

DHEC Update

January 20, 2024

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SC Department of Health and Environmental Control

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2024 SCAAP CATCH MEETING

Learning Objectives

At the conclusion of this presentation, learners will be able to:

- Explain respiratory disease outbreak epidemiology in SC amongst the pediatric population
- Articulate the trends of religious vaccine exemptions in SC and their potential sequelae
- Recognize the possible impact of vaccine access on school attendance

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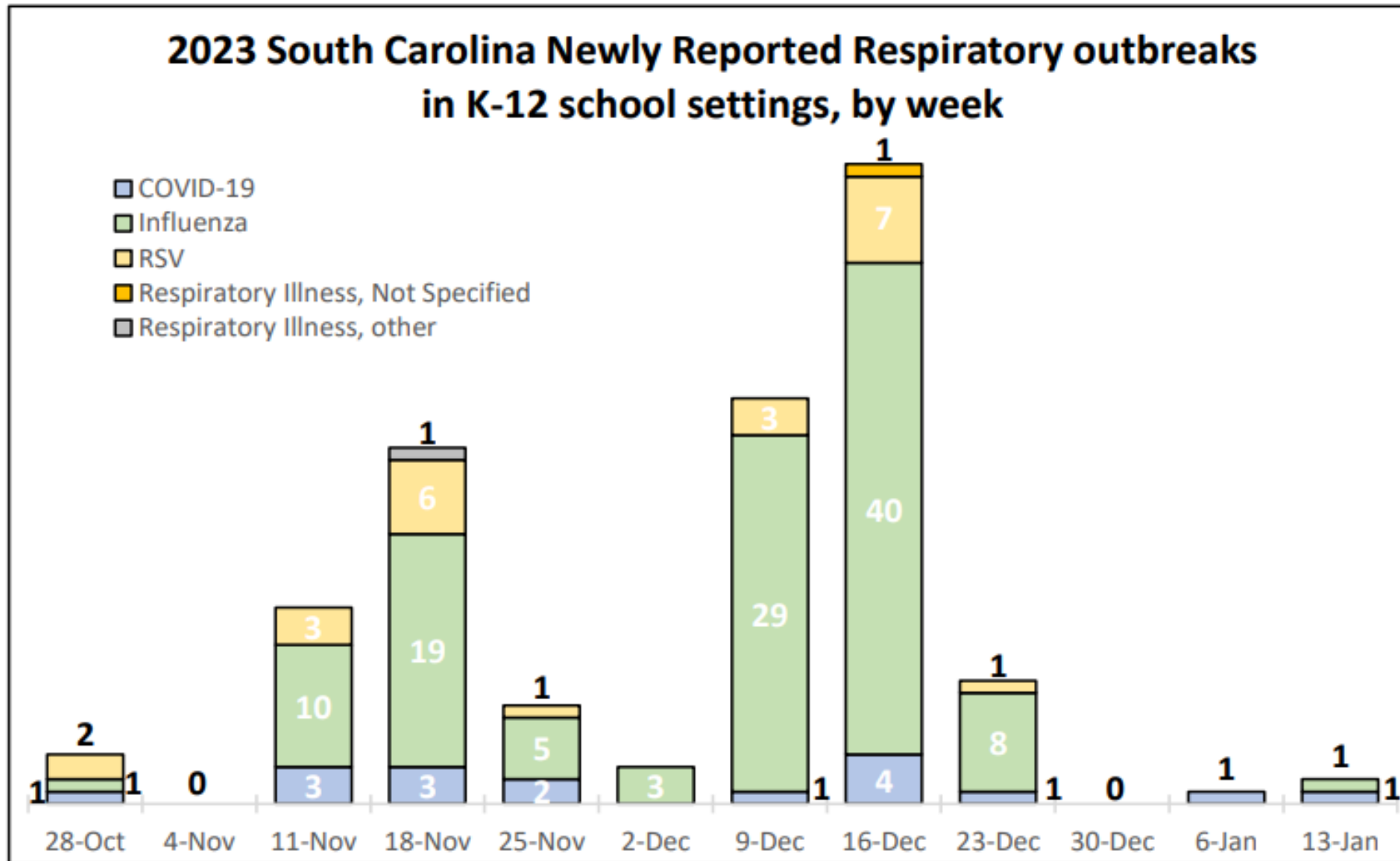
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SC Pediatric Respiratory Disease Outbreak



