell	152	152	0	0	0	143	140	150	150	131
			100.0%	0.0%	0.0%	0.0%	94.1%	92.1%	98.7%	98.7%	86.2%
District 02 Pennyrile	Crittenden	106	102	0	0	4	99	102	105	106	102
			96.2%	0.0%	0.0%	3.8%	93.4%	96.2%	99.1%	100.0%	96.2%
District 02 Pennyrile	Livingston	85	82	0	1	2	48	47	80	81	56
			96.5%	0.0%	1.2%	2.4%	56.5%	55.3%	94.1%	95.3%	65.9%
District 02 Pennyrile	Lyon	65	64	0	0	1	53	50	64	64	52
			98.5%	0.0%	0.0%	1.5%	81.5%	76.9%	98.5%	98.5%	80.0%
District 02 Pennyrile	Trigg	152	152	0	0	0	144	141	152	152	148
			100.0%	0.0%	0.0%	0.0%	94.7%	92.8%	100.0%	100.0%	97.4%
Independent	Christian	778	762	0	1	15	583	566	771	763	674
			97.9%	0.0%	0.1%	1.9%	74.9%	72.8%	99.1%	98.1%	86.6%
Independent	Hopkins	553	543	3	2	5	500	500	536	534	522
			98.2%	0.5%	0.4%	0.9%	90.4%	90.4%	96.9%	96.6%	94.4%
Independent	Muhlenberg	360	352	4	3	1	313	309	356	354	312
			97.8%	1.1%	0.8%	0.3%	86.9%	85.8%	98.9%	98.3%	86.7%
Independent	Todd	153	146	0	0	7	106	104	146	146	119
			95.4%	0.0%	0.0%	4.6%	69.3%	68.0%	95.4%	95.4%	77.8%

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District III Green River		2,730	2,663	9	13	45	2,430	2,435	2,676	2,676	2,468
			97.5%	*0.3%*	*0.5%*	*1.6%*	*89.0%*	*89.2%*	*98.0%*	*98.0%*	*90.4%*
District 03 Green River	Daviess	1,263	1,238	4	4	17	1,175	1,164	1,251	1,250	1,179
			98.0%	*0.3%*	*0.3%*	*1.3%*	*93.0%*	*92.2%*	*99.0%*	*99.0%*	*93.3%*
District 03 Green River	Hancock	125	121	1	3	0	121	122	124	123	120
			96.8%	*0.8%*	*2.4%*	*0.0%*	*96.8%*	*97.6%*	*99.2%*	*98.4%*	*96.0%*
District 03 Green River	Henderson	559	553	3	1	2	504	518	556	555	522
			98.9%	*0.5%*	*0.2%*	*0.4%*	*90.2%*	*92.7%*	*99.5%*	*99.3%*	*93.4%*
District 03 Green River	McLean	119	115	0	4	0	115	115	116	116	116
			96.6%	*0.0%*	*3.4%*	*0.0%*	*96.6%*	*96.6%*	*97.5%*	*97.5%*	*97.5%*
District 03 Green River	Ohio	284	274	0	0	10	194	191	269	270	205
			96.5%	*0.0%*	*0.0%*	*3.5%*	*68.3%*	*67.3%*	*94.7%*	*95.1%*	*72.2%*
District 03 Green River	Union	205	202	1	1	1	199	202	203	203	198
			98.5%	*0.5%*	*0.5%*	*0.5%*	*97.1%*	*98.5%*	*99.0%*	*99.0%*	*96.6%*
District 03 Green River	Webster	175	160	0	0	15	122	123	157	159	128
			91.4%	*0.0%*	*0.0%*	*8.6%*	*69.7%*	*70.3%*	*89.7%*	*90.9%*	*73.1%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District IV Barren River		3,281	3,202	32	6	41	2,677	2,583	3,172	3,179	2,790
			97.6%	1.0%	0.2%	1.2%	81.6%	78.7%	96.7%	96.9%	85.0%
District 04 Barren River	Barren	518	510	2	3	3	426	425	471	472	459
			98.5%	0.4%	0.6%	0.6%	82.2%	82.0%	90.9%	91.1%	88.6%
District 04 Barren River	Butler	159	155	1	0	3	95	92	155	154	112
			97.5%	0.6%	0.0%	1.9%	59.7%	57.9%	97.5%	96.9%	70.4%
District 04 Barren River	Edmonson	135	134	0	0	1	101	100	133	133	114
			99.3%	0.0%	0.0%	0.7%	74.8%	74.1%	98.5%	98.5%	84.4%
District 04 Barren River	Hart	148	148	0	0	0	145	143	145	148	139
			100.0%	0.0%	0.0%	0.0%	98.0%	96.6%	98.0%	100.0%	93.9%
District 04 Barren River	Logan	316	302	4	0	10	259	255	311	312	273
			95.6%	1.3%	0.0%	3.2%	82.0%	80.7%	98.4%	98.7%	86.4%
District 04 Barren River	Metcalfe	115	115	0	0	0	95	92	113	112	103
			100.0%	0.0%	0.0%	0.0%	82.6%	80.0%	98.3%	97.4%	89.6%
District 04 Barren River	Simpson	227	221	1	1	4	205	197	221	220	210
			97.4%	0.4%	0.4%	1.8%	90.3%	86.8%	97.4%	96.9%	92.5%
District 04 Barren River	Warren	1,292	1,251	23	2	16	1,009	955	1,258	1,261	1,047
			96.8%	1.8%	0.2%	1.2%	78.1%	73.9%	97.4%	97.6%	81.0%
Independent	Allen	239	235	1	0	3	232	214	233	235	225
			98.3%	0.4%	0.0%	1.3%	97.1%	89.5%	97.5%	98.3%	94.1%
Independent	Monroe	132	131	0	0	1	110	110	132	132	108
			99.2%	0.0%	0.0%	0.8%	83.3%	83.3%	100.0%	100.0%	81.8%

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District V Lincoln Trail		3,279	3,077	8	16	22	2,708	2,659	3,063	3,070	2,879
			93.8%	0.2%	0.5%	0.7%	82.6%	81.1%	93.4%	93.6%	87.8%
District 05 Lincoln Trail	Hardin	1,135	1,121	2	6	6	996	945	1,129	1,121	1,038
			98.8%	0.2%	0.5%	0.5%	87.8%	83.3%	99.5%	98.8%	91.5%
District V Lincoln Trail	Larue	166	165	1	0	0	124	124	163	163	129
			99.4%	0.6%	0.0%	0.0%	74.7%	74.7%	98.2%	98.2%	77.7%
District 05 Lincoln Trail	Marion	251	247	0	1	3	214	220	245	245	249
			98.4%	0.0%	0.4%	1.2%	85.3%	87.6%	97.6%	97.6%	99.2%
District 05 Lincoln Trail	Meade	369	366	2	1	0	361	361	369	369	359
			99.2%	0.5%	0.3%	0.0%	97.8%	97.8%	100.0%	100.0%	97.3%
District 05 Lincoln Trail	Nelson	618	600	2	4	12	452	452	577	596	538
			97.1%	0.3%	0.6%	1.9%	73.1%	73.1%	93.4%	96.4%	87.1%
District 05 Lincoln Trail	Washington	156	152	2	0	2	130	124	152	150	141
			97.4%	1.3%	0.0%	1.3%	83.3%	79.5%	97.4%	96.2%	90.4%
Independent	Breckinridge	261	257	1	3	0	249	247	259	255	249
			98.5%	0.4%	1.1%	0.0%	95.4%	94.6%	99.2%	97.7%	95.4%
Independent	Grayson	323	321	0	1	1	312	310	321	321	317
			99.4%	0.0%	0.3%	0.3%	96.6%	96.0%	99.4%	99.4%	98.1%

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District VI KIPDA		12,576	12,334	33	76	133	11,122	11,032	12,368	12,354	11,795
			98.1%	*0.3%*	*0.6%*	*1.1%*	*88.4%*	*87.7%*	*98.3%*	*98.2%*	*93.8%*
District 06 North Central	Henry	244	242	1	1	0	237	238	243	242	239
			99.2%	*0.4%*	*0.4%*	*0.0%*	*97.1%*	*97.5%*	*99.6%*	*99.2%*	*98.0%*
District 06 North Central	Shelby	563	549	5	2	7	439	432	541	546	479
			97.5%	*0.9%*	*0.4%*	*1.2%*	*78.0%*	*76.7%*	*96.1%*	*97.0%*	*85.1%*
District 06 North Central	Spencer	227	226	1	0	0	227	227	227	226	227
			99.6%	*0.4%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*100.0%*	*99.6%*	*100.0%*
District 06 North Central	Trimble	105	104	1	0	0	104	105	105	105	105
			99.0%	*1.0%*	*0.0%*	*0.0%*	*99.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*
Independent	Bullitt	1,079	1,064	2	5	8	852	836	1,062	1,062	950
			98.6%	*0.2%*	*0.5%*	*0.7%*	*79.0%*	*77.5%*	*98.4%*	*98.4%*	*88.0%*
Independent	Jefferson	9,335	9,147	21	54	113	8,286	8,218	9,182	9,167	8,807
			98.0%	*0.2%*	*0.6%*	*1.2%*	*88.8%*	*88.0%*	*98.4%*	*98.2%*	*94.3%*
Independent	Oldham	1,023	1,002	2	14	5	977	976	1,008	1,006	988
			97.9%	*0.2%*	*1.4%*	*0.5%*	*95.5%*	*95.4%*	*98.5%*	*98.3%*	*96.6%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District VII Northern Kentucky		5,988	5,854	22	41	71	5,597	5,552	5,914	5,905	5,704
			97.8%	0.4%	0.7%	1.2%	93.5%	92.7%	98.8%	98.6%	95.3%
District 07A Subtotal		5,424	5,315	21	39	49	5,085	5,039	5,361	5,356	5,184
			98.0%	0.4%	0.7%	0.9%	93.8%	92.9%	98.8%	98.7%	95.6%
District 07A Northern Kentucky	Boone	1,911	1,878	8	20	5	1,831	1,818	1,886	1,883	1,841
			98.3%	0.4%	1.0%	0.3%	95.8%	95.1%	98.7%	98.5%	96.3%
District 07A Northern Kentucky	Campbell	1,026	1,006	6	5	9	971	967	1,015	1,013	986
			98.1%	0.6%	0.5%	0.9%	94.6%	94.2%	98.9%	98.7%	96.1%
District 07A Northern Kentucky	Grant	339	329	0	1	9	263	256	326	328	294
			97.1%	0.0%	0.3%	2.7%	77.6%	75.5%	96.2%	96.8%	86.7%
District 07A Northern Kentucky	Kenton	2,148	2,102	7	13	26	2,020	1,998	2,134	2,132	2,063
			97.9%	0.3%	0.6%	1.2%	94.0%	93.0%	99.3%	99.3%	96.0%
District 07B Subtotal		564	539	1	2	22	512	513	553	549	520
			95.6%	0.2%	0.4%	3.9%	90.8%	91.0%	98.0%	97.3%	92.2%
District 07B Three Rivers	Carroll	139	119	0	0	20	97	97	133	131	105
			85.6%	0.0%	0.0%	14.4%	69.8%	69.8%	95.7%	94.2%	75.5%
District 07B Three Rivers	Gallatin	124	124	0	0	0	119	119	122	122	119
			100.0%	0.0%	0.0%	0.0%	96.0%	96.0%	98.4%	98.4%	96.0%
District 07B Three Rivers	Owen	126	123	0	1	2	123	123	123	123	123
			97.6%	0.0%	0.8%	1.6%	97.6%	97.6%	97.6%	97.6%	97.6%
District 07B Three Rivers	Pendleton	175	173	1	1	0	173	174	175	173	173
			98.9%	0.6%	0.6%	0.0%	98.9%	99.4%	100.0%	98.9%	98.9%

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District VIII Buffalo Trace		696	684	2	1	9	563	555	686	677	601
			98.3%	*0.3%*	*0.1%*	*1.3%*	*80.9%*	*79.7%*	*98.6%*	*97.3%*	*86.4%*
District 08 Buffalo Trace	Mason	202	196	1	0	5	95	92	196	196	131
			97.0%	*0.5%*	*0.0%*	*2.5%*	*47.0%*	*45.5%*	*97.0%*	*97.0%*	*64.9%*
District 08 Buffalo Trace	Robertson	27	26	0	1	0	25	26	26	26	26
			96.3%	*0.0%*	*3.7%*	*0.0%*	*92.6%*	*96.3%*	*96.3%*	*96.3%*	*96.3%*
Independent	Bracken	125	120	1	0	4	107	103	122	113	110
			96.0%	*0.8%*	*0.0%*	*3.2%*	*85.6%*	*82.4%*	*97.6%*	*90.4%*	*88.0%*
Independent	Fleming	198	198	0	0	0	196	194	198	198	192
			100.0%	*0.0%*	*0.0%*	*0.0%*	*99.0%*	*98.0%*	*100.0%*	*100.0%*	*97.0%*
Independent	Lewis	144	144	0	0	0	140	140	144	144	142
			100.0%	*0.0%*	*0.0%*	*0.0%*	*97.2%*	*97.2%*	*100.0%*	*100.0%*	*98.6%*

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District IX Gateway		1,006	974	9	4	19	797	733	988	992	868
			96.8%	*0.9%*	*0.4%*	*1.9%*	*79.2%*	*72.9%*	*98.2%*	*98.6%*	*86.3%*
District 09 Gateway	Bath	158	154	0	0	4	93	93	155	155	155
			97.5%	*0.0%*	*0.0%*	*2.5%*	*58.9%*	*58.9%*	*98.1%*	*98.1%*	*98.1%*
District 09 Gateway	Menifee	89	89	0	0	0	75	74	89	89	79
			100.0%	*0.0%*	*0.0%*	*0.0%*	*84.3%*	*83.1%*	*100.0%*	*100.0%*	*88.8%*
District 09 Gateway	Morgan	157	155	1	1	0	145	146	157	156	151
			98.7%	*0.6%*	*0.6%*	*0.0%*	*92.4%*	*93.0%*	*100.0%*	*99.4%*	*96.2%*
District 09 Gateway	Rowan	246	239	3	2	2	133	130	244	242	169
			97.2%	*1.2%*	*0.8%*	*0.8%*	*54.1%*	*52.8%*	*99.2%*	*98.4%*	*68.7%*
Independent	Montgomery	356	337	5	1	13	351	290	343	350	314
			94.7%	*1.4%*	*0.3%*	*3.7%*	*98.6%*	*81.5%*	*96.3%*	*98.3%*	*88.2%*

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District X FIVCO		1,669	1,550	9	5	21	1,356	1,345	1,559	1,554	1,372
			92.9%	*0.5%*	*0.3%*	*1.3%*	*81.2%*	*80.6%*	*93.4%*	*93.1%*	*82.2%*
District 10 Little Sandy	Carter	333	329	2	2	0	329	328	332	331	329
			98.8%	*0.6%*	*0.6%*	*0.0%*	*98.8%*	*98.5%*	*99.7%*	*99.4%*	*98.8%*
District 10 Little Sandy	Elliott	84	84	0	0	0	78	77	84	84	78
			100.0%	*0.0%*	*0.0%*	*0.0%*	*92.9%*	*91.7%*	*100.0%*	*100.0%*	*92.9%*
Independent	Boyd	572	550	6	1	15	447	443	556	554	457
			96.2%	*1.0%*	*0.2%*	*2.6%*	*78.1%*	*77.4%*	*97.2%*	*96.9%*	*79.9%*
Independent	Greenup	493	487	1	2	3	414	408	487	485	413
			98.8%	*0.2%*	*0.4%*	*0.6%*	*84.0%*	*82.8%*	*98.8%*	*98.4%*	*83.8%*
Independent	Lawrence	187	184	0	0	3	166	166	184	184	173
			98.4%	*0.0%*	*0.0%*	*1.6%*	*88.8%*	*88.8%*	*98.4%*	*98.4%*	*92.5%*

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District XI Big Sandy		1,863	1,833	10	1	19	1,554	1,555	1,845	1,845	1,670
			98.4%	*0.5%*	*0.1%*	*1.0%*	*83.4%*	*83.5%*	*99.0%*	*99.0%*	*89.6%*
Independent	Floyd	456	453	3	0	0	440	442	455	454	449
			99.3%	*0.7%*	*0.0%*	*0.0%*	*96.5%*	*96.9%*	*99.8%*	*99.6%*	*98.5%*
Independent	Johnson	318	312	0	0	6	258	259	312	314	270
			98.1%	*0.0%*	*0.0%*	*1.9%*	*81.1%*	*81.4%*	*98.1%*	*98.7%*	*84.9%*
Independent	Magoffin	156	153	0	0	3	79	77	154	153	92
			98.1%	*0.0%*	*0.0%*	*1.9%*	*50.6%*	*49.4%*	*98.7%*	*98.1%*	*59.0%*
Independent	Martin	158	148	4	0	6	154	154	156	158	148
			93.7%	*2.5%*	*0.0%*	*3.8%*	*97.5%*	*97.5%*	*98.7%*	*100.0%*	*93.7%*
Independent	Pike	775	767	3	1	4	623	623	768	766	711
			99.0%	*0.4%*	*0.1%*	*0.5%*	*80.4%*	*80.4%*	*99.1%*	*98.8%*	*91.7%*