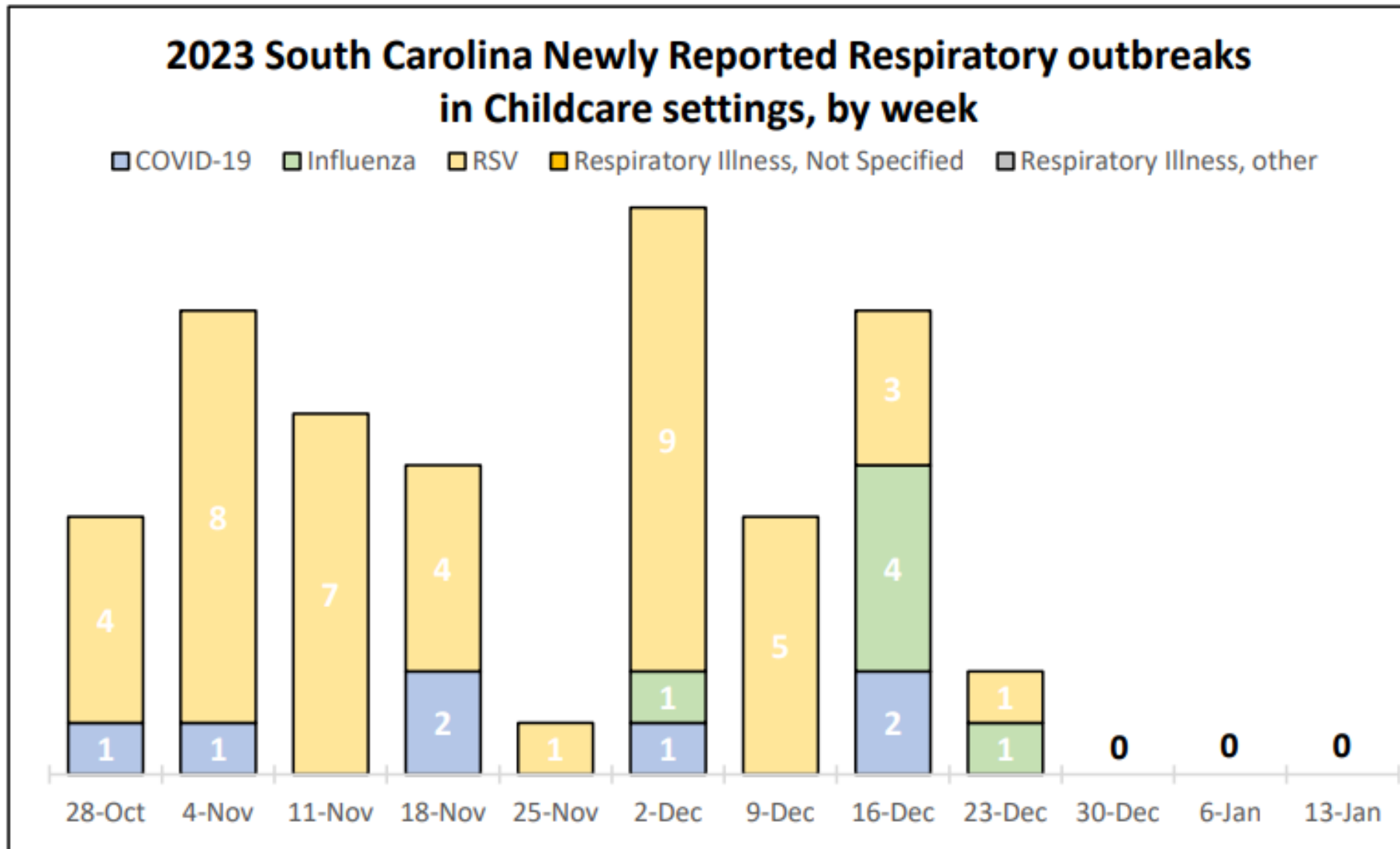
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SC Pediatric Respiratory Disease Outbreak



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SC Flu Hospitalizations and Death 23/24

Influenza-Associated Hospitalizations by Age Group*						
Influenza Season	No. of Hospitalizations (Rate)					
	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	305(6.0)	8(2.8)	6(0.7)	38(1.9)	87(8.6)	166(18.4)
2023-24	3272(64.4)	114(39.9)	130(15.8)	613(29.8)	848(84.1)	1567(173.8)
2022-23	2791(58.5)	78(27.3)	112(13.6)	501(24.3)	624(61.9)	1476(163.7)
2021-22	240(4.7)	22(7.7)	11(1.3)	50(2.4)	34(3.4)	123(13.6)
5 season average	951(18.7)	40(14.0)	41(5.0)	178(8.6)	228(22.6)	464(51.5)

Influenza-Associated Deaths by Age Group*						
Influenza Season	No. of Deaths (Rate)					
	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	11(0.2)	--	--	--	2(0.3)	9(0.9)
2023-24	71(1.4)	--	2(0.2)	8(0.4)	13(1.4)	48(5.2)
2022-23	121(2.4)	--	5(0.6)	6(0.3)	25(2.5)	85(9.4)
2021-22	10(0.2)	--	--	1(0.0)	2(0.2)	7(0.8)
5 season average	40(0.8)	--	1(0.1)	3(0.1)	9(0.9)	27(3.0)

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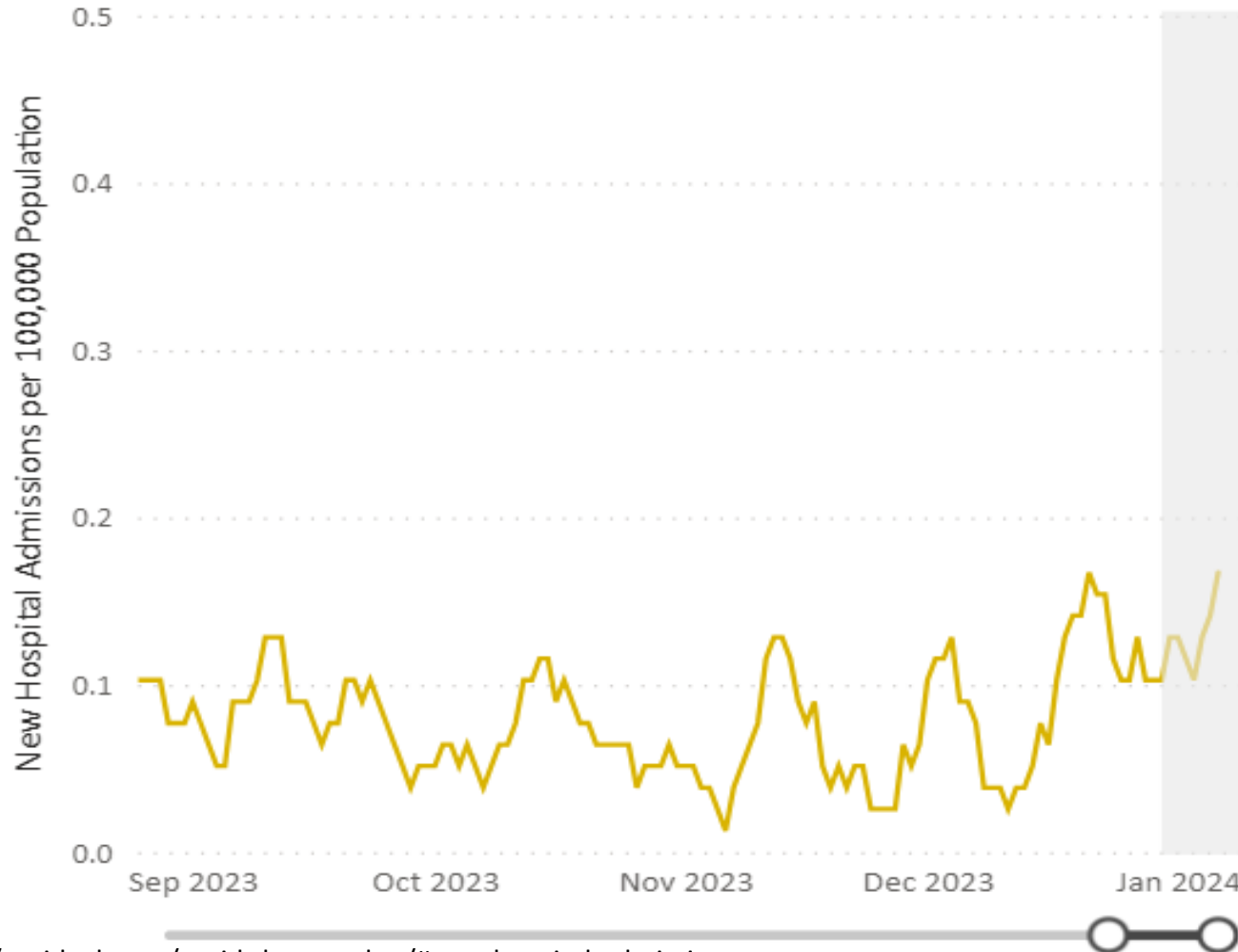
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New Hospital Admissions of Patients with Confirmed COVID-19 in SC