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	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District XII Kentucky River		1,425	1,390	8	0	27	1,088	1,052	1,395	1,382	1,131
			97.5%	0.6%	0.0%	1.9%	76.4%	73.8%	97.9%	97.0%	79.4%
District 12 Kentucky River	Knott	186	178	2	0	6	144	141	179	177	146
			95.7%	1.1%	0.0%	3.2%	77.4%	75.8%	96.2%	95.2%	78.5%
District 12 Kentucky River	Lee	89	84	0	0	5	53	51	84	84	62
			94.4%	0.0%	0.0%	5.6%	59.6%	57.3%	94.4%	94.4%	69.7%
District 12 Kentucky River	Leslie	166	163	1	0	2	115	103	164	164	121
			98.2%	0.6%	0.0%	1.2%	69.3%	62.0%	98.8%	98.8%	72.9%
District 12 Kentucky River	Letcher	255	249	4	0	2	236	225	253	250	233
			97.6%	1.6%	0.0%	0.8%	92.5%	88.2%	99.2%	98.0%	91.4%
District 12 Kentucky River	Owsley	54	49	1	0	4	6	6	49	50	13
			90.7%	1.9%	0.0%	7.4%	11.1%	11.1%	90.7%	92.6%	24.1%
District 12 Kentucky River	Perry	390	387	0	0	3	354	353	387	386	362
			99.2%	0.0%	0.0%	0.8%	90.8%	90.5%	99.2%	99.0%	92.8%
District 12 Kentucky River	Wolfe	91	91	0	0	0	48	48	90	89	51
			100.0%	0.0%	0.0%	0.0%	52.7%	52.7%	98.9%	97.8%	56.0%
Independent	Breathitt	194	189	0	0	5	132	125	189	182	143
			97.4%	0.0%	0.0%	2.6%	68.0%	64.4%	97.4%	93.8%	73.7%

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			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District XIII Cumberland Valley		3,230	3,105	7	17	101	2,050	2,035	2,931	3,091	2,230
			96.1%	0.2%	0.5%	3.1%	63.5%	63.0%	90.7%	95.7%	69.0%
District 13 Cumberland Valley	Clay	288	281	0	0	7	227	220	278	279	245
			97.6%	0.0%	0.0%	2.4%	78.8%	76.4%	96.5%	96.9%	85.1%
District 13 Cumberland Valley	Jackson	164	162	0	2	0	159	158	162	162	160
			98.8%	0.0%	1.2%	0.0%	97.0%	96.3%	98.8%	98.8%	97.6%
District 13 Cumberland Valley	Rockcastle	210	208	1	1	0	207	209	210	210	208
			99.0%	0.5%	0.5%	0.0%	98.6%	99.5%	100.0%	100.0%	99.0%
Independent	Bell	380	352	0	0	28	114	108	349	347	177
			92.6%	0.0%	0.0%	7.4%	30.0%	28.4%	91.8%	91.3%	46.6%
Independent	Harlan	378	359	2	0	17	248	241	358	355	254
			95.0%	0.5%	0.0%	4.5%	65.6%	63.8%	94.7%	93.9%	67.2%
Independent	Knox	399	384	1	2	12	250	249	382	380	275
			96.2%	0.3%	0.5%	3.0%	62.7%	62.4%	95.7%	95.2%	68.9%
Independent	Laurel	797	759	2	6	30	389	388	589	756	426
			95.2%	0.3%	0.8%	3.8%	48.8%	48.7%	73.9%	94.9%	53.5%
Independent	Whitley	614	600	1	6	7	456	462	603	602	485
			97.7%	0.2%	1.0%	1.1%	74.3%	75.2%	98.2%	98.0%	79.0%

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			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District XIV Lake Cumberland		2,545	2,513	8	11	13	2,316	2,284	2,515	2,509	2,378
			98.7%	0.3%	0.4%	0.5%	91.0%	89.7%	98.8%	98.6%	93.4%
District 14 Lake Cumberland	Adair	218	212	3	1	2	203	195	214	212	199
			97.2%	1.4%	0.5%	0.9%	93.1%	89.4%	98.2%	97.2%	91.3%
District 14 Lake Cumberland	Casey	164	162	0	1	1	156	154	162	162	159
			98.8%	0.0%	0.6%	0.6%	95.1%	93.9%	98.8%	98.8%	97.0%
District 14 Lake Cumberland	Clinton	127	127	0	0	0	122	121	127	127	127
			100.0%	0.0%	0.0%	0.0%	96.1%	95.3%	100.0%	100.0%	100.0%
District 14 Lake Cumberland	Cumberland	76	76	0	0	0	47	43	75	76	76
			100.0%	0.0%	0.0%	0.0%	61.8%	56.6%	98.7%	100.0%	100.0%
District 14 Lake Cumberland	Green	122	119	0	2	1	118	117	119	117	119
			97.5%	0.0%	1.6%	0.8%	96.7%	95.9%	97.5%	95.9%	97.5%
District 14 Lake Cumberland	McCreary	209	208	0	1	0	201	188	209	208	200
			99.5%	0.0%	0.5%	0.0%	96.2%	90.0%	100.0%	99.5%	95.7%
District 14 Lake Cumberland	Pulaski	836	822	3	2	9	742	739	822	825	755
			98.3%	0.4%	0.2%	1.1%	88.8%	88.4%	98.3%	98.7%	90.3%
District 14 Lake Cumberland	Russell	213	212	0	1	0	209	209	212	212	209
			99.5%	0.0%	0.5%	0.0%	98.1%	98.1%	99.5%	99.5%	98.1%
District 14 Lake Cumberland	Taylor	315	311	1	3	0	253	253	310	305	269
			98.7%	0.3%	1.0%	0.0%	80.3%	80.3%	98.4%	96.8%	85.4%
District 14 Lake Cumberland	Wayne	265	264	1	0	0	265	265	265	265	265
			99.6%	0.4%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District XV Bluegrass		9,394	9,145	42	59	148	7,371	7,122	9,052	9,099	7,955
			97.3%	0.4%	0.6%	1.6%	78.5%	75.8%	96.4%	96.9%	84.7%
Bluegrass Capital Region Subtotal		3,058	2,935	12	21	90	2,440	2,337	2,869	2,924	2,494
			96.0%	0.4%	0.7%	2.9%	79.8%	76.4%	93.8%	95.6%	81.6%
District 15 WEDCO	Harrison	235	228	1	2	4	196	197	226	225	193
			97.0%	0.4%	0.9%	1.7%	83.4%	83.8%	96.2%	95.7%	82.1%
District 15 WEDCO	Nicholas	84	83	0	1	0	83	79	81	81	78
			98.8%	0.0%	1.2%	0.0%	98.8%	94.0%	96.4%	96.4%	92.9%
District 15 WEDCO	Scott	695	669	0	3	23	477	411	623	658	467
			96.3%	0.0%	0.4%	3.3%	68.6%	59.1%	89.6%	94.7%	67.2%
Independent	Anderson	296	285	7	3	1	286	261	286	286	274
			96.3%	2.4%	1.0%	0.3%	96.6%	88.2%	96.6%	96.6%	92.6%
Independent	Bourbon	233	233	0	0	0	195	194	229	232	198
			100.0%	0.0%	0.0%	0.0%	83.7%	83.3%	98.3%	99.6%	85.0%
Independent	Franklin	587	545	0	0	42	330	321	538	539	396
			92.8%	0.0%	0.0%	7.2%	56.2%	54.7%	91.7%	91.8%	67.5%
Independent	Jessamine	571	537	3	11	20	528	531	532	548	540
			94.0%	0.5%	1.9%	3.5%	92.5%	93.0%	93.2%	96.0%	94.6%
Independent	Woodford	357	355	1	1	0	345	343	354	355	348
			99.4%	0.3%	0.3%	0.0%	96.6%	96.1%	99.2%	99.4%	97.5%

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
District XV Bluegrass		9,394	9,145	42	59	148	7,371	7,122	9,052	9,099	7,955
			97.3%	0.4%	0.6%	1.6%	78.5%	75.8%	96.4%	96.9%	84.7%
Bluegrass South Region Subtotal		2,851	2,793	12	21	25	2,353	2,271	2,796	2,786	2,437
			98.0%	0.4%	0.7%	0.9%	82.5%	79.7%	98.1%	97.7%	85.5%
Independent	Boyle	368	360	0	4	4	357	281	351	361	302
			97.8%	0.0%	1.1%	1.1%	97.0%	76.4%	95.4%	98.1%	82.1%
Independent	Clark	444	434	1	0	9	276	277	433	418	326
			97.7%	0.2%	0.0%	2.0%	62.2%	62.4%	97.5%	94.1%	73.4%
Independent	Estill	176	172	0	2	2	137	135	172	169	149
			97.7%	0.0%	1.1%	1.1%	77.8%	76.7%	97.7%	96.0%	84.7%
Independent	Garrard	213	208	2	0	3	173	170	212	207	179
			97.7%	0.9%	0.0%	1.4%	81.2%	79.8%	99.5%	97.2%	84.0%
Independent	Lincoln	284	282	0	2	0	251	250	282	282	244
			99.3%	0.0%	0.7%	0.0%	88.4%	88.0%	99.3%	99.3%	85.9%
Independent	Madison	944	918	8	12	6	847	843	929	930	875
			97.2%	0.8%	1.3%	0.6%	89.7%	89.3%	98.4%	98.5%	92.7%
Independent	Mercer	252	252	0	0	0	248	251	250	252	251
			100.0%	0.0%	0.0%	0.0%	98.4%	99.6%	99.2%	100.0%	99.6%
Independent	Powell	170	167	1	1	1	64	64	167	167	111
			98.2%	0.6%	0.6%	0.6%	37.6%	37.6%	98.2%	98.2%	65.3%

2014-2015 Annual School Immunization Survey--Sixth Grade Results, by ADD

	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3 HepB	2 MMR	2 VAR
	Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
			97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
District XV Bluegrass		9,394	9,145	42	59	148	7,371	7,122	9,052	9,099	7,955
			97.3%	*0.4%*	*0.6%*	*1.6%*	*78.5%*	*75.8%*	*96.4%*	*96.9%*	*84.7%*
Lexington-Fayette Region Subtotal		3,485	3,417	18	17	33	2,578	2,514	3,387	3,389	3,024
			98.0%	*0.5%*	*0.5%*	*0.9%*	*74.0%*	*72.1%*	*97.2%*	*97.2%*	*86.8%*
Independent	Fayette	3,485	3,417	18	17	33	2,578	2,514	3,387	3,389	3,024
			98.0%	*0.5%*	*0.5%*	*0.9%*	*74.0%*	*72.1%*	*97.2%*	*97.2%*	*86.8%*

APPENDIX D

Immunization Profiles For All Schools, By County

KINDERGARTEN D-1
SIXTH GRADE D-2

Appendix D: County Profiles

Each of these age-specific reports for both Kindergarten (Appendix D-1) and Sixth Grade (Appendix D-2) provides the aggregate totals of immunization certificate types (i.e., Current, Medical or Religious Exemptions, and Missing) and age appropriate immunizations reported for each county.

This report lists the county totals/coverage rates, with coverage rates (percentage) for each certificate type, and age-appropriate vaccinations. Children having the minimum number of doses for each immunization, as reported by each school, were considered compliant.

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases. The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures are assessed in school, as follows:

Kindergarten:

- Greater than 95% for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade:

- Greater than 95% for 3+HepB and 2 MMR,
- Greater than 90% for 2 Varicella, and
- Greater than 80% for 1 Tdap and 1 MCV

If any of the age-appropriate HP 2020 target measures were not met at a school, the cell in the corresponding vaccine (COLUMN) for a given school (ROW) has been highlighted red .

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
		95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
Adair	201	201	0	0	0	192	201	200	198	197
		100.0%	*0.0%*	*0.0%*	*0.0%*	*95.5%*	*100.0%*	*99.5%*	*98.5%*	*98.0%*
Allen	250	248	0	0	2	246	248	249	249	247
		99.2%	*0.0%*	*0.0%*	*0.8%*	*98.4%*	*99.2%*	*99.6%*	*99.6%*	*98.8%*
Anderson	288	278	0	4	6	280	276	278	272	269
		96.5%	*0.0%*	*1.4%*	*2.1%*	*97.2%*	*95.8%*	*96.5%*	*94.4%*	*93.4%*
Ballard	92	92	0	0	0	90	91	92	90	90
		100.0%	*0.0%*	*0.0%*	*0.0%*	*97.8%*	*98.9%*	*100.0%*	*97.8%*	*97.8%*
Barren	651	632	3	5	11	628	630	632	621	620
		97.1%	*0.5%*	*0.8%*	*1.7%*	*96.5%*	*96.8%*	*97.1%*	*95.4%*	*95.2%*
Bath	173	160	0	0	13	160	160	155	149	151
		92.5%	*0.0%*	*0.0%*	*7.5%*	*92.5%*	*92.5%*	*89.6%*	*86.1%*	*87.3%*
Bell	386	349	2	0	35	349	349	349	324	327
		90.4%	*0.5%*	*0.0%*	*9.1%*	*90.4%*	*90.4%*	*90.4%*	*83.9%*	*84.7%*
Boone	1,780	1,742	5	28	5	1,734	1,743	1,742	1,737	1,727
		97.9%	*0.3%*	*1.6%*	*0.3%*	*97.4%*	*97.9%*	*97.9%*	*97.6%*	*97.0%*
Bourbon	266	261	0	1	4	261	261	261	256	259
		98.1%	*0.0%*	*0.4%*	*1.5%*	*98.1%*	*98.1%*	*98.1%*	*96.2%*	*97.4%*
Boyd	574	547	2	0	25	539	546	539	524	518
		95.3%	*0.3%*	*0.0%*	*4.4%*	*93.9%*	*95.1%*	*93.9%*	*91.3%*	*90.2%*
Boyle	339	312	0	0	27	310	311	308	309	303
		92.0%	*0.0%*	*0.0%*	*8.0%*	*91.4%*	*91.7%*	*90.9%*	*91.2%*	*89.4%*
Bracken	136	123	1	0	12	129	125	129	125	122
		90.4%	*0.7%*	*0.0%*	*8.8%*	*94.9%*	*91.9%*	*94.9%*	*91.9%*	*89.7%*
Breathitt	169	153	0	0	16	144	144	152	131	132
		90.5%	*0.0%*	*0.0%*	*9.5%*	*85.2%*	*85.2%*	*89.9%*	*77.5%*	*78.1%*
Breckinridge	258	244	2	2	10	245	245	243	239	236
		94.6%	*0.8%*	*0.8%*	*3.9%*	*95.0%*	*95.0%*	*94.2%*	*92.6%*	*91.5%*
Bullitt	990	947	2	3	38	940	941	938	923	924
		95.7%	*0.2%*	*0.3%*	*3.8%*	*94.9%*	*95.1%*	*94.7%*	*93.2%*	*93.3%*
Butler	176	167	0	1	8	166	167	163	158	156
		94.9%	*0.0%*	*0.6%*	*4.5%*	*94.3%*	*94.9%*	*92.6%*	*89.8%*	*88.6%*
Caldwell	144	139	0	2	3	139	139	136	139	134
		96.5%	*0.0%*	*1.4%*	*2.1%*	*96.5%*	*96.5%*	*94.4%*	*96.5%*	*93.1%*
Calloway	415	403	2	9	1	405	406	406	404	402
		97.1%	*0.5%*	*2.2%*	*0.2%*	*97.6%*	*97.8%*	*97.8%*	*97.3%*	*96.9%*
Campbell	976	952	4	9	11	948	949	955	949	947
		97.5%	*0.4%*	*0.9%*	*1.1%*	*97.1%*	*97.2%*	*97.8%*	*97.2%*	*97.0%*
Carlisle	67	62	0	3	2	61	61	60	59	58
		92.5%	*0.0%*	*4.5%*	*3.0%*	*91.0%*	*91.0%*	*89.6%*	*88.1%*	*86.6%*