South Carolina | 0 - 17 Years



2

Previous Week 7-Day Average
Dec 31, 2023 - Jan 06, 2024

1

Prior 7-Day Average
Dec 24, 2023 - Dec 30, 2023

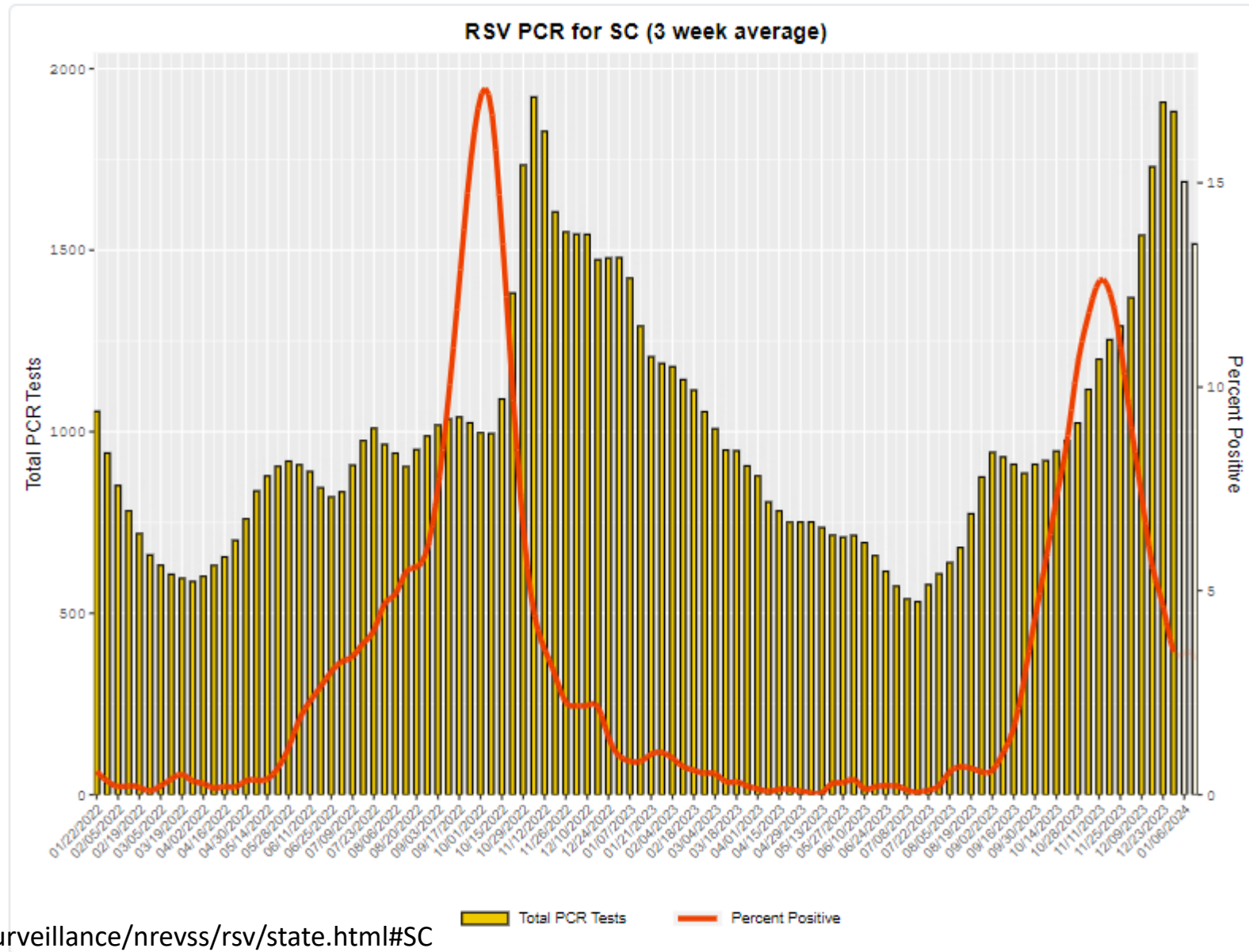
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SC RSV PCR Results 1/2022-1/2024



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<https://www.cdc.gov/surveillance/nrevss/rsv/state.html#SC>

SC Pediatric Respiratory Disease Vaccine Data

Nirsevimab Supply and Recommendations

- COCA Now report released 1/05/2024 communicated **recent increase in nirsevimab supply** and the manufacturers' plan to release an additional 230,000 doses in January.



Updated Guidance for Healthcare Providers on Increased Supply of Nirsevimab to Protect Young Children from Severe Respiratory Syncytial Virus (RSV) during the 2023–2024 Respiratory Virus Season

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<https://emergency.cdc.gov/newsletters/coca/2024/010524a.html>

SC Pediatric Respiratory Disease Vaccine Data

Nirsevimab Supply and Recommendations

- CDC advises healthcare providers to return to recommendations put forward by CDC and the Advisory Committee on Immunization Practices (ACIP) on use of nirsevimab in young children.
- Administer a single dose of nirsevimab to all infants aged less than 8 months, as well as children aged 8 through 19 months at increased risk.