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
		95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
Carroll	190	173	0	0	17	165	164	171	162	156
		91.1%	*0.0%*	*0.0%*	*8.9%*	*86.8%*	*86.3%*	*90.0%*	*85.3%*	*82.1%*
Carter	347	337	2	0	8	335	338	337	323	320
		97.1%	*0.6%*	*0.0%*	*2.3%*	*96.5%*	*97.4%*	*97.1%*	*93.1%*	*92.2%*
Casey	184	168	0	2	14	168	168	167	164	167
		91.3%	*0.0%*	*1.1%*	*7.6%*	*91.3%*	*91.3%*	*90.8%*	*89.1%*	*90.8%*
Christian	831	784	1	1	45	777	782	779	764	757
		94.3%	*0.1%*	*0.1%*	*5.4%*	*93.5%*	*94.1%*	*93.7%*	*91.9%*	*91.1%*
Clark	466	437	0	1	28	434	432	433	423	420
		93.8%	*0.0%*	*0.2%*	*6.0%*	*93.1%*	*92.7%*	*92.9%*	*90.8%*	*90.1%*
Clay	338	318	0	0	20	318	317	310	309	308
		94.1%	*0.0%*	*0.0%*	*5.9%*	*94.1%*	*93.8%*	*91.7%*	*91.4%*	*91.1%*
Clinton	150	148	0	2	0	144	148	148	147	148
		98.7%	*0.0%*	*1.3%*	*0.0%*	*96.0%*	*98.7%*	*98.7%*	*98.0%*	*98.7%*
Crittenden	104	94	0	0	10	93	93	92	91	91
		90.4%	*0.0%*	*0.0%*	*9.6%*	*89.4%*	*89.4%*	*88.5%*	*87.5%*	*87.5%*
Cumberland	78	76	1	0	1	77	77	77	76	76
		97.4%	*1.3%*	*0.0%*	*1.3%*	*98.7%*	*98.7%*	*98.7%*	*97.4%*	*97.4%*
Daviess	1313	1232	2	1	78	1228	1231	1222	1198	1174
		93.8%	*0.2%*	*0.1%*	*5.9%*	*93.5%*	*93.8%*	*93.1%*	*91.2%*	*89.4%*
Edmonson	148	147	0	0	1	147	148	145	147	147
		99.3%	*0.0%*	*0.0%*	*0.7%*	*99.3%*	*100.0%*	*98.0%*	*99.3%*	*99.3%*
Elliott	99	94	0	0	5	94	94	92	93	93
		94.9%	*0.0%*	*0.0%*	*5.1%*	*94.9%*	*94.9%*	*92.9%*	*93.9%*	*93.9%*
Estill	156	138	0	0	18	138	138	136	128	127
		88.5%	*0.0%*	*0.0%*	*11.5%*	*88.5%*	*88.5%*	*87.2%*	*82.1%*	*81.4%*
Fayette	3,808	3,705	9	31	63	3,669	3,649	3,568	3,607	3,587
		97.3%	*0.2%*	*0.8%*	*1.7%*	*96.3%*	*95.8%*	*93.7%*	*94.7%*	*94.2%*
Fleming	199	198	1	0	0	197	197	198	196	196
		99.5%	*0.5%*	*0.0%*	*0.0%*	*99.0%*	*99.0%*	*99.5%*	*98.5%*	*98.5%*
Floyd	573	569	1	0	3	567	566	569	563	563
		99.3%	*0.2%*	*0.0%*	*0.5%*	*99.0%*	*98.8%*	*99.3%*	*98.3%*	*98.3%*
Franklin	653	576	0	3	74	566	568	565	450	409
		88.2%	*0.0%*	*0.5%*	*11.3%*	*86.7%*	*87.0%*	*86.5%*	*68.9%*	*62.6%*
Fulton	87	87	0	0	0	86	86	87	86	85
		100.0%	*0.0%*	*0.0%*	*0.0%*	*98.9%*	*98.9%*	*100.0%*	*98.9%*	*97.7%*
Gallatin	118	111	0	0	7	100	105	108	101	102
		94.1%	*0.0%*	*0.0%*	*5.9%*	*84.7%*	*89.0%*	*91.5%*	*85.6%*	*86.4%*
Garrard	201	188	2	1	10	178	181	186	173	178
		93.5%	*1.0%*	*0.5%*	*5.0%*	*88.6%*	*90.0%*	*92.5%*	*86.1%*	*88.6%*

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
		95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
Grant	375	364	1	2	8	358	365	360	357	355
		97.1%	*0.3%*	*0.5%*	*2.1%*	*95.5%*	*97.3%*	*96.0%*	*95.2%*	*94.7%*
Graves	532	516	4	6	6	515	515	512	508	505
		97.0%	*0.8%*	*1.1%*	*1.1%*	*96.8%*	*96.8%*	*96.2%*	*95.5%*	*94.9%*
Grayson	301	300	0	0	1	300	300	298	298	298
		99.7%	*0.0%*	*0.0%*	*0.3%*	*99.7%*	*99.7%*	*99.0%*	*99.0%*	*99.0%*
Green	153	146	2	1	4	145	145	143	145	144
		95.4%	*1.3%*	*0.7%*	*2.6%*	*94.8%*	*94.8%*	*93.5%*	*94.8%*	*94.1%*
Greenup	495	485	1	3	6	481	485	480	473	469
		98.0%	*0.2%*	*0.6%*	*1.2%*	*97.2%*	*98.0%*	*97.0%*	*95.6%*	*94.7%*
Hancock	102	102	0	0	0	101	102	102	101	102
		100.0%	*0.0%*	*0.0%*	*0.0%*	*99.0%*	*100.0%*	*100.0%*	*99.0%*	*100.0%*
Hardin	992	892	2	8	90	880	885	874	852	849
		89.9%	*0.2%*	*0.8%*	*9.1%*	*88.7%*	*89.2%*	*88.1%*	*85.9%*	*85.6%*
Harlan	370	310	0	0	60	304	308	307	292	292
		83.8%	*0.0%*	*0.0%*	*16.2%*	*82.2%*	*83.2%*	*83.0%*	*78.9%*	*78.9%*
Harrison	235	209	0	0	26	206	208	207	193	200
		88.9%	*0.0%*	*0.0%*	*11.1%*	*87.7%*	*88.5%*	*88.1%*	*82.1%*	*85.1%*
Hart	186	186	0	0	0	182	185	183	182	180
		100.0%	*0.0%*	*0.0%*	*0.0%*	*97.8%*	*99.5%*	*98.4%*	*97.8%*	*96.8%*
Henderson	627	618	1	1	7	613	616	613	611	611
		98.6%	*0.2%*	*0.2%*	*1.1%*	*97.8%*	*98.2%*	*97.8%*	*97.4%*	*97.4%*
Henry	203	199	0	2	2	199	199	199	198	198
		98.0%	*0.0%*	*1.0%*	*1.0%*	*98.0%*	*98.0%*	*98.0%*	*97.5%*	*97.5%*
Hickman	52	51	0	0	1	52	52	52	50	48
		98.1%	*0.0%*	*0.0%*	*1.9%*	*100.0%*	*100.0%*	*100.0%*	*96.2%*	*92.3%*
Hopkins	604	592	1	6	5	588	593	594	588	587
		98.0%	*0.2%*	*1.0%*	*0.8%*	*97.4%*	*98.2%*	*98.3%*	*97.4%*	*97.2%*
Jackson	193	190	0	3	0	189	188	187	189	188
		98.4%	*0.0%*	*1.6%*	*0.0%*	*97.9%*	*97.4%*	*96.9%*	*97.9%*	*97.4%*
Jefferson	9,758	9,268	14	64	412	9,179	9,227	9,148	9,037	8,965
		95.0%	*0.1%*	*0.7%*	*4.2%*	*94.1%*	*94.6%*	*93.7%*	*92.6%*	*91.9%*
Jessamine	628	604	0	12	12	573	593	575	585	575
		96.2%	*0.0%*	*1.9%*	*1.9%*	*91.2%*	*94.4%*	*91.6%*	*93.2%*	*91.6%*
Johnson	320	276	1	1	42	273	267	274	267	266
		86.3%	*0.3%*	*0.3%*	*13.1%*	*85.3%*	*83.4%*	*85.6%*	*83.4%*	*83.1%*
Kenton	2,358	2,314	5	24	15	2,294	2,294	2,303	2,271	2,260
		98.1%	*0.2%*	*1.0%*	*0.6%*	*97.3%*	*97.3%*	*97.7%*	*96.3%*	*95.8%*
Knott	218	200	0	2	16	200	200	198	199	197
		91.7%	*0.0%*	*0.9%*	*7.3%*	*91.7%*	*91.7%*	*90.8%*	*91.3%*	*90.4%*

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
		95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
Knox	438	361	1	2	74	356	358	346	347	345
		82.4%	*0.2%*	*0.5%*	*16.9%*	*81.3%*	*81.7%*	*79.0%*	*79.2%*	*78.8%*
Larue	171	155	0	0	16	149	150	149	147	146
		90.6%	*0.0%*	*0.0%*	*9.4%*	*87.1%*	*87.7%*	*87.1%*	*86.0%*	*85.4%*
Laurel	814	711	2	2	99	705	712	688	690	685
		87.3%	*0.2%*	*0.2%*	*12.2%*	*86.6%*	*87.5%*	*84.5%*	*84.8%*	*84.2%*
Lawrence	249	245	0	0	4	240	244	245	237	237
		98.4%	*0.0%*	*0.0%*	*1.6%*	*96.4%*	*98.0%*	*98.4%*	*95.2%*	*95.2%*
Lee	86	81	0	0	5	79	80	79	79	79
		94.2%	*0.0%*	*0.0%*	*5.8%*	*91.9%*	*93.0%*	*91.9%*	*91.9%*	*91.9%*
Leslie	148	145	0	0	3	141	144	144	137	139
		98.0%	*0.0%*	*0.0%*	*2.0%*	*95.3%*	*97.3%*	*97.3%*	*92.6%*	*93.9%*
Letcher	296	286	3	1	6	287	288	288	286	285
		96.6%	*1.0%*	*0.3%*	*2.0%*	*97.0%*	*97.3%*	*97.3%*	*96.6%*	*96.3%*
Lewis	191	189	0	1	1	188	189	189	185	184
		99.0%	*0.0%*	*0.5%*	*0.5%*	*98.4%*	*99.0%*	*99.0%*	*96.9%*	*96.3%*
Lincoln	312	306	3	2	1	304	306	305	301	301
		98.1%	*1.0%*	*0.6%*	*0.3%*	*97.4%*	*98.1%*	*97.8%*	*96.5%*	*96.5%*
Livingston	97	85	0	0	12	85	85	84	80	77
		87.6%	*0.0%*	*0.0%*	*12.4%*	*87.6%*	*87.6%*	*86.6%*	*82.5%*	*79.4%*
Logan	311	271	1	3	36	262	264	268	261	257
		87.1%	*0.3%*	*1.0%*	*11.6%*	*84.2%*	*84.9%*	*86.2%*	*83.9%*	*82.6%*
Lyon	74	73	0	0	1	73	73	70	70	69
		98.6%	*0.0%*	*0.0%*	*1.4%*	*98.6%*	*98.6%*	*94.6%*	*94.6%*	*93.2%*
Madison	1,053	1,034	1	8	10	1,026	1,026	1,024	1,007	1,000
		98.2%	*0.1%*	*0.8%*	*0.9%*	*97.4%*	*97.4%*	*97.2%*	*95.6%*	*95.0%*
Magoffin	173	156	1	1	15	157	159	159	149	148
		90.2%	*0.6%*	*0.6%*	*8.7%*	*90.8%*	*91.9%*	*91.9%*	*86.1%*	*85.5%*
Marion	285	280	1	4	0	281	281	281	275	281
		98.2%	*0.4%*	*1.4%*	*0.0%*	*98.6%*	*98.6%*	*98.6%*	*96.5%*	*98.6%*
Marshall	407	375	1	2	29	382	382	382	379	381
		92.1%	*0.2%*	*0.5%*	*7.1%*	*93.9%*	*93.9%*	*93.9%*	*93.1%*	*93.6%*
Martin	165	162	2	0	1	164	164	164	162	164
		98.2%	*1.2%*	*0.0%*	*0.6%*	*99.4%*	*99.4%*	*99.4%*	*98.2%*	*99.4%*
Mason	219	193	0	0	26	193	193	189	172	171
		88.1%	*0.0%*	*0.0%*	*11.9%*	*88.1%*	*88.1%*	*86.3%*	*78.5%*	*78.1%*
McCracken	672	642	0	7	23	635	633	634	606	609
		95.5%	*0.0%*	*1.0%*	*3.4%*	*94.5%*	*94.2%*	*94.3%*	*90.2%*	*90.6%*
McCreary	210	208	0	1	1	207	207	208	202	203
		99.0%	*0.0%*	*0.5%*	*0.5%*	*98.6%*	*98.6%*	*99.0%*	*96.2%*	*96.7%*

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572	113	369	2,184	53,083	53,240	52,948	52,151	51,898
		95.3%	*0.2%*	*0.7%*	*3.9%*	*94.4%*	*94.7%*	*94.1%*	*92.7%*	*92.3%*
McLean	119	116	0	3	0	115	116	115	112	113
		97.5%	*0.0%*	*2.5%*	*0.0%*	*96.6%*	*97.5%*	*96.6%*	*94.1%*	*95.0%*
Meade	350	348	0	2	0	347	347	347	348	348
		99.4%	*0.0%*	*0.6%*	*0.0%*	*99.1%*	*99.1%*	*99.1%*	*99.4%*	*99.4%*
Menifee	81	81	0	0	0	81	81	81	81	81
		100.0%	*0.0%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*
Mercer	275	273	0	1	1	274	273	273	272	274
		99.3%	*0.0%*	*0.4%*	*0.4%*	*99.6%*	*99.3%*	*99.3%*	*98.9%*	*99.6%*
Metcalfe	135	121	0	1	13	121	121	121	121	115
		89.6%	*0.0%*	*0.7%*	*9.6%*	*89.6%*	*89.6%*	*89.6%*	*89.6%*	*85.2%*
Monroe	153	143	0	0	10	143	142	142	142	142
		93.5%	*0.0%*	*0.0%*	*6.5%*	*93.5%*	*92.8%*	*92.8%*	*92.8%*	*92.8%*
Montgomery	422	385	1	3	33	362	363	372	359	359
		91.2%	*0.2%*	*0.7%*	*7.8%*	*85.8%*	*86.0%*	*88.2%*	*85.1%*	*85.1%*
Morgan	158	155	0	0	3	155	155	155	151	150
		98.1%	*0.0%*	*0.0%*	*1.9%*	*98.1%*	*98.1%*	*98.1%*	*95.6%*	*94.9%*
Muhlenberg	355	329	0	3	23	329	328	322	321	318
		92.7%	*0.0%*	*0.8%*	*6.5%*	*92.7%*	*92.4%*	*90.7%*	*90.4%*	*89.6%*
Nelson	568	479	2	1	86	482	486	484	466	465
		84.3%	*0.4%*	*0.2%*	*15.1%*	*84.9%*	*85.6%*	*85.2%*	*82.0%*	*81.9%*
Nicholas	95	95	0	0	0	92	94	93	90	90
		100.0%	*0.0%*	*0.0%*	*0.0%*	*96.8%*	*98.9%*	*97.9%*	*94.7%*	*94.7%*
Ohio	335	302	0	2	31	296	298	298	286	286
		90.1%	*0.0%*	*0.6%*	*9.3%*	*88.4%*	*89.0%*	*89.0%*	*85.4%*	*85.4%*
Oldham	816	798	5	12	1	799	799	793	792	790
		97.8%	*0.6%*	*1.5%*	*0.1%*	*97.9%*	*97.9%*	*97.2%*	*97.1%*	*96.8%*
Owen	135	132	1	1	1	129	130	129	131	129
		97.8%	*0.7%*	*0.7%*	*0.7%*	*95.6%*	*96.3%*	*95.6%*	*97.0%*	*95.6%*
Owsley	65	62	1	0	2	63	61	63	56	62
		95.4%	*1.5%*	*0.0%*	*3.1%*	*96.9%*	*93.8%*	*96.9%*	*86.2%*	*95.4%*
Pendleton	182	180	0	2	0	179	179	180	176	175
		98.9%	*0.0%*	*1.1%*	*0.0%*	*98.4%*	*98.4%*	*98.9%*	*96.7%*	*96.2%*
Perry	401	384	2	0	15	380	383	379	370	377
		95.8%	*0.5%*	*0.0%*	*3.7%*	*94.8%*	*95.5%*	*94.5%*	*92.3%*	*94.0%*
Pike	796	792	0	0	4	784	789	787	780	778
		99.5%	*0.0%*	*0.0%*	*0.5%*	*98.5%*	*99.1%*	*98.9%*	*98.0%*	*97.7%*
Powell	176	157	0	0	19	157	157	155	152	152
		89.2%	*0.0%*	*0.0%*	*10.8%*	*89.2%*	*89.2%*	*88.1%*	*86.4%*	*86.4%*
Pulaski	831	817	3	7	4	818	821	819	811	806
		98.3%	*0.4%*	*0.8%*	*0.5%*	*98.4%*	*98.8%*	*98.6%*	*97.6%*	*97.0%*