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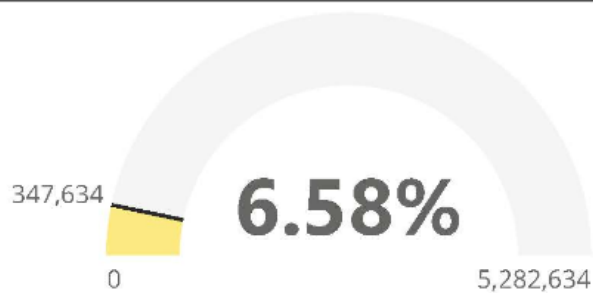
<https://emergency.cdc.gov/newsletters/coca/2024/010524a.html>

SC Pediatric Respiratory Vaccination Rates

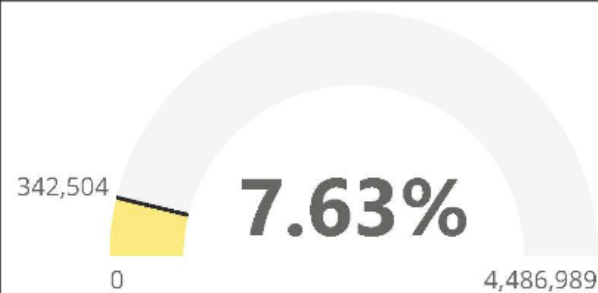
COVID-19 Vaccination Among Eligible Residents by Population

Data as of 11:59 pm on 01/13/2024

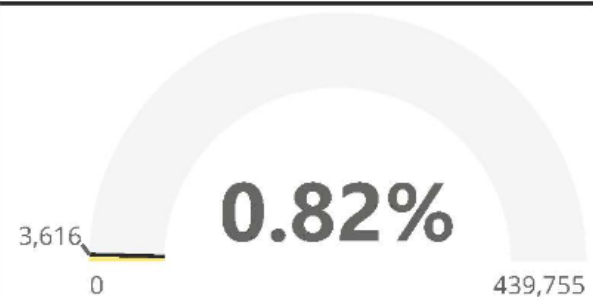
All Eligible Residents with 2023-2024 Updated Vaccine Doses



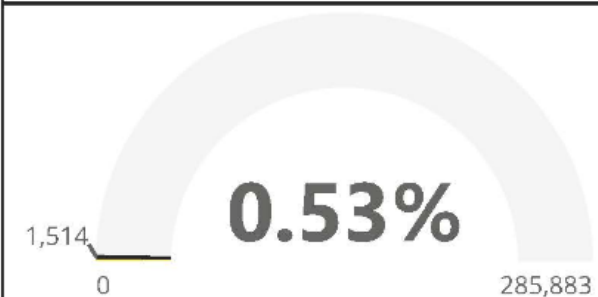
Residents Aged 12 and Older with 2023-2024 Updated Vaccine Doses



Children Aged 5-11 with 2023-2024 Updated Vaccine Doses



Children Aged Under 5 with 2023-2024 Updated Vaccine Doses



- About 1% of children between age 6 months and 17 years of age,
- 4% of adults 18-64 years of age, and
- 22% of elderly adults 65 years and older received the updated 2023-2024 COVID-19 Vaccine

<https://scdhec.gov/covid19/covid-19-data>

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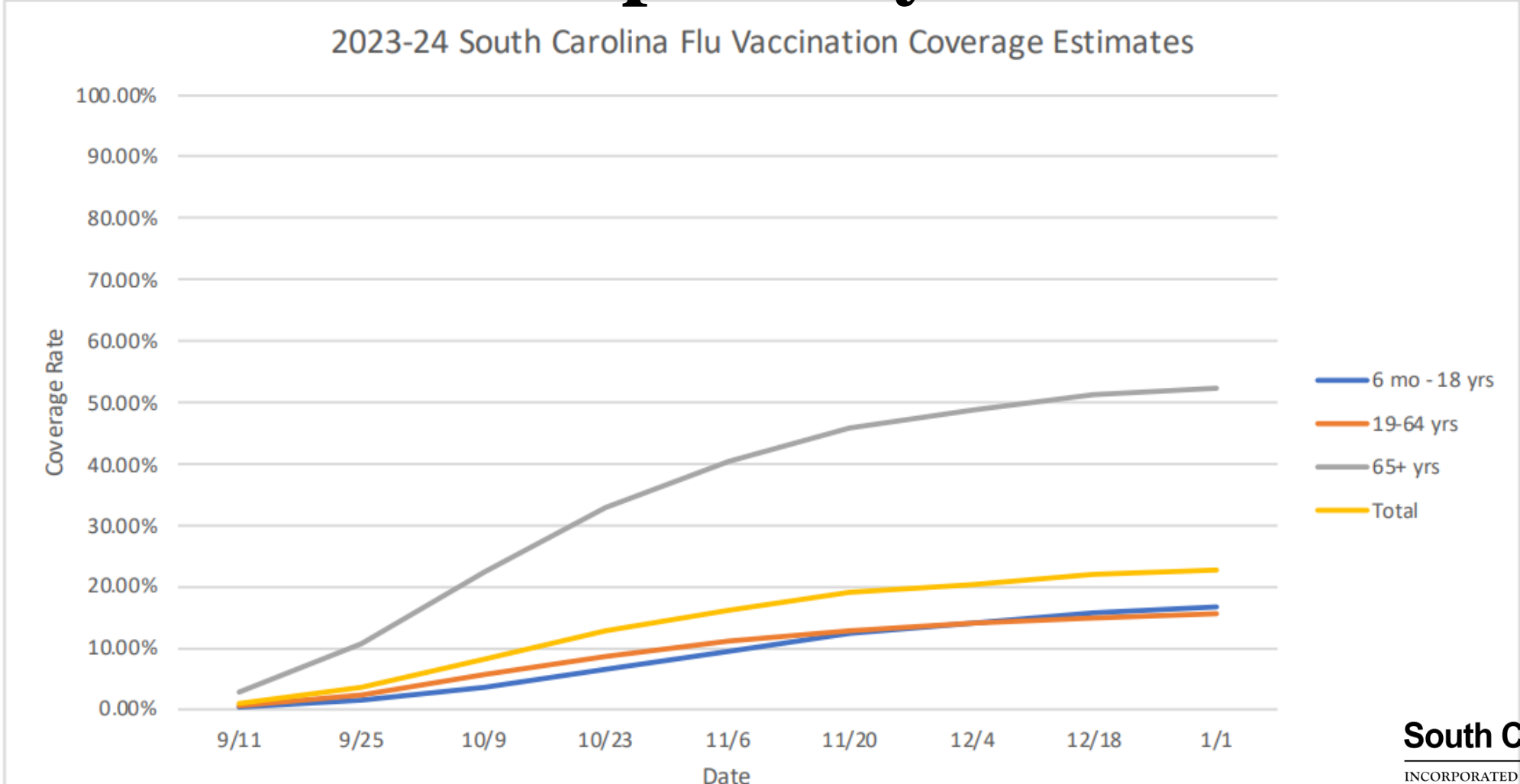
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SC Pediatric Respiratory Vaccination Rates