2014-2015 Annual School Immunization Survey--Kindergarten Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR
Kentucky (Total)	56,238	53,572 *95.3%*	113 *0.2%*	369 *0.7%*	2,184 *3.9%*	53,083 *94.4%*	53,240 *94.7%*	52,948 *94.1%*	52,151 *92.7%*	51,898 *92.3%*
Robertson	19	19 *100.0%*	0 *0.0%*	0 *0.0%*	0 *0.0%*	19 *100.0%*	19 *100.0%*	18 *94.7%*	19 *100.0%*	19 *100.0%*
Rockcastle	213	208 *97.7%*	0 *0.0%*	2 *0.9%*	3 *1.4%*	206 *96.7%*	207 *97.2%*	207 *97.2%*	204 *95.8%*	204 *95.8%*
Rowan	280	264 *94.3%*	0 *0.0%*	1 *0.4%*	15 *5.4%*	261 *93.2%*	263 *93.9%*	265 *94.6%*	254 *90.7%*	253 *90.4%*
Russell	272	270 *99.3%*	1 *0.4%*	1 *0.4%*	0 *0.0%*	271 *99.6%*	271 *99.6%*	270 *99.3%*	269 *98.9%*	267 *98.2%*
Scott	733	655 *89.4%*	2 *0.3%*	9 *1.2%*	67 *9.1%*	651 *88.8%*	654 *89.2%*	636 *86.8%*	633 *86.4%*	653 *89.1%*
Shelby	547	523 *95.6%*	0 *0.0%*	2 *0.4%*	22 *4.0%*	516 *94.3%*	515 *94.1%*	513 *93.8%*	506 *92.5%*	497 *90.9%*
Simpson	213	211 *99.1%*	1 *0.5%*	1 *0.5%*	0 *0.0%*	210 *98.6%*	211 *99.1%*	210 *98.6%*	206 *96.7%*	208 *97.7%*
Spencer	195	192 *98.5%*	0 *0.0%*	2 *1.0%*	1 *0.5%*	193 *99.0%*	193 *99.0%*	193 *99.0%*	191 *97.9%*	192 *98.5%*
Taylor	327	319 *97.6%*	0 *0.0%*	2 *0.6%*	6 *1.8%*	302 *92.4%*	281 *85.9%*	315 *96.3%*	312 *95.4%*	317 *96.9%*
Todd	149	114 *76.5%*	1 *0.7%*	0 *0.0%*	34 *22.8%*	113 *75.8%*	114 *76.5%*	110 *73.8%*	107 *71.8%*	106 *71.1%*
Trigg	142	132 *93.0%*	0 *0.0%*	1 *0.7%*	9 *6.3%*	131 *92.3%*	132 *93.0%*	130 *91.5%*	131 *92.3%*	130 *91.5%*
Trimble	124	115 *92.7%*	0 *0.0%*	0 *0.0%*	9 *7.3%*	113 *91.1%*	115 *92.7%*	114 *91.9%*	106 *85.5%*	105 *84.7%*
Union	184	183 *99.5%*	0 *0.0%*	1 *0.5%*	0 *0.0%*	183 *99.5%*	184 *100.0%*	181 *98.4%*	183 *99.5%*	183 *99.5%*
Warren	1361	1324 *97.3%*	1 *0.1%*	15 *1.1%*	21 *1.5%*	1300 *95.5%*	1298 *95.4%*	1283 *94.3%*	1296 *95.2%*	1290 *94.8%*
Washington	179	170 *95.0%*	0 *0.0%*	0 *0.0%*	9 *5.0%*	169 *94.4%*	169 *94.4%*	169 *94.4%*	167 *93.3%*	165 *92.2%*
Wayne	234	231 *98.7%*	1 *0.4%*	2 *0.9%*	0 *0.0%*	232 *99.1%*	232 *99.1%*	232 *99.1%*	232 *99.1%*	232 *99.1%*
Webster	184	165 *89.7%*	0 *0.0%*	1 *0.5%*	18 *9.8%*	164 *89.1%*	165 *89.7%*	164 *89.1%*	160 *87.0%*	159 *86.4%*
Whitley	569	553 *97.2%*	0 *0.0%*	6 *1.1%*	10 *1.8%*	548 *96.3%*	551 *96.8%*	551 *96.8%*	538 *94.6%*	542 *95.3%*
Wolfe	97	91 *93.8%*	0 *0.0%*	0 *0.0%*	6 *6.2%*	89 *91.8%*	90 *92.8%*	89 *91.8%*	89 *91.8%*	90 *92.8%*
Woodford	321	312 *97.2%*	1 *0.3%*	7 *2.2%*	1 *0.3%*	313 *97.5%*	313 *97.5%*	308 *96.0%*	306 *95.3%*	303 *94.4%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	Tdap	MCV	3 HepB	2 MMR	2 VAR
Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
		97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
Adair	218	212	3	1	2	203	195	214	212	199
		97.2%	*1.4%*	*0.5%*	*0.9%*	*93.1%*	*89.4%*	*98.2%*	*97.2%*	*91.3%*
Allen	239	235	1	0	3	232	214	233	235	225
		98.3%	*0.4%*	*0.0%*	*1.3%*	*97.1%*	*89.5%*	*97.5%*	*98.3%*	*94.1%*
Anderson	296	285	7	3	1	286	261	286	286	274
		96.3%	*2.4%*	*1.0%*	*0.3%*	*96.6%*	*88.2%*	*96.6%*	*96.6%*	*92.6%*
Ballard	105	104	0	1	0	103	102	105	105	102
		99.0%	*0.0%*	*1.0%*	*0.0%*	*98.1%*	*97.1%*	*100.0%*	*100.0%*	*97.1%*
Barren	518	510	2	3	3	426	425	471	472	459
		98.5%	*0.4%*	*0.6%*	*0.6%*	*82.2%*	*82.0%*	*90.9%*	*91.1%*	*88.6%*
Bath	158	154	0	0	4	93	93	155	155	155
		97.5%	*0.0%*	*0.0%*	*2.5%*	*58.9%*	*58.9%*	*98.1%*	*98.1%*	*98.1%*
Bell	380	352	0	0	28	114	108	349	347	177
		92.6%	*0.0%*	*0.0%*	*7.4%*	*30.0%*	*28.4%*	*91.8%*	*91.3%*	*46.6%*
Boone	1,911	1,878	8	20	5	1,831	1,818	1,886	1,883	1,841
		98.3%	*0.4%*	*1.0%*	*0.3%*	*95.8%*	*95.1%*	*98.7%*	*98.5%*	*96.3%*
Bourbon	233	233	0	0	0	195	194	229	232	198
		100.0%	*0.0%*	*0.0%*	*0.0%*	*83.7%*	*83.3%*	*98.3%*	*99.6%*	*85.0%*
Boyd	572	550	6	1	15	447	443	556	554	457
		96.2%	*1.0%*	*0.2%*	*2.6%*	*78.1%*	*77.4%*	*97.2%*	*96.9%*	*79.9%*
Boyle	368	360	0	4	4	357	281	351	361	302
		97.8%	*0.0%*	*1.1%*	*1.1%*	*97.0%*	*76.4%*	*95.4%*	*98.1%*	*82.1%*
Bracken	125	120	1	0	4	107	103	122	113	110
		96.0%	*0.8%*	*0.0%*	*3.2%*	*85.6%*	*82.4%*	*97.6%*	*90.4%*	*88.0%*
Breathitt	194	189	0	0	5	132	125	189	182	143
		97.4%	*0.0%*	*0.0%*	*2.6%*	*68.0%*	*64.4%*	*97.4%*	*93.8%*	*73.7%*
Breckinridge	261	257	1	3	0	249	247	259	255	249
		98.5%	*0.4%*	*1.1%*	*0.0%*	*95.4%*	*94.6%*	*99.2%*	*97.7%*	*95.4%*
Bullitt	1,079	1,064	2	5	8	852	836	1,062	1,062	950
		98.6%	*0.2%*	*0.5%*	*0.7%*	*79.0%*	*77.5%*	*98.4%*	*98.4%*	*88.0%*
Butler	159	155	1	0	3	95	92	155	154	112
		97.5%	*0.6%*	*0.0%*	*1.9%*	*59.7%*	*57.9%*	*97.5%*	*96.9%*	*70.4%*
Caldwell	152	152	0	0	0	143	140	150	150	131
		100.0%	*0.0%*	*0.0%*	*0.0%*	*94.1%*	*92.1%*	*98.7%*	*98.7%*	*86.2%*
Calloway	382	367	2	7	6	360	359	367	367	363
		96.1%	*0.5%*	*1.8%*	*1.6%*	*94.2%*	*94.0%*	*96.1%*	*96.1%*	*95.0%*
Campbell	1,026	1,006	6	5	9	971	967	1,015	1,013	986
		98.1%	*0.6%*	*0.5%*	*0.9%*	*94.6%*	*94.2%*	*98.9%*	*98.7%*	*96.1%*
Carlisle	58	55	0	1	2	55	55	56	56	52
		94.8%	*0.0%*	*1.7%*	*3.4%*	*94.8%*	*94.8%*	*96.6%*	*96.6%*	*89.7%*

2014-2015 Annual School Immunization Survey--Sixth Grade Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	Tdap	MCV	3 HepB	2 MMR	2 VAR
Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
		97.7%	0.4%	0.5%	1.4%	84.5%	83.1%	97.4%	97.7%	88.8%
Carroll	139	119	0	0	20	97	97	133	131	105
		85.6%	0.0%	0.0%	14.4%	69.8%	69.8%	95.7%	94.2%	75.5%
Carter	333	329	2	2	0	329	328	332	331	329
		98.8%	0.6%	0.6%	0.0%	98.8%	98.5%	99.7%	99.4%	98.8%
Casey	164	162	0	1	1	156	154	162	162	159
		98.8%	0.0%	0.6%	0.6%	95.1%	93.9%	98.8%	98.8%	97.0%
Christian	778	762	0	1	15	583	566	771	763	674
		97.9%	0.0%	0.1%	1.9%	74.9%	72.8%	99.1%	98.1%	86.6%
Clark	444	434	1	0	9	276	277	433	418	326
		97.7%	0.2%	0.0%	2.0%	62.2%	62.4%	97.5%	94.1%	73.4%
Clay	288	281	0	0	7	227	220	278	279	245
		97.6%	0.0%	0.0%	2.4%	78.8%	76.4%	96.5%	96.9%	85.1%
Clinton	127	127	0	0	0	122	121	127	127	127
		100.0%	0.0%	0.0%	0.0%	96.1%	95.3%	100.0%	100.0%	100.0%
Crittenden	106	102	0	0	4	99	102	105	106	102
		96.2%	0.0%	0.0%	3.8%	93.4%	96.2%	99.1%	100.0%	96.2%
Cumberland	76	76	0	0	0	47	43	75	76	76
		100.0%	0.0%	0.0%	0.0%	61.8%	56.6%	98.7%	100.0%	100.0%
Daviess	1,263	1,238	4	4	17	1,175	1,164	1,251	1,250	1,179
		98.0%	0.3%	0.3%	1.3%	93.0%	92.2%	99.0%	99.0%	93.3%
Edmonson	135	134	0	0	1	101	100	133	133	114
		99.3%	0.0%	0.0%	0.7%	74.8%	74.1%	98.5%	98.5%	84.4%
Elliott	84	84	0	0	0	78	77	84	84	78
		100.0%	0.0%	0.0%	0.0%	92.9%	91.7%	100.0%	100.0%	92.9%
Estill	176	172	0	2	2	137	135	172	169	149
		97.7%	0.0%	1.1%	1.1%	77.8%	76.7%	97.7%	96.0%	84.7%
Fayette	3,485	3,417	18	17	33	2,578	2,514	3,387	3,389	3,024
		98.0%	0.5%	0.5%	0.9%	74.0%	72.1%	97.2%	97.2%	86.8%
Fleming	198	198	0	0	0	196	194	198	198	192
		100.0%	0.0%	0.0%	0.0%	99.0%	98.0%	100.0%	100.0%	97.0%
Floyd	456	453	3	0	0	440	442	455	454	449
		99.3%	0.7%	0.0%	0.0%	96.5%	96.9%	99.8%	99.6%	98.5%
Franklin	587	545	0	0	42	330	321	538	539	396
		92.8%	0.0%	0.0%	7.2%	56.2%	54.7%	91.7%	91.8%	67.5%
Fulton	81	81	0	0	0	80	80	81	81	81
		100.0%	0.0%	0.0%	0.0%	98.8%	98.8%	100.0%	100.0%	100.0%
Gallatin	124	124	0	0	0	119	119	122	122	119
		100.0%	0.0%	0.0%	0.0%	96.0%	96.0%	98.4%	98.4%	96.0%
Garrard	213	208	2	0	3	173	170	212	207	179
		97.7%	0.9%	0.0%	1.4%	81.2%	79.8%	99.5%	97.2%	84.0%

2014-2015 Annual School Immunization Survey--Sixth Grade Results

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	Tdap	MCV	3 HepB	2 MMR	2 VAR
Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
		97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
Grant	339	329	0	1	9	263	256	326	328	294
		97.1%	*0.0%*	*0.3%*	*2.7%*	*77.6%*	*75.5%*	*96.2%*	*96.8%*	*86.7%*
Graves	459	429	3	1	26	389	385	428	427	401
		93.5%	*0.7%*	*0.2%*	*5.7%*	*84.7%*	*83.9%*	*93.2%*	*93.0%*	*87.4%*
Grayson	323	321	0	1	1	312	310	321	321	317
		99.4%	*0.0%*	*0.3%*	*0.3%*	*96.6%*	*96.0%*	*99.4%*	*99.4%*	*98.1%*
Green	122	119	0	2	1	118	117	119	117	119
		97.5%	*0.0%*	*1.6%*	*0.8%*	*96.7%*	*95.9%*	*97.5%*	*95.9%*	*97.5%*
Greenup	493	487	1	2	3	414	408	487	485	413
		98.8%	*0.2%*	*0.4%*	*0.6%*	*84.0%*	*82.8%*	*98.8%*	*98.4%*	*83.8%*
Hancock	125	121	1	3	0	121	122	124	123	120
		96.8%	*0.8%*	*2.4%*	*0.0%*	*96.8%*	*97.6%*	*99.2%*	*98.4%*	*96.0%*
Hardin	1135	1121	2	6	6	996	945	1129	1121	1038
		98.8%	*0.2%*	*0.5%*	*0.5%*	*87.8%*	*83.3%*	*99.5%*	*98.8%*	*91.5%*
Harlan	378	359	2	0	17	248	241	358	355	254
		95.0%	*0.5%*	*0.0%*	*4.5%*	*65.6%*	*63.8%*	*94.7%*	*93.9%*	*67.2%*
Harrison	235	228	1	2	4	196	197	226	225	193
		97.0%	*0.4%*	*0.9%*	*1.7%*	*83.4%*	*83.8%*	*96.2%*	*95.7%*	*82.1%*
Hart	148	148	0	0	0	145	143	145	148	139
		100.0%	*0.0%*	*0.0%*	*0.0%*	*98.0%*	*96.6%*	*98.0%*	*100.0%*	*93.9%*
Henderson	559	553	3	1	2	504	518	556	555	522
		98.9%	*0.5%*	*0.2%*	*0.4%*	*90.2%*	*92.7%*	*99.5%*	*99.3%*	*93.4%*
Henry	244	242	1	1	0	237	238	243	242	239
		99.2%	*0.4%*	*0.4%*	*0.0%*	*97.1%*	*97.5%*	*99.6%*	*99.2%*	*98.0%*
Hickman	44	44	0	0	0	40	40	44	44	40
		100.0%	*0.0%*	*0.0%*	*0.0%*	*90.9%*	*90.9%*	*100.0%*	*100.0%*	*90.9%*
Hopkins	553	543	3	2	5	500	500	536	534	522
		98.2%	*0.5%*	*0.4%*	*0.9%*	*90.4%*	*90.4%*	*96.9%*	*96.6%*	*94.4%*
Jackson	164	162	0	2	0	159	158	162	162	160
		98.8%	*0.0%*	*1.2%*	*0.0%*	*97.0%*	*96.3%*	*98.8%*	*98.8%*	*97.6%*
Jefferson	9,335	9,147	21	54	113	8,286	8,218	9,182	9,167	8,807
		98.0%	*0.2%*	*0.6%*	*1.2%*	*88.8%*	*88.0%*	*98.4%*	*98.2%*	*94.3%*
Jessamine	571	537	3	11	20	528	531	532	548	540
		94.0%	*0.5%*	*1.9%*	*3.5%*	*92.5%*	*93.0%*	*93.2%*	*96.0%*	*94.6%*
Johnson	318	312	0	0	6	258	259	312	314	270
		98.1%	*0.0%*	*0.0%*	*1.9%*	*81.1%*	*81.4%*	*98.1%*	*98.7%*	*84.9%*
Kenton	2,148	2,102	7	13	26	2,020	1,998	2,134	2,132	2,063
		97.9%	*0.3%*	*0.6%*	*1.2%*	*94.0%*	*93.0%*	*99.3%*	*99.3%*	*96.0%*
Knott	186	178	2	0	6	144	141	179	177	146
		95.7%	*1.1%*	*0.0%*	*3.2%*	*77.4%*	*75.8%*	*96.2%*	*95.2%*	*78.5%*

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Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
		97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
Knox	399	384	1	2	12	250	249	382	380	275
		96.2%	*0.3%*	*0.5%*	*3.0%*	*62.7%*	*62.4%*	*95.7%*	*95.2%*	*68.9%*
Larue	166	165	1	0	0	124	124	163	163	129
		99.4%	*0.6%*	*0.0%*	*0.0%*	*74.7%*	*74.7%*	*98.2%*	*98.2%*	*77.7%*
Laurel	797	759	2	6	30	389	388	589	756	426
		95.2%	*0.3%*	*0.8%*	*3.8%*	*48.8%*	*48.7%*	*73.9%*	*94.9%*	*53.5%*
Lawrence	187	184	0	0	3	166	166	184	184	173
		98.4%	*0.0%*	*0.0%*	*1.6%*	*88.8%*	*88.8%*	*98.4%*	*98.4%*	*92.5%*
Lee	89	84	0	0	5	53	51	84	84	62
		94.4%	*0.0%*	*0.0%*	*5.6%*	*59.6%*	*57.3%*	*94.4%*	*94.4%*	*69.7%*
Leslie	166	163	1	0	2	115	103	164	164	121
		98.2%	*0.6%*	*0.0%*	*1.2%*	*69.3%*	*62.0%*	*98.8%*	*98.8%*	*72.9%*
Letcher	255	249	4	0	2	236	225	253	250	233
		97.6%	*1.6%*	*0.0%*	*0.8%*	*92.5%*	*88.2%*	*99.2%*	*98.0%*	*91.4%*
Lewis	144	144	0	0	0	140	140	144	144	142
		100.0%	*0.0%*	*0.0%*	*0.0%*	*97.2%*	*97.2%*	*100.0%*	*100.0%*	*98.6%*
Lincoln	284	282	0	2	0	251	250	282	282	244
		99.3%	*0.0%*	*0.7%*	*0.0%*	*88.4%*	*88.0%*	*99.3%*	*99.3%*	*85.9%*
Livingston	85	82	0	1	2	48	47	80	81	56
		96.5%	*0.0%*	*1.2%*	*2.4%*	*56.5%*	*55.3%*	*94.1%*	*95.3%*	*65.9%*
Logan	316	302	4	0	10	259	255	311	312	273
		95.6%	*1.3%*	*0.0%*	*3.2%*	*82.0%*	*80.7%*	*98.4%*	*98.7%*	*86.4%*
Lyon	65	64	0	0	1	53	50	64	64	52
		98.5%	*0.0%*	*0.0%*	*1.5%*	*81.5%*	*76.9%*	*98.5%*	*98.5%*	*80.0%*
Madison	944	918	8	12	6	847	843	929	930	875
		97.2%	*0.8%*	*1.3%*	*0.6%*	*89.7%*	*89.3%*	*98.4%*	*98.5%*	*92.7%*
Magoffin	156	153	0	0	3	79	77	154	153	92
		98.1%	*0.0%*	*0.0%*	*1.9%*	*50.6%*	*49.4%*	*98.7%*	*98.1%*	*59.0%*
Marion	251	247	0	1	3	214	220	245	245	249
		98.4%	*0.0%*	*0.4%*	*1.2%*	*85.3%*	*87.6%*	*97.6%*	*97.6%*	*99.2%*
Marshall	388	375	2	1	10	371	370	381	378	368
		96.6%	*0.5%*	*0.3%*	*2.6%*	*95.6%*	*95.4%*	*98.2%*	*97.4%*	*94.8%*
Martin	158	148	4	0	6	154	154	156	158	148
		93.7%	*2.5%*	*0.0%*	*3.8%*	*97.5%*	*97.5%*	*98.7%*	*100.0%*	*93.7%*
Mason	202	196	1	0	5	95	92	196	196	131
		97.0%	*0.5%*	*0.0%*	*2.5%*	*47.0%*	*45.5%*	*97.0%*	*97.0%*	*64.9%*
McCracken	755	743	2	9	1	691	688	747	745	709
		98.4%	*0.3%*	*1.2%*	*0.1%*	*91.5%*	*91.1%*	*98.9%*	*98.7%*	*93.9%*
McCreary	209	208	0	1	0	201	188	209	208	200
		99.5%	*0.0%*	*0.5%*	*0.0%*	*96.2%*	*90.0%*	*100.0%*	*99.5%*	*95.7%*

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Kentucky (Total)	54,358	53,113	217	277	751	45,915	45,181	52,969	53,120	48,292
		97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
McLean	119	115	0	4	0	115	115	116	116	116
		96.6%	*0.0%*	*3.4%*	*0.0%*	*96.6%*	*96.6%*	*97.5%*	*97.5%*	*97.5%*
Meade	369	366	2	1	0	361	361	369	369	359
		99.2%	*0.5%*	*0.3%*	*0.0%*	*97.8%*	*97.8%*	*100.0%*	*100.0%*	*97.3%*
Menifee	89	89	0	0	0	75	74	89	89	79
		100.0%	*0.0%*	*0.0%*	*0.0%*	*84.3%*	*83.1%*	*100.0%*	*100.0%*	*88.8%*
Mercer	252	252	0	0	0	248	251	250	252	251
		100.0%	*0.0%*	*0.0%*	*0.0%*	*98.4%*	*99.6%*	*99.2%*	*100.0%*	*99.6%*
Metcalfe	115	115	0	0	0	95	92	113	112	103
		100.0%	*0.0%*	*0.0%*	*0.0%*	*82.6%*	*80.0%*	*98.3%*	*97.4%*	*89.6%*
Monroe	132	131	0	0	1	110	110	132	132	108
		99.2%	*0.0%*	*0.0%*	*0.8%*	*83.3%*	*83.3%*	*100.0%*	*100.0%*	*81.8%*
Montgomery	356	337	5	1	13	351	290	343	350	314
		94.7%	*1.4%*	*0.3%*	*3.7%*	*98.6%*	*81.5%*	*96.3%*	*98.3%*	*88.2%*
Morgan	157	155	1	1	0	145	146	157	156	151
		98.7%	*0.6%*	*0.6%*	*0.0%*	*92.4%*	*93.0%*	*100.0%*	*99.4%*	*96.2%*
Muhlenberg	360	352	4	3	1	313	309	356	354	312
		97.8%	*1.1%*	*0.8%*	*0.3%*	*86.9%*	*85.8%*	*98.9%*	*98.3%*	*86.7%*
Nelson	618	600	2	4	12	452	452	577	596	538
		97.1%	*0.3%*	*0.6%*	*1.9%*	*73.1%*	*73.1%*	*93.4%*	*96.4%*	*87.1%*
Nicholas	84	83	0	1	0	83	79	81	81	78
		98.8%	*0.0%*	*1.2%*	*0.0%*	*98.8%*	*94.0%*	*96.4%*	*96.4%*	*92.9%*
Ohio	284	274	0	0	10	194	191	269	270	205
		96.5%	*0.0%*	*0.0%*	*3.5%*	*68.3%*	*67.3%*	*94.7%*	*95.1%*	*72.2%*
Oldham	1,023	1,002	2	14	5	977	976	1,008	1,006	988
		97.9%	*0.2%*	*1.4%*	*0.5%*	*95.5%*	*95.4%*	*98.5%*	*98.3%*	*96.6%*
Owen	126	123	0	1	2	123	123	123	123	123
		97.6%	*0.0%*	*0.8%*	*1.6%*	*97.6%*	*97.6%*	*97.6%*	*97.6%*	*97.6%*
Owsley	54	49	1	0	4	6	6	49	50	13
		90.7%	*1.9%*	*0.0%*	*7.4%*	*11.1%*	*11.1%*	*90.7%*	*92.6%*	*24.1%*
Pendleton	175	173	1	1	0	173	174	175	173	173
		98.9%	*0.6%*	*0.6%*	*0.0%*	*98.9%*	*99.4%*	*100.0%*	*98.9%*	*98.9%*
Perry	390	387	0	0	3	354	353	387	386	362
		99.2%	*0.0%*	*0.0%*	*0.8%*	*90.8%*	*90.5%*	*99.2%*	*99.0%*	*92.8%*
Pike	775	767	3	1	4	623	623	768	766	711
		99.0%	*0.4%*	*0.1%*	*0.5%*	*80.4%*	*80.4%*	*99.1%*	*98.8%*	*91.7%*
Powell	170	167	1	1	1	64	64	167	167	111
		98.2%	*0.6%*	*0.6%*	*0.6%*	*37.6%*	*37.6%*	*98.2%*	*98.2%*	*65.3%*
Pulaski	836	822	3	2	9	742	739	822	825	755
		98.3%	*0.4%*	*0.2%*	*1.1%*	*88.8%*	*88.4%*	*98.3%*	*98.7%*	*90.3%*

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		97.7%	*0.4%*	*0.5%*	*1.4%*	*84.5%*	*83.1%*	*97.4%*	*97.7%*	*88.8%*
Robertson	27	26	0	1	0	25	26	26	26	26
		96.3%	*0.0%*	*3.7%*	*0.0%*	*92.6%*	*96.3%*	*96.3%*	*96.3%*	*96.3%*
Rockcastle	210	208	1	1	0	207	209	210	210	208
		99.0%	*0.5%*	*0.5%*	*0.0%*	*98.6%*	*99.5%*	*100.0%*	*100.0%*	*99.0%*
Rowan	246	239	3	2	2	133	130	244	242	169
		97.2%	*1.2%*	*0.8%*	*0.8%*	*54.1%*	*52.8%*	*99.2%*	*98.4%*	*68.7%*
Russell	213	212	0	1	0	209	209	212	212	209
		99.5%	*0.0%*	*0.5%*	*0.0%*	*98.1%*	*98.1%*	*99.5%*	*99.5%*	*98.1%*
Scott	695	669	0	3	23	477	411	623	658	467
		96.3%	*0.0%*	*0.4%*	*3.3%*	*68.6%*	*59.1%*	*89.6%*	*94.7%*	*67.2%*
Shelby	563	549	5	2	7	439	432	541	546	479
		97.5%	*0.9%*	*0.4%*	*1.2%*	*78.0%*	*76.7%*	*96.1%*	*97.0%*	*85.1%*
Simpson	227	221	1	1	4	205	197	221	220	210
		97.4%	*0.4%*	*0.4%*	*1.8%*	*90.3%*	*86.8%*	*97.4%*	*96.9%*	*92.5%*
Spencer	227	226	1	0	0	227	227	227	226	227
		99.6%	*0.4%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*100.0%*	*99.6%*	*100.0%*
Taylor	315	311	1	3	0	253	253	310	305	269
		98.7%	*0.3%*	*1.0%*	*0.0%*	*80.3%*	*80.3%*	*98.4%*	*96.8%*	*85.4%*
Todd	153	146	0	0	7	106	104	146	146	119
		95.4%	*0.0%*	*0.0%*	*4.6%*	*69.3%*	*68.0%*	*95.4%*	*95.4%*	*77.8%*
Trigg	152	152	0	0	0	144	141	152	152	148
		100.0%	*0.0%*	*0.0%*	*0.0%*	*94.7%*	*92.8%*	*100.0%*	*100.0%*	*97.4%*
Trimble	105	104	1	0	0	104	105	105	105	105
		99.0%	*1.0%*	*0.0%*	*0.0%*	*99.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*
Union	205	202	1	1	1	199	202	203	203	198
		98.5%	*0.5%*	*0.5%*	*0.5%*	*97.1%*	*98.5%*	*99.0%*	*99.0%*	*96.6%*
Warren	1,292	1,251	23	2	16	1,009	955	1,258	1,261	1,047
		96.8%	*1.8%*	*0.2%*	*1.2%*	*78.1%*	*73.9%*	*97.4%*	*97.6%*	*81.0%*
Washington	156	152	2	0	2	130	124	152	150	141
		97.4%	*1.3%*	*0.0%*	*1.3%*	*83.3%*	*79.5%*	*97.4%*	*96.2%*	*90.4%*
Wayne	265	264	1	0	0	265	265	265	265	265
		99.6%	*0.4%*	*0.0%*	*0.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*	*100.0%*
Webster	175	160	0	0	15	122	123	157	159	128
		91.4%	*0.0%*	*0.0%*	*8.6%*	*69.7%*	*70.3%*	*89.7%*	*90.9%*	*73.1%*
Whitley	614	600	1	6	7	456	462	603	602	485
		97.7%	*0.2%*	*1.0%*	*1.1%*	*74.3%*	*75.2%*	*98.2%*	*98.0%*	*79.0%*
Wolfe	91	91	0	0	0	48	48	90	89	51
		100.0%	*0.0%*	*0.0%*	*0.0%*	*52.7%*	*52.7%*	*98.9%*	*97.8%*	*56.0%*
Woodford	357	355	1	1	0	345	343	354	355	348
		99.4%	*0.3%*	*0.3%*	*0.0%*	*96.6%*	*96.1%*	*99.2%*	*99.4%*	*97.5%*

APPENDIX E

County Ranking by Average Compliance for All Five Vaccines

KINDERGARTEN - Sorted by County Name in Alphabetical Order (E-1)
KINDERGARTEN - Sorted by County Ranking from Highest to Lowest (E-2)
SIXTH GRADE - Sorted by County Name in Alphabetical Order (E-4)
SIXTH GRADE - Sorted by County Ranking from Highest to Lowest (E-4)

Appendix E: County Rankings

Each of these age-specific reports for both Kindergarten (Appendix E-1 and Appendix E-2) and Sixth Grade (Appendix E-3 and Appendix E-4) provides the county rankings by average compliance for all five age-appropriate vaccinations surveyed in alphabetical order (Appendix E-1 and Appendix E-3), or by highest to lowest county ranking (Appendix E-2 and Appendix E-4).

This report lists the county totals/coverage rates, with coverage rates (percentage) for each certificate type, age-appropriate vaccinations, and the average compliance for all five vaccinations surveyed. Using an arithmetic average of children having the minimum number of doses for each immunization, as reported by each school indicating vaccination compliance, counties were ranked into three groups:

- County ranking with an average of 95% or greater has been highlighted in ,
- County ranking with an average between 90% and < 95% has been highlighted in ,
- County ranking with an average <90% has been highlighted in .

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases. The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures are assessed in school, as follows:

Kindergarten:

- Greater than 95% for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade:

- Greater than 95% for 3+ HepB and 2 MMR,
- Greater than 90% for 2 Varicella, and
- Greater than 80% for 1 Tdap and 1 MCV.

If any of the age-appropriate HP 2020 target measures were not met at a school, the cell in the corresponding vaccine (COLUMN) for a given school (ROW) has been highlighted red .