Age Group	9/11	9/25	10/9	10/23	11/6	11/20	12/4	12/18	1/1
6 mo - 18 yrs	0.36%	1.47%	3.46%	6.56%	9.54%	12.24%	13.97%	15.67%	16.69%
19-64 yrs	0.36%	1.47%	3.46%	6.56%	9.54%	12.24%	13.97%	15.67%	16.69%
65+ yrs	0.36%	1.47%	3.46%	6.56%	9.54%	12.24%	13.97%	15.67%	16.69%
Total	0.36%	1.47%	3.46%	6.56%	9.54%	12.24%	13.97%	15.67%	16.69%

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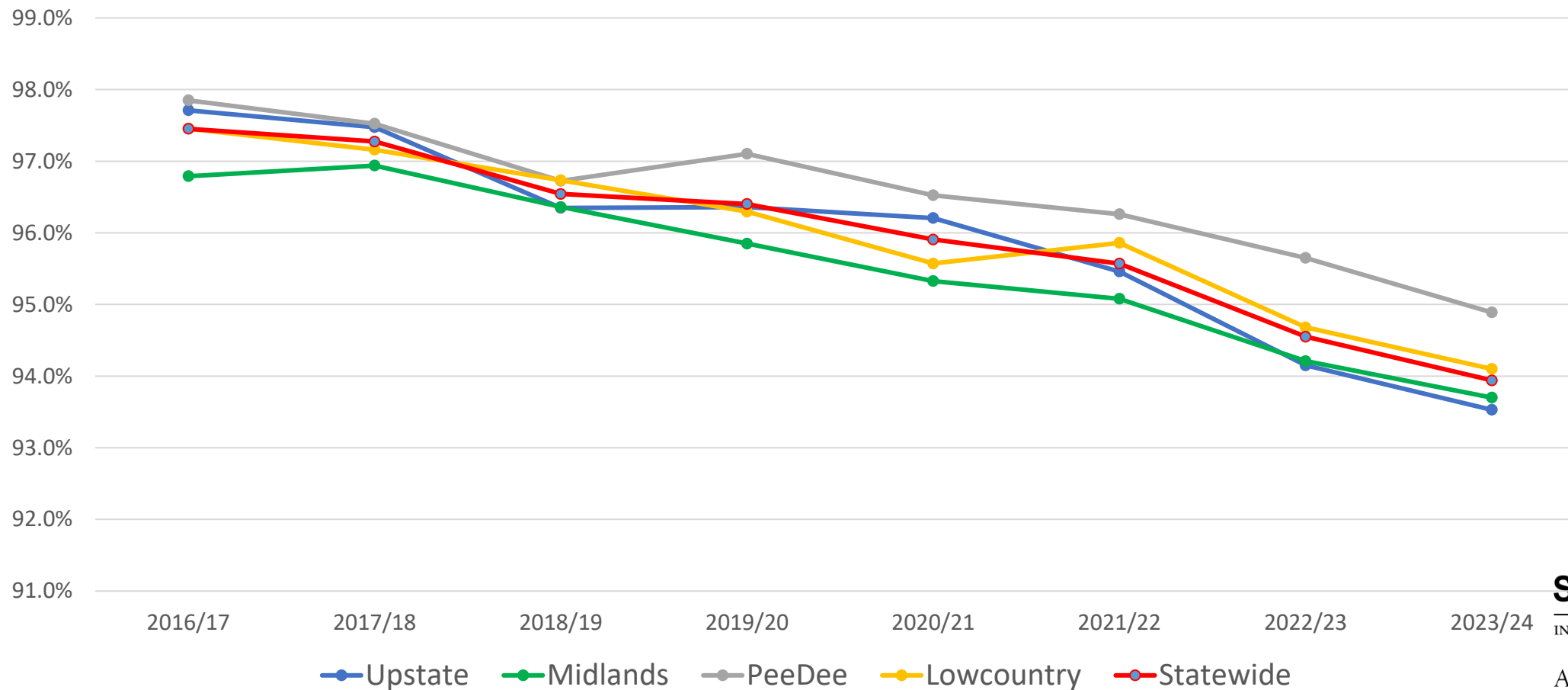
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<https://scdh.ec.gov/health/flu/flu-watch-data-reports-maps/biweekly-flu-vaccination-data>