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Adair	201	95.5%	100.0%	99.5%	98.5%	98.0%	98.31%	19
Allen	250	98.4%	99.2%	99.6%	99.6%	98.8%	99.12%	10
Anderson	288	97.2%	95.8%	96.5%	94.4%	93.4%	95.49%	56
Ballard	92	97.8%	98.9%	100.0%	97.8%	97.8%	98.48%	17
Barren	651	96.5%	96.8%	97.1%	95.4%	95.2%	96.19%	48
Bath	173	92.5%	92.5%	89.6%	86.1%	87.3%	89.60%	91
Bell	386	90.4%	90.4%	90.4%	83.9%	84.7%	87.98%	100
Boone	1,780	97.4%	97.9%	97.9%	97.6%	97.0%	97.56%	34
Bourbon	266	98.1%	98.1%	98.1%	96.2%	97.4%	97.59%	33
Boyd	574	93.9%	95.1%	93.9%	91.3%	90.2%	92.89%	74
Boyle	339	91.4%	91.7%	90.9%	91.2%	89.4%	90.91%	89
Bracken	136	94.9%	91.9%	94.9%	91.9%	89.7%	92.65%	77
Breathitt	169	85.2%	85.2%	89.9%	77.5%	78.1%	83.20%	116
Breckinridge	258	95.0%	95.0%	94.2%	92.6%	91.5%	93.64%	69
Bullitt	990	94.9%	95.1%	94.7%	93.2%	93.3%	94.26%	63
Butler	176	94.3%	94.9%	92.6%	89.8%	88.6%	92.05%	85
Caldwell	144	96.5%	96.5%	94.4%	96.5%	93.1%	95.42%	57
Calloway	415	97.6%	97.8%	97.8%	97.3%	96.9%	97.49%	36
Campbell	976	97.1%	97.2%	97.8%	97.2%	97.0%	97.30%	38
Carlisle	67	91.0%	91.0%	89.6%	88.1%	86.6%	89.25%	92
Carroll	190	86.8%	86.3%	90.0%	85.3%	82.1%	86.11%	107
Carter	347	96.5%	97.4%	97.1%	93.1%	92.2%	95.27%	58
Casey	184	91.3%	91.3%	90.8%	89.1%	90.8%	90.65%	90
Christian	831	93.5%	94.1%	93.7%	91.9%	91.1%	92.88%	75
Clark	466	93.1%	92.7%	92.9%	90.8%	90.1%	91.93%	86
Clay	338	94.1%	93.8%	91.7%	91.4%	91.1%	92.43%	79
Clinton	150	96.0%	98.7%	98.7%	98.0%	98.7%	98.00%	25
Crittenden	104	89.4%	89.4%	88.5%	87.5%	87.5%	88.46%	97
Cumberland	78	98.7%	98.7%	98.7%	97.4%	97.4%	98.21%	20
Daviess	1313	93.5%	93.8%	93.1%	91.2%	89.4%	92.20%	81

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Edmonson	148	99.3%	100.0%	98.0%	99.3%	99.3%	99.19%	7
Elliott	99	94.9%	94.9%	92.9%	93.9%	93.9%	94.14%	65
Estill	156	88.5%	88.5%	87.2%	82.1%	81.4%	85.51%	109
Fayette	3,808	96.3%	95.8%	93.7%	94.7%	94.2%	94.96%	61
Fleming	199	99.0%	99.0%	99.5%	98.5%	98.5%	98.89%	13
Floyd	573	99.0%	98.8%	99.3%	98.3%	98.3%	98.71%	15
Franklin	653	86.7%	87.0%	86.5%	68.9%	62.6%	78.35%	119
Fulton	87	98.9%	98.9%	100.0%	98.9%	97.7%	98.85%	14
Gallatin	118	84.7%	89.0%	91.5%	85.6%	86.4%	87.46%	103
Garrard	201	88.6%	90.0%	92.5%	86.1%	88.6%	89.15%	95
Grant	375	95.5%	97.3%	96.0%	95.2%	94.7%	95.73%	55
Graves	532	96.8%	96.8%	96.2%	95.5%	94.9%	96.05%	50
Grayson	301	99.7%	99.7%	99.0%	99.0%	99.0%	99.27%	5
Green	153	94.8%	94.8%	93.5%	94.8%	94.1%	94.38%	62
Greenup	495	97.2%	98.0%	97.0%	95.6%	94.7%	96.48%	47
Hancock	102	99.0%	100.0%	100.0%	99.0%	100.0%	99.61%	2
Hardin	992	88.7%	89.2%	88.1%	85.9%	85.6%	87.50%	102
Harlan	370	82.2%	83.2%	83.0%	78.9%	78.9%	81.24%	117
Harrison	235	87.7%	88.5%	88.1%	82.1%	85.1%	86.30%	106
Hart	186	97.8%	99.5%	98.4%	97.8%	96.8%	98.06%	24
Henderson	627	97.8%	98.2%	97.8%	97.4%	97.4%	97.74%	29
Henry	203	98.0%	98.0%	98.0%	97.5%	97.5%	97.83%	27
Hickman	52	100.0%	100.0%	100.0%	96.2%	92.3%	97.69%	30
Hopkins	604	97.4%	98.2%	98.3%	97.4%	97.2%	97.68%	32
Jackson	193	97.9%	97.4%	96.9%	97.9%	97.4%	97.51%	35
Jefferson	9,758	94.1%	94.6%	93.7%	92.6%	91.9%	93.37%	71
Jessamine	628	91.2%	94.4%	91.6%	93.2%	91.6%	92.39%	80
Johnson	320	85.3%	83.4%	85.6%	83.4%	83.1%	84.19%	113
Kenton	2,358	97.3%	97.3%	97.7%	96.3%	95.8%	96.88%	42
Knott	218	91.7%	91.7%	90.8%	91.3%	90.4%	91.19%	87

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Knox	438	81.3%	81.7%	79.0%	79.2%	78.8%	80.00%	118
Larue	171	87.1%	87.7%	87.1%	86.0%	85.4%	86.67%	105
Laurel	814	86.6%	87.5%	84.5%	84.8%	84.2%	85.50%	110
Lawrence	249	96.4%	98.0%	98.4%	95.2%	95.2%	96.63%	44
Lee	86	91.9%	93.0%	91.9%	91.9%	91.9%	92.09%	84
Leslie	148	95.3%	97.3%	97.3%	92.6%	93.9%	95.27%	59
Letcher	296	97.0%	97.3%	97.3%	96.6%	96.3%	96.89%	41
Lewis	191	98.4%	99.0%	99.0%	96.9%	96.3%	97.91%	26
Lincoln	312	97.4%	98.1%	97.8%	96.5%	96.5%	97.24%	39
Livingston	97	87.6%	87.6%	86.6%	82.5%	79.4%	84.74%	111
Logan	311	84.2%	84.9%	86.2%	83.9%	82.6%	84.37%	112
Lyon	74	98.6%	98.6%	94.6%	94.6%	93.2%	95.95%	54
Madison	1,053	97.4%	97.4%	97.2%	95.6%	95.0%	96.54%	45
Magoffin	173	90.8%	91.9%	91.9%	86.1%	85.5%	89.25%	93
Marion	285	98.6%	98.6%	98.6%	96.5%	98.6%	98.18%	21
Marshall	407	93.9%	93.9%	93.9%	93.1%	93.6%	93.66%	68
Martin	165	99.4%	99.4%	99.4%	98.2%	99.4%	99.15%	8
Mason	219	88.1%	88.1%	86.3%	78.5%	78.1%	83.84%	115
McCracken	672	94.5%	94.2%	94.3%	90.2%	90.6%	92.77%	76
McCreary	210	98.6%	98.6%	99.0%	96.2%	96.7%	97.81%	28
McLean	119	96.6%	97.5%	96.6%	94.1%	95.0%	95.97%	52
Meade	350	99.1%	99.1%	99.1%	99.4%	99.4%	99.26%	6
Menifee	81	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	1
Mercer	275	99.6%	99.3%	99.3%	98.9%	99.6%	99.35%	4
Metcalfe	135	89.6%	89.6%	89.6%	89.6%	85.2%	88.74%	96
Monroe	153	93.5%	92.8%	92.8%	92.8%	92.8%	92.94%	73
Montgomery	422	85.8%	86.0%	88.2%	85.1%	85.1%	86.02%	108
Morgan	158	98.1%	98.1%	98.1%	95.6%	94.9%	96.96%	40
Muhlenberg	355	92.7%	92.4%	90.7%	90.4%	89.6%	91.15%	88
Nelson	568	84.9%	85.6%	85.2%	82.0%	81.9%	83.91%	114

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Nicholas	95	96.8%	98.9%	97.9%	94.7%	94.7%	96.63%	43
Ohio	335	88.4%	89.0%	89.0%	85.4%	85.4%	87.40%	104
Oldham	816	97.9%	97.9%	97.2%	97.1%	96.8%	97.38%	37
Owen	135	95.6%	96.3%	95.6%	97.0%	95.6%	96.00%	51
Owsley	65	96.9%	93.8%	96.9%	86.2%	95.4%	93.85%	66
Pendleton	182	98.4%	98.4%	98.9%	96.7%	96.2%	97.69%	31
Perry	401	94.8%	95.5%	94.5%	92.3%	94.0%	94.21%	64
Pike	796	98.5%	99.1%	98.9%	98.0%	97.7%	98.44%	18
Powell	176	89.2%	89.2%	88.1%	86.4%	86.4%	87.84%	101
Pulaski	831	98.4%	98.8%	98.6%	97.6%	97.0%	98.07%	23
Robertson	19	100.0%	100.0%	94.7%	100.0%	100.0%	98.95%	12
Rockcastle	213	96.7%	97.2%	97.2%	95.8%	95.8%	96.53%	46
Rowan	280	93.2%	93.9%	94.6%	90.7%	90.4%	92.57%	78
Russell	272	99.6%	99.6%	99.3%	98.9%	98.2%	99.12%	11
Scott	733	88.8%	89.2%	86.8%	86.4%	89.1%	88.05%	99
Shelby	547	94.3%	94.1%	93.8%	92.5%	90.9%	93.13%	72
Simpson	213	98.6%	99.1%	98.6%	96.7%	97.7%	98.12%	22
Spencer	195	99.0%	99.0%	99.0%	97.9%	98.5%	98.67%	16
Taylor	327	92.4%	85.9%	96.3%	95.4%	96.9%	93.39%	70
Todd	149	75.8%	76.5%	73.8%	71.8%	71.1%	73.83%	120
Trigg	142	92.3%	93.0%	91.5%	92.3%	91.5%	92.11%	83
Trimble	124	91.1%	92.7%	91.9%	85.5%	84.7%	89.19%	94
Union	184	99.5%	100.0%	98.4%	99.5%	99.5%	99.35%	3
Warren	1361	95.5%	95.4%	94.3%	95.2%	94.8%	95.03%	60
Washington	179	94.4%	94.4%	94.4%	93.3%	92.2%	93.74%	67
Wayne	234	99.1%	99.1%	99.1%	99.1%	99.1%	99.15%	9
Webster	184	89.1%	89.7%	89.1%	87.0%	86.4%	88.26%	98
Whitley	569	96.3%	96.8%	96.8%	94.6%	95.3%	95.96%	53
Wolfe	97	91.8%	92.8%	91.8%	91.8%	92.8%	92.16%	82
Woodford	321	97.5%	97.5%	96.0%	95.3%	94.4%	96.14%	49

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Menifee	81	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	1
Hancock	102	99.0%	100.0%	100.0%	99.0%	100.0%	99.61%	2
Union	184	99.5%	100.0%	98.4%	99.5%	99.5%	99.35%	3
Mercer	275	99.6%	99.3%	99.3%	98.9%	99.6%	99.35%	4
Grayson	301	99.7%	99.7%	99.0%	99.0%	99.0%	99.27%	5
Meade	350	99.1%	99.1%	99.1%	99.4%	99.4%	99.26%	6
Edmonson	148	99.3%	100.0%	98.0%	99.3%	99.3%	99.19%	7
Martin	165	99.4%	99.4%	99.4%	98.2%	99.4%	99.15%	8
Wayne	234	99.1%	99.1%	99.1%	99.1%	99.1%	99.15%	9
Allen	250	98.4%	99.2%	99.6%	99.6%	98.8%	99.12%	10
Russell	272	99.6%	99.6%	99.3%	98.9%	98.2%	99.12%	11
Robertson	19	100.0%	100.0%	94.7%	100.0%	100.0%	98.95%	12
Fleming	199	99.0%	99.0%	99.5%	98.5%	98.5%	98.89%	13
Fulton	87	98.9%	98.9%	100.0%	98.9%	97.7%	98.85%	14
Floyd	573	99.0%	98.8%	99.3%	98.3%	98.3%	98.71%	15
Spencer	195	99.0%	99.0%	99.0%	97.9%	98.5%	98.67%	16
Ballard	92	97.8%	98.9%	100.0%	97.8%	97.8%	98.48%	17
Pike	796	98.5%	99.1%	98.9%	98.0%	97.7%	98.44%	18
Adair	201	95.5%	100.0%	99.5%	98.5%	98.0%	98.31%	19
Cumberland	78	98.7%	98.7%	98.7%	97.4%	97.4%	98.21%	20
Marion	285	98.6%	98.6%	98.6%	96.5%	98.6%	98.18%	21
Simpson	213	98.6%	99.1%	98.6%	96.7%	97.7%	98.12%	22
Pulaski	831	98.4%	98.8%	98.6%	97.6%	97.0%	98.07%	23
Hart	186	97.8%	99.5%	98.4%	97.8%	96.8%	98.06%	24
Clinton	150	96.0%	98.7%	98.7%	98.0%	98.7%	98.00%	25
Lewis	191	98.4%	99.0%	99.0%	96.9%	96.3%	97.91%	26
Henry	203	98.0%	98.0%	98.0%	97.5%	97.5%	97.83%	27
McCreary	210	98.6%	98.6%	99.0%	96.2%	96.7%	97.81%	28
Henderson	627	97.8%	98.2%	97.8%	97.4%	97.4%	97.74%	29
Hickman	52	100.0%	100.0%	100.0%	96.2%	92.3%	97.69%	30

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Pendleton	182	98.4%	98.4%	98.9%	96.7%	96.2%	97.69%	31
Hopkins	604	97.4%	98.2%	98.3%	97.4%	97.2%	97.68%	32
Bourbon	266	98.1%	98.1%	98.1%	96.2%	97.4%	97.59%	33
Boone	1,780	97.4%	97.9%	97.9%	97.6%	97.0%	97.56%	34
Jackson	193	97.9%	97.4%	96.9%	97.9%	97.4%	97.51%	35
Calloway	415	97.6%	97.8%	97.8%	97.3%	96.9%	97.49%	36
Oldham	816	97.9%	97.9%	97.2%	97.1%	96.8%	97.38%	37
Campbell	976	97.1%	97.2%	97.8%	97.2%	97.0%	97.30%	38
Lincoln	312	97.4%	98.1%	97.8%	96.5%	96.5%	97.24%	39
Morgan	158	98.1%	98.1%	98.1%	95.6%	94.9%	96.96%	40
Letcher	296	97.0%	97.3%	97.3%	96.6%	96.3%	96.89%	41
Kenton	2,358	97.3%	97.3%	97.7%	96.3%	95.8%	96.88%	42
Nicholas	95	96.8%	98.9%	97.9%	94.7%	94.7%	96.63%	43
Lawrence	249	96.4%	98.0%	98.4%	95.2%	95.2%	96.63%	44
Madison	1,053	97.4%	97.4%	97.2%	95.6%	95.0%	96.54%	45
Rockcastle	213	96.7%	97.2%	97.2%	95.8%	95.8%	96.53%	46
Greenup	495	97.2%	98.0%	97.0%	95.6%	94.7%	96.48%	47
Barren	651	96.5%	96.8%	97.1%	95.4%	95.2%	96.19%	48
Woodford	321	97.5%	97.5%	96.0%	95.3%	94.4%	96.14%	49
Graves	532	96.8%	96.8%	96.2%	95.5%	94.9%	96.05%	50
Owen	135	95.6%	96.3%	95.6%	97.0%	95.6%	96.00%	51
McLean	119	96.6%	97.5%	96.6%	94.1%	95.0%	95.97%	52
Whitley	569	96.3%	96.8%	96.8%	94.6%	95.3%	95.96%	53
Lyon	74	98.6%	98.6%	94.6%	94.6%	93.2%	95.95%	54
Grant	375	95.5%	97.3%	96.0%	95.2%	94.7%	95.73%	55
Anderson	288	97.2%	95.8%	96.5%	94.4%	93.4%	95.49%	56
Caldwell	144	96.5%	96.5%	94.4%	96.5%	93.1%	95.42%	57
Carter	347	96.5%	97.4%	97.1%	93.1%	92.2%	95.27%	58
Leslie	148	95.3%	97.3%	97.3%	92.6%	93.9%	95.27%	59
Warren	1361	95.5%	95.4%	94.3%	95.2%	94.8%	95.03%	60