SC Religious Exemption Trends

School Required Immunization Rates in South Carolina, 2016/17-2023/24



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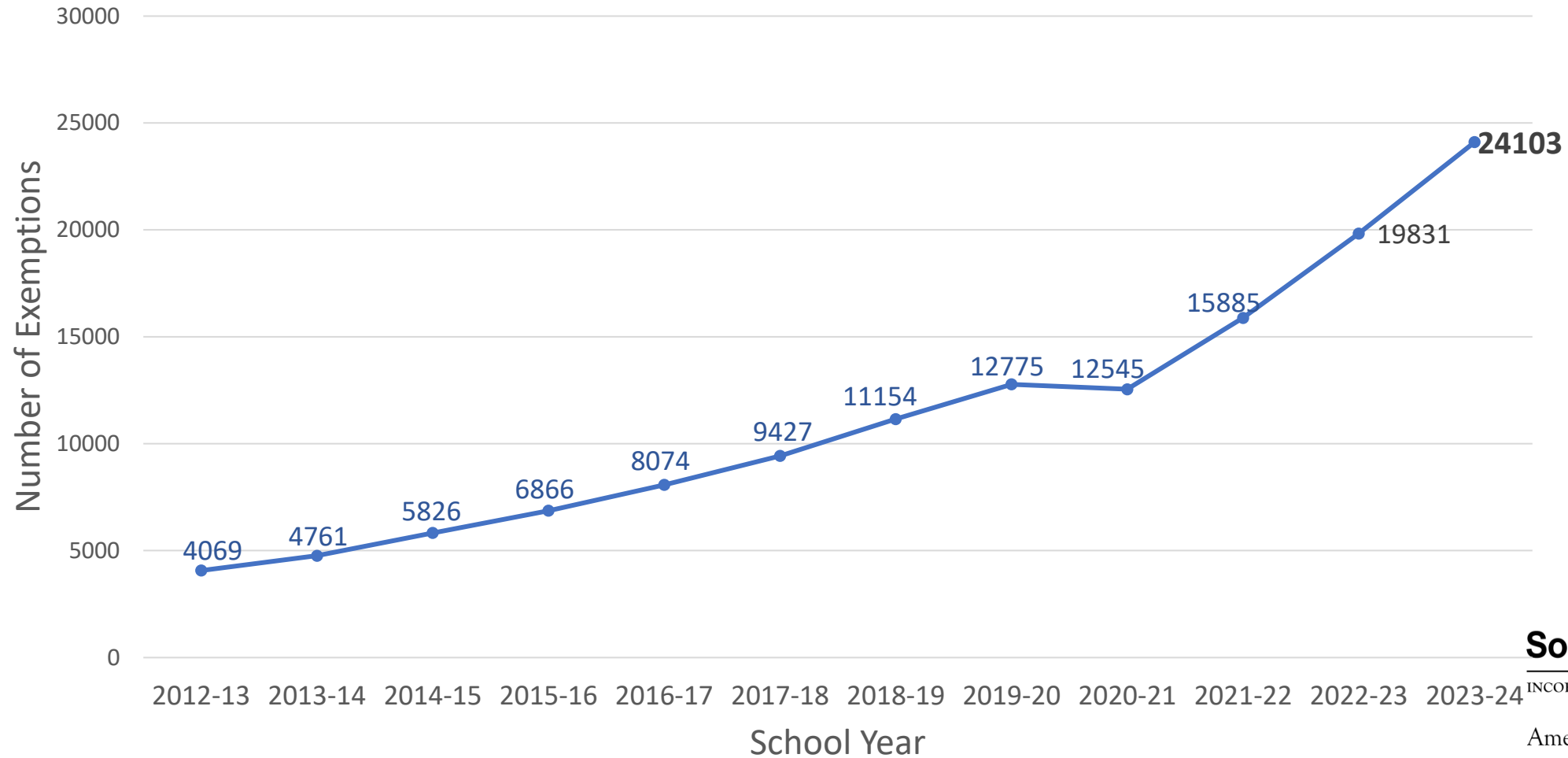
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SC Religious Exemption Trends