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Fayette	3,808	96.3%	95.8%	93.7%	94.7%	94.2%	94.96%	61
Green	153	94.8%	94.8%	93.5%	94.8%	94.1%	94.38%	62
Bullitt	990	94.9%	95.1%	94.7%	93.2%	93.3%	94.26%	63
Perry	401	94.8%	95.5%	94.5%	92.3%	94.0%	94.21%	64
Elliott	99	94.9%	94.9%	92.9%	93.9%	93.9%	94.14%	65
Owsley	65	96.9%	93.8%	96.9%	86.2%	95.4%	93.85%	66
Washington	179	94.4%	94.4%	94.4%	93.3%	92.2%	93.74%	67
Marshall	407	93.9%	93.9%	93.9%	93.1%	93.6%	93.66%	68
Breckinridge	258	95.0%	95.0%	94.2%	92.6%	91.5%	93.64%	69
Taylor	327	92.4%	85.9%	96.3%	95.4%	96.9%	93.39%	70
Jefferson	9,758	94.1%	94.6%	93.7%	92.6%	91.9%	93.37%	71
Shelby	547	94.3%	94.1%	93.8%	92.5%	90.9%	93.13%	72
Monroe	153	93.5%	92.8%	92.8%	92.8%	92.8%	92.94%	73
Boyd	574	93.9%	95.1%	93.9%	91.3%	90.2%	92.89%	74
Christian	831	93.5%	94.1%	93.7%	91.9%	91.1%	92.88%	75
McCracken	672	94.5%	94.2%	94.3%	90.2%	90.6%	92.77%	76
Bracken	136	94.9%	91.9%	94.9%	91.9%	89.7%	92.65%	77
Rowan	280	93.2%	93.9%	94.6%	90.7%	90.4%	92.57%	78
Clay	338	94.1%	93.8%	91.7%	91.4%	91.1%	92.43%	79
Jessamine	628	91.2%	94.4%	91.6%	93.2%	91.6%	92.39%	80
Daviess	1313	93.5%	93.8%	93.1%	91.2%	89.4%	92.20%	81
Wolfe	97	91.8%	92.8%	91.8%	91.8%	92.8%	92.16%	82
Trigg	142	92.3%	93.0%	91.5%	92.3%	91.5%	92.11%	83
Lee	86	91.9%	93.0%	91.9%	91.9%	91.9%	92.09%	84
Butler	176	94.3%	94.9%	92.6%	89.8%	88.6%	92.05%	85
Clark	466	93.1%	92.7%	92.9%	90.8%	90.1%	91.93%	86
Knott	218	91.7%	91.7%	90.8%	91.3%	90.4%	91.19%	87
Muhlenberg	355	92.7%	92.4%	90.7%	90.4%	89.6%	91.15%	88
Boyle	339	91.4%	91.7%	90.9%	91.2%	89.4%	90.91%	89
Casey	184	91.3%	91.3%	90.8%	89.1%	90.8%	90.65%	90

2014-2015 Annual School Immunization Survey--Kindergarten Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	56,238	94.4%	94.7%	94.1%	92.7%	92.3%	93.64%	
Bath	173	92.5%	92.5%	89.6%	86.1%	87.3%	89.60%	91
Carlisle	67	91.0%	91.0%	89.6%	88.1%	86.6%	89.25%	92
Magoffin	173	90.8%	91.9%	91.9%	86.1%	85.5%	89.25%	93
Trimble	124	91.1%	92.7%	91.9%	85.5%	84.7%	89.19%	94
Garrard	201	88.6%	90.0%	92.5%	86.1%	88.6%	89.15%	95
Metcalfe	135	89.6%	89.6%	89.6%	89.6%	85.2%	88.74%	96
Crittenden	104	89.4%	89.4%	88.5%	87.5%	87.5%	88.46%	97
Webster	184	89.1%	89.7%	89.1%	87.0%	86.4%	88.26%	98
Scott	733	88.8%	89.2%	86.8%	86.4%	89.1%	88.05%	99
Bell	386	90.4%	90.4%	90.4%	83.9%	84.7%	87.98%	100
Powell	176	89.2%	89.2%	88.1%	86.4%	86.4%	87.84%	101
Hardin	992	88.7%	89.2%	88.1%	85.9%	85.6%	87.50%	102
Gallatin	118	84.7%	89.0%	91.5%	85.6%	86.4%	87.46%	103
Ohio	335	88.4%	89.0%	89.0%	85.4%	85.4%	87.40%	104
Larue	171	87.1%	87.7%	87.1%	86.0%	85.4%	86.67%	105
Harrison	235	87.7%	88.5%	88.1%	82.1%	85.1%	86.30%	106
Carroll	190	86.8%	86.3%	90.0%	85.3%	82.1%	86.11%	107
Montgomery	422	85.8%	86.0%	88.2%	85.1%	85.1%	86.02%	108
Estill	156	88.5%	88.5%	87.2%	82.1%	81.4%	85.51%	109
Laurel	814	86.6%	87.5%	84.5%	84.8%	84.2%	85.50%	110
Livingston	97	87.6%	87.6%	86.6%	82.5%	79.4%	84.74%	111
Logan	311	84.2%	84.9%	86.2%	83.9%	82.6%	84.37%	112
Johnson	320	85.3%	83.4%	85.6%	83.4%	83.1%	84.19%	113
Nelson	568	84.9%	85.6%	85.2%	82.0%	81.9%	83.91%	114
Mason	219	88.1%	88.1%	86.3%	78.5%	78.1%	83.84%	115
Breathitt	169	85.2%	85.2%	89.9%	77.5%	78.1%	83.20%	116
Harlan	370	82.2%	83.2%	83.0%	78.9%	78.9%	81.24%	117
Knox	438	81.3%	81.7%	79.0%	79.2%	78.8%	80.00%	118
Franklin	653	86.7%	87.0%	86.5%	68.9%	62.6%	78.35%	119
Todd	149	75.8%	76.5%	73.8%	71.8%	71.1%	73.83%	120

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Adair	218	93.1%	89.4%	98.2%	97.2%	91.3%	93.9%	53
Allen	239	97.1%	89.5%	97.5%	98.3%	94.1%	95.3%	42
Anderson	296	96.6%	88.2%	96.6%	96.6%	92.6%	94.1%	50
Ballard	105	98.1%	97.1%	100.0%	100.0%	97.1%	98.5%	13
Barren	518	82.2%	82.0%	90.9%	91.1%	88.6%	87.0%	83
Bath	158	58.9%	58.9%	98.1%	98.1%	98.1%	82.4%	98
Bell	380	30.0%	28.4%	91.8%	91.3%	46.6%	57.6%	119
Boone	1,911	95.8%	95.1%	98.7%	98.5%	96.3%	96.9%	29
Bourbon	233	83.7%	83.3%	98.3%	99.6%	85.0%	90.0%	68
Boyd	572	78.1%	77.4%	97.2%	96.9%	79.9%	85.9%	90
Boyle	368	97.0%	76.4%	95.4%	98.1%	82.1%	89.8%	69
Bracken	125	85.6%	82.4%	97.6%	90.4%	88.0%	88.8%	76
Breathitt	194	68.0%	64.4%	97.4%	93.8%	73.7%	79.5%	103
Breckinridge	261	95.4%	94.6%	99.2%	97.7%	95.4%	96.5%	34
Bullitt	1,079	79.0%	77.5%	98.4%	98.4%	88.0%	88.3%	79
Butler	159	59.7%	57.9%	97.5%	96.9%	70.4%	76.5%	108
Caldwell	152	94.1%	92.1%	98.7%	98.7%	86.2%	93.9%	51
Calloway	382	94.2%	94.0%	96.1%	96.1%	95.0%	95.1%	44
Campbell	1,026	94.6%	94.2%	98.9%	98.7%	96.1%	96.5%	33
Carlisle	58	94.8%	94.8%	96.6%	96.6%	89.7%	94.5%	48
Carroll	139	69.8%	69.8%	95.7%	94.2%	75.5%	81.0%	100
Carter	333	98.8%	98.5%	99.7%	99.4%	98.8%	99.0%	8
Casey	164	95.1%	93.9%	98.8%	98.8%	97.0%	96.7%	32
Christian	778	74.9%	72.8%	99.1%	98.1%	86.6%	86.3%	88
Clark	444	62.2%	62.4%	97.5%	94.1%	73.4%	77.9%	105
Clay	288	78.8%	76.4%	96.5%	96.9%	85.1%	86.7%	84
Clinton	127	96.1%	95.3%	100.0%	100.0%	100.0%	98.3%	15
Crittenden	106	93.4%	96.2%	99.1%	100.0%	96.2%	97.0%	26
Cumberland	76	61.8%	56.6%	98.7%	100.0%	100.0%	83.4%	97
Daviess	1,263	93.0%	92.2%	99.0%	99.0%	93.3%	95.3%	43

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Edmonson	135	74.8%	74.1%	98.5%	98.5%	84.4%	86.1%	89
Elliott	84	92.9%	91.7%	100.0%	100.0%	92.9%	95.5%	41
Estill	176	77.8%	76.7%	97.7%	96.0%	84.7%	86.6%	85
Fayette	3,485	74.0%	72.1%	97.2%	97.2%	86.8%	85.5%	92
Fleming	198	99.0%	98.0%	100.0%	100.0%	97.0%	98.8%	9
Floyd	456	96.5%	96.9%	99.8%	99.6%	98.5%	98.2%	16
Franklin	587	56.2%	54.7%	91.7%	91.8%	67.5%	72.4%	113
Fulton	81	98.8%	98.8%	100.0%	100.0%	100.0%	99.5%	4
Gallatin	124	96.0%	96.0%	98.4%	98.4%	96.0%	96.9%	28
Garrard	213	81.2%	79.8%	99.5%	97.2%	84.0%	88.4%	78
Grant	339	77.6%	75.5%	96.2%	96.8%	86.7%	86.5%	87
Graves	459	84.7%	83.9%	93.2%	93.0%	87.4%	88.5%	77
Grayson	323	96.6%	96.0%	99.4%	99.4%	98.1%	97.9%	18
Green	122	96.7%	95.9%	97.5%	95.9%	97.5%	96.7%	31
Greenup	493	84.0%	82.8%	98.8%	98.4%	83.8%	89.5%	72
Hancock	125	96.8%	97.6%	99.2%	98.4%	96.0%	97.6%	22
Hardin	1135	87.8%	83.3%	99.5%	98.8%	91.5%	92.1%	64
Harlan	378	65.6%	63.8%	94.7%	93.9%	67.2%	77.0%	106
Harrison	235	83.4%	83.8%	96.2%	95.7%	82.1%	88.3%	80
Hart	148	98.0%	96.6%	98.0%	100.0%	93.9%	97.3%	24
Henderson	559	90.2%	92.7%	99.5%	99.3%	93.4%	95.0%	45
Henry	244	97.1%	97.5%	99.6%	99.2%	98.0%	98.3%	14
Hickman	44	90.9%	90.9%	100.0%	100.0%	90.9%	94.5%	47
Hopkins	553	90.4%	90.4%	96.9%	96.6%	94.4%	93.7%	55
Jackson	164	97.0%	96.3%	98.8%	98.8%	97.6%	97.7%	20
Jefferson	9,335	88.8%	88.0%	98.4%	98.2%	94.3%	93.5%	57
Jessamine	571	92.5%	93.0%	93.2%	96.0%	94.6%	93.8%	54
Johnson	318	81.1%	81.4%	98.1%	98.7%	84.9%	88.9%	75
Kenton	2,148	94.0%	93.0%	99.3%	99.3%	96.0%	96.3%	35
Knott	186	77.4%	75.8%	96.2%	95.2%	78.5%	84.6%	96

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Knox	399	62.7%	62.4%	95.7%	95.2%	68.9%	77.0%	107
Larue	166	74.7%	74.7%	98.2%	98.2%	77.7%	84.7%	94
Laurel	797	48.8%	48.7%	73.9%	94.9%	53.5%	63.9%	118
Lawrence	187	88.8%	88.8%	98.4%	98.4%	92.5%	93.4%	59
Lee	89	59.6%	57.3%	94.4%	94.4%	69.7%	75.1%	110
Leslie	166	69.3%	62.0%	98.8%	98.8%	72.9%	80.4%	101
Letcher	255	92.5%	88.2%	99.2%	98.0%	91.4%	93.9%	52
Lewis	144	97.2%	97.2%	100.0%	100.0%	98.6%	98.6%	11
Lincoln	284	88.4%	88.0%	99.3%	99.3%	85.9%	92.2%	63
Livingston	85	56.5%	55.3%	94.1%	95.3%	65.9%	73.4%	112
Logan	316	82.0%	80.7%	98.4%	98.7%	86.4%	89.2%	74
Lyon	65	81.5%	76.9%	98.5%	98.5%	80.0%	87.1%	82
Madison	944	89.7%	89.3%	98.4%	98.5%	92.7%	93.7%	56
Magoffin	156	50.6%	49.4%	98.7%	98.1%	59.0%	71.2%	115
Marion	251	85.3%	87.6%	97.6%	97.6%	99.2%	93.5%	58
Marshall	388	95.6%	95.4%	98.2%	97.4%	94.8%	96.3%	36
Martin	158	97.5%	97.5%	98.7%	100.0%	93.7%	97.5%	23
Mason	202	47.0%	45.5%	97.0%	97.0%	64.9%	70.3%	116
McCracken	755	91.5%	91.1%	98.9%	98.7%	93.9%	94.8%	46
McCreary	209	96.2%	90.0%	100.0%	99.5%	95.7%	96.3%	37
McLean	119	96.6%	96.6%	97.5%	97.5%	97.5%	97.1%	25
Meade	369	97.8%	97.8%	100.0%	100.0%	97.3%	98.6%	12
Menifee	89	84.3%	83.1%	100.0%	100.0%	88.8%	91.2%	66
Mercer	252	98.4%	99.6%	99.2%	100.0%	99.6%	99.4%	6
Metcalfe	115	82.6%	80.0%	98.3%	97.4%	89.6%	89.6%	71
Monroe	132	83.3%	83.3%	100.0%	100.0%	81.8%	89.7%	70
Montgomery	356	98.6%	81.5%	96.3%	98.3%	88.2%	92.6%	62
Morgan	157	92.4%	93.0%	100.0%	99.4%	96.2%	96.2%	38
Muhlenberg	360	86.9%	85.8%	98.9%	98.3%	86.7%	91.3%	65
Nelson	618	73.1%	73.1%	93.4%	96.4%	87.1%	84.6%	95

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Name in Alphabetical Order

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Nicholas	84	98.8%	94.0%	96.4%	96.4%	92.9%	95.7%	39
Ohio	284	68.3%	67.3%	94.7%	95.1%	72.2%	79.5%	102
Oldham	1,023	95.5%	95.4%	98.5%	98.3%	96.6%	96.9%	30
Owen	126	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%	21
Owsley	54	11.1%	11.1%	90.7%	92.6%	24.1%	45.9%	120
Pendleton	175	98.9%	99.4%	100.0%	98.9%	98.9%	99.2%	7
Perry	390	90.8%	90.5%	99.2%	99.0%	92.8%	94.5%	49
Pike	775	80.4%	80.4%	99.1%	98.8%	91.7%	90.1%	67
Powell	170	37.6%	37.6%	98.2%	98.2%	65.3%	67.4%	117
Pulaski	836	88.8%	88.4%	98.3%	98.7%	90.3%	92.9%	60
Robertson	27	92.6%	96.3%	96.3%	96.3%	96.3%	95.6%	40
Rockcastle	210	98.6%	99.5%	100.0%	100.0%	99.0%	99.4%	5
Rowan	246	54.1%	52.8%	99.2%	98.4%	68.7%	74.6%	111
Russell	213	98.1%	98.1%	99.5%	99.5%	98.1%	98.7%	10
Scott	695	68.6%	59.1%	89.6%	94.7%	67.2%	75.9%	109
Shelby	563	78.0%	76.7%	96.1%	97.0%	85.1%	86.6%	86
Simpson	227	90.3%	86.8%	97.4%	96.9%	92.5%	92.8%	61
Spencer	227	100.0%	100.0%	100.0%	99.6%	100.0%	99.9%	2
Taylor	315	80.3%	80.3%	98.4%	96.8%	85.4%	88.3%	81
Todd	153	69.3%	68.0%	95.4%	95.4%	77.8%	81.2%	99
Trigg	152	94.7%	92.8%	100.0%	100.0%	97.4%	97.0%	27
Trimble	105	99.0%	100.0%	100.0%	100.0%	100.0%	99.8%	3
Union	205	97.1%	98.5%	99.0%	99.0%	96.6%	98.0%	17
Warren	1,292	78.1%	73.9%	97.4%	97.6%	81.0%	85.6%	91
Washington	156	83.3%	79.5%	97.4%	96.2%	90.4%	89.4%	73
Wayne	265	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Webster	175	69.7%	70.3%	89.7%	90.9%	73.1%	78.7%	104
Whitley	614	74.3%	75.2%	98.2%	98.0%	79.0%	85.0%	93
Wolfe	91	52.7%	52.7%	98.9%	97.8%	56.0%	71.6%	114
Woodford	357	96.6%	96.1%	99.2%	99.4%	97.5%	97.8%	19

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Wayne	265	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Spencer	227	100.0%	100.0%	100.0%	99.6%	100.0%	99.9%	2
Trimble	105	99.0%	100.0%	100.0%	100.0%	100.0%	99.8%	3
Fulton	81	98.8%	98.8%	100.0%	100.0%	100.0%	99.5%	4
Rockcastle	210	98.6%	99.5%	100.0%	100.0%	99.0%	99.4%	5
Mercer	252	98.4%	99.6%	99.2%	100.0%	99.6%	99.4%	6
Pendleton	175	98.9%	99.4%	100.0%	98.9%	98.9%	99.2%	7
Carter	333	98.8%	98.5%	99.7%	99.4%	98.8%	99.0%	8
Fleming	198	99.0%	98.0%	100.0%	100.0%	97.0%	98.8%	9
Russell	213	98.1%	98.1%	99.5%	99.5%	98.1%	98.7%	10
Lewis	144	97.2%	97.2%	100.0%	100.0%	98.6%	98.6%	11
Meade	369	97.8%	97.8%	100.0%	100.0%	97.3%	98.6%	12
Ballard	105	98.1%	97.1%	100.0%	100.0%	97.1%	98.5%	13
Henry	244	97.1%	97.5%	99.6%	99.2%	98.0%	98.3%	14
Clinton	127	96.1%	95.3%	100.0%	100.0%	100.0%	98.3%	15
Floyd	456	96.5%	96.9%	99.8%	99.6%	98.5%	98.2%	16
Union	205	97.1%	98.5%	99.0%	99.0%	96.6%	98.0%	17
Grayson	323	96.6%	96.0%	99.4%	99.4%	98.1%	97.9%	18
Woodford	357	96.6%	96.1%	99.2%	99.4%	97.5%	97.8%	19
Jackson	164	97.0%	96.3%	98.8%	98.8%	97.6%	97.7%	20
Owen	126	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%	21
Hancock	125	96.8%	97.6%	99.2%	98.4%	96.0%	97.6%	22
Martin	158	97.5%	97.5%	98.7%	100.0%	93.7%	97.5%	23
Hart	148	98.0%	96.6%	98.0%	100.0%	93.9%	97.3%	24
McLean	119	96.6%	96.6%	97.5%	97.5%	97.5%	97.1%	25
Crittenden	106	93.4%	96.2%	99.1%	100.0%	96.2%	97.0%	26
Trigg	152	94.7%	92.8%	100.0%	100.0%	97.4%	97.0%	27
Gallatin	124	96.0%	96.0%	98.4%	98.4%	96.0%	96.9%	28
Boone	1,911	95.8%	95.1%	98.7%	98.5%	96.3%	96.9%	29
Oldham	1,023	95.5%	95.4%	98.5%	98.3%	96.6%	96.9%	30

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Green	122	96.7%	95.9%	97.5%	95.9%	97.5%	96.7%	31
Casey	164	95.1%	93.9%	98.8%	98.8%	97.0%	96.7%	32
Campbell	1,026	94.6%	94.2%	98.9%	98.7%	96.1%	96.5%	33
Breckinridge	261	95.4%	94.6%	99.2%	97.7%	95.4%	96.5%	34
Kenton	2,148	94.0%	93.0%	99.3%	99.3%	96.0%	96.3%	35
Marshall	388	95.6%	95.4%	98.2%	97.4%	94.8%	96.3%	36
McCreary	209	96.2%	90.0%	100.0%	99.5%	95.7%	96.3%	37
Morgan	157	92.4%	93.0%	100.0%	99.4%	96.2%	96.2%	38
Nicholas	84	98.8%	94.0%	96.4%	96.4%	92.9%	95.7%	39
Robertson	27	92.6%	96.3%	96.3%	96.3%	96.3%	95.6%	40
Elliott	84	92.9%	91.7%	100.0%	100.0%	92.9%	95.5%	41
Allen	239	97.1%	89.5%	97.5%	98.3%	94.1%	95.3%	42
Daviess	1,263	93.0%	92.2%	99.0%	99.0%	93.3%	95.3%	43
Calloway	382	94.2%	94.0%	96.1%	96.1%	95.0%	95.1%	44
Henderson	559	90.2%	92.7%	99.5%	99.3%	93.4%	95.0%	45
McCracken	755	91.5%	91.1%	98.9%	98.7%	93.9%	94.8%	46
Hickman	44	90.9%	90.9%	100.0%	100.0%	90.9%	94.5%	47
Carlisle	58	94.8%	94.8%	96.6%	96.6%	89.7%	94.5%	48
Perry	390	90.8%	90.5%	99.2%	99.0%	92.8%	94.5%	49
Anderson	296	96.6%	88.2%	96.6%	96.6%	92.6%	94.1%	50
Caldwell	152	94.1%	92.1%	98.7%	98.7%	86.2%	93.9%	51
Letcher	255	92.5%	88.2%	99.2%	98.0%	91.4%	93.9%	52
Adair	218	93.1%	89.4%	98.2%	97.2%	91.3%	93.9%	53
Jessamine	571	92.5%	93.0%	93.2%	96.0%	94.6%	93.8%	54
Hopkins	553	90.4%	90.4%	96.9%	96.6%	94.4%	93.7%	55
Madison	944	89.7%	89.3%	98.4%	98.5%	92.7%	93.7%	56
Jefferson	9,335	88.8%	88.0%	98.4%	98.2%	94.3%	93.5%	57
Marion	251	85.3%	87.6%	97.6%	97.6%	99.2%	93.5%	58
Lawrence	187	88.8%	88.8%	98.4%	98.4%	92.5%	93.4%	59
Pulaski	836	88.8%	88.4%	98.3%	98.7%	90.3%	92.9%	60

2014-2015 Annual School Immunization Survey--Sixth Grade Results

Sorted by County Ranking from Highest to Lowest

County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Simpson	227	90.3%	86.8%	97.4%	96.9%	92.5%	92.8%	61
Montgomery	356	98.6%	81.5%	96.3%	98.3%	88.2%	92.6%	62
Lincoln	284	88.4%	88.0%	99.3%	99.3%	85.9%	92.2%	63
Hardin	1135	87.8%	83.3%	99.5%	98.8%	91.5%	92.1%	64
Muhlenberg	360	86.9%	85.8%	98.9%	98.3%	86.7%	91.3%	65
Menifee	89	84.3%	83.1%	100.0%	100.0%	88.8%	91.2%	66
Pike	775	80.4%	80.4%	99.1%	98.8%	91.7%	90.1%	67
Bourbon	233	83.7%	83.3%	98.3%	99.6%	85.0%	90.0%	68
Boyle	368	97.0%	76.4%	95.4%	98.1%	82.1%	89.8%	69
Monroe	132	83.3%	83.3%	100.0%	100.0%	81.8%	89.7%	70
Metcalfe	115	82.6%	80.0%	98.3%	97.4%	89.6%	89.6%	71
Greenup	493	84.0%	82.8%	98.8%	98.4%	83.8%	89.5%	72
Washington	156	83.3%	79.5%	97.4%	96.2%	90.4%	89.4%	73
Logan	316	82.0%	80.7%	98.4%	98.7%	86.4%	89.2%	74
Johnson	318	81.1%	81.4%	98.1%	98.7%	84.9%	88.9%	75
Bracken	125	85.6%	82.4%	97.6%	90.4%	88.0%	88.8%	76
Graves	459	84.7%	83.9%	93.2%	93.0%	87.4%	88.5%	77
Garrard	213	81.2%	79.8%	99.5%	97.2%	84.0%	88.4%	78
Bullitt	1,079	79.0%	77.5%	98.4%	98.4%	88.0%	88.3%	79
Harrison	235	83.4%	83.8%	96.2%	95.7%	82.1%	88.3%	80
Taylor	315	80.3%	80.3%	98.4%	96.8%	85.4%	88.3%	81
Lyon	65	81.5%	76.9%	98.5%	98.5%	80.0%	87.1%	82
Barren	518	82.2%	82.0%	90.9%	91.1%	88.6%	87.0%	83
Clay	288	78.8%	76.4%	96.5%	96.9%	85.1%	86.7%	84
Estill	176	77.8%	76.7%	97.7%	96.0%	84.7%	86.6%	85
Shelby	563	78.0%	76.7%	96.1%	97.0%	85.1%	86.6%	86
Grant	339	77.6%	75.5%	96.2%	96.8%	86.7%	86.5%	87
Christian	778	74.9%	72.8%	99.1%	98.1%	86.6%	86.3%	88
Edmonson	135	74.8%	74.1%	98.5%	98.5%	84.4%	86.1%	89
Boyd	572	78.1%	77.4%	97.2%	96.9%	79.9%	85.9%	90

2014-2015 Annual School Immunization Survey--Sixth Grade Results

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County	Total # of Students	Tdap	MCV	3 HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	54,358	84.5%	83.1%	97.4%	97.7%	88.8%	90.3%	
Warren	1,292	78.1%	73.9%	97.4%	97.6%	81.0%	85.6%	91
Fayette	3,485	74.0%	72.1%	97.2%	97.2%	86.8%	85.5%	92
Whitley	614	74.3%	75.2%	98.2%	98.0%	79.0%	85.0%	93
Larue	166	74.7%	74.7%	98.2%	98.2%	77.7%	84.7%	94
Nelson	618	73.1%	73.1%	93.4%	96.4%	87.1%	84.6%	95
Knott	186	77.4%	75.8%	96.2%	95.2%	78.5%	84.6%	96
Cumberland	76	61.8%	56.6%	98.7%	100.0%	100.0%	83.4%	97
Bath	158	58.9%	58.9%	98.1%	98.1%	98.1%	82.4%	98
Todd	153	69.3%	68.0%	95.4%	95.4%	77.8%	81.2%	99
Carroll	139	69.8%	69.8%	95.7%	94.2%	75.5%	81.0%	100
Leslie	166	69.3%	62.0%	98.8%	98.8%	72.9%	80.4%	101
Ohio	284	68.3%	67.3%	94.7%	95.1%	72.2%	79.5%	102
Breathitt	194	68.0%	64.4%	97.4%	93.8%	73.7%	79.5%	103
Webster	175	69.7%	70.3%	89.7%	90.9%	73.1%	78.7%	104
Clark	444	62.2%	62.4%	97.5%	94.1%	73.4%	77.9%	105
Harlan	378	65.6%	63.8%	94.7%	93.9%	67.2%	77.0%	106
Knox	399	62.7%	62.4%	95.7%	95.2%	68.9%	77.0%	107
Butler	159	59.7%	57.9%	97.5%	96.9%	70.4%	76.5%	108
Scott	695	68.6%	59.1%	89.6%	94.7%	67.2%	75.9%	109
Lee	89	59.6%	57.3%	94.4%	94.4%	69.7%	75.1%	110
Rowan	246	54.1%	52.8%	99.2%	98.4%	68.7%	74.6%	111
Livingston	85	56.5%	55.3%	94.1%	95.3%	65.9%	73.4%	112
Franklin	587	56.2%	54.7%	91.7%	91.8%	67.5%	72.4%	113
Wolfe	91	52.7%	52.7%	98.9%	97.8%	56.0%	71.6%	114
Magoffin	156	50.6%	49.4%	98.7%	98.1%	59.0%	71.2%	115
Mason	202	47.0%	45.5%	97.0%	97.0%	64.9%	70.3%	116
Powell	170	37.6%	37.6%	98.2%	98.2%	65.3%	67.4%	117
Laurel	797	48.8%	48.7%	73.9%	94.9%	53.5%	63.9%	118
Bell	380	30.0%	28.4%	91.8%	91.3%	46.6%	57.6%	119
Owsley	54	11.1%	11.1%	90.7%	92.6%	24.1%	45.9%	120

APPENDIX F

Immunization Staff and Survey Contacts at LHDs

Kentucky Immunization Program, Frankfort Staff

Kentucky Immunization Program, Field Staff

Local Health Department Contacts for the Survey

Kentucky Immunization Program
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Department for Public Health
Cabinet for Health and Family Services

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Kentucky Immunization Central Program Staff

(Current as of June 2016)

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Administrative Assistant: **LaKeta Ritchie**

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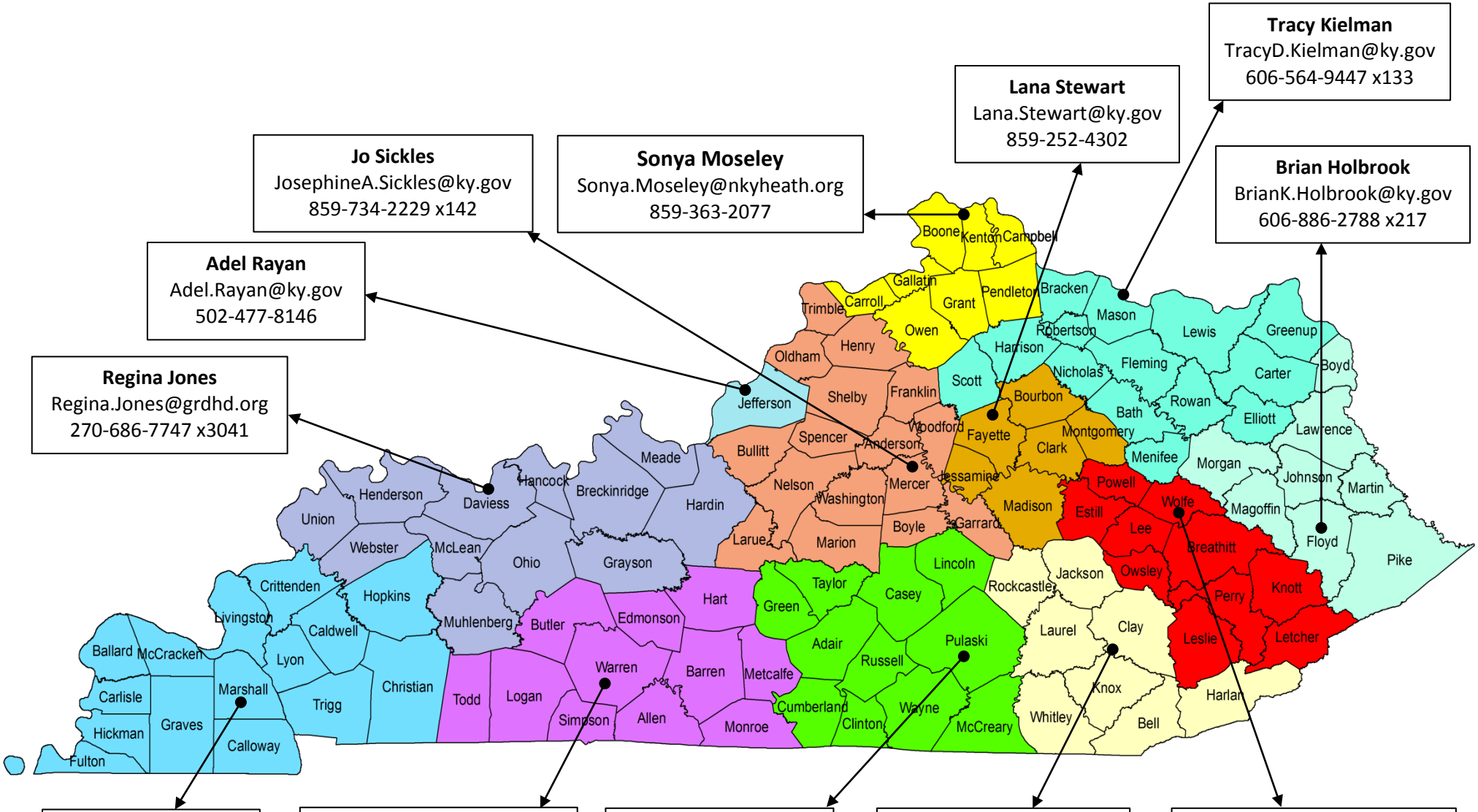
2016 Kentucky Immunization Program Field Staff Map



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Kentucky Annual School Immunization Survey, 2014 – 2015
Kentucky Immunization Program

Updated 6/06/2016

Local Health Department Contacts for the 2014-2015 Annual School Immunization Survey

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Cheri Johnson, Anderson County Health Department
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Amy Mains, Bracken County Health Department
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Rita Thorn, Graves County Health Center
Gigi Meredith, Grayson County Health Center
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Connie Wilburn, Greenup County Health Department
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Georgia McIntosh, Trigg County Health Center
Bonita Scholey, Trimble County Health Center
Donna Metheny, Union County Health Center
Jennifer Davis, Warren County Health Center
Fay Delcamp, Wayne County Health Center
Terra Beck, Webster County Health Center
Tamara Phelps, Whitley County Health Department
Melanie Linkous, Wolfe County Health Center
Deborah Lefevers, Woodford County Health Department