Number of Student Religious Exemptions in SC, 2012/13-2023/24



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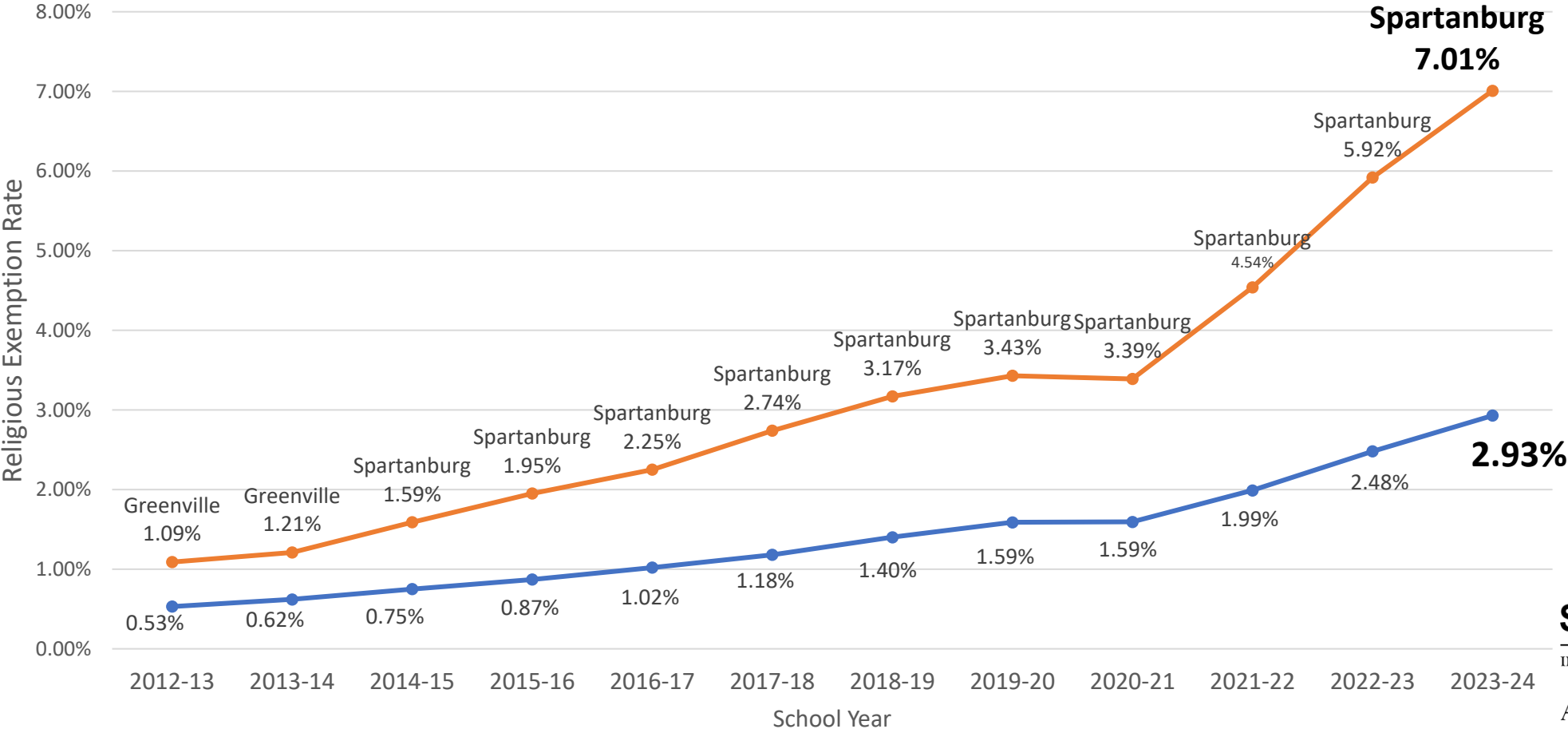
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SC Religious Exemption Trends

SC and Highest County K12 School Religious Exemption Rates, 2012/13-2023/24



Data Source: DHEC School Summary of Student Immunization Status (45 Day Report)

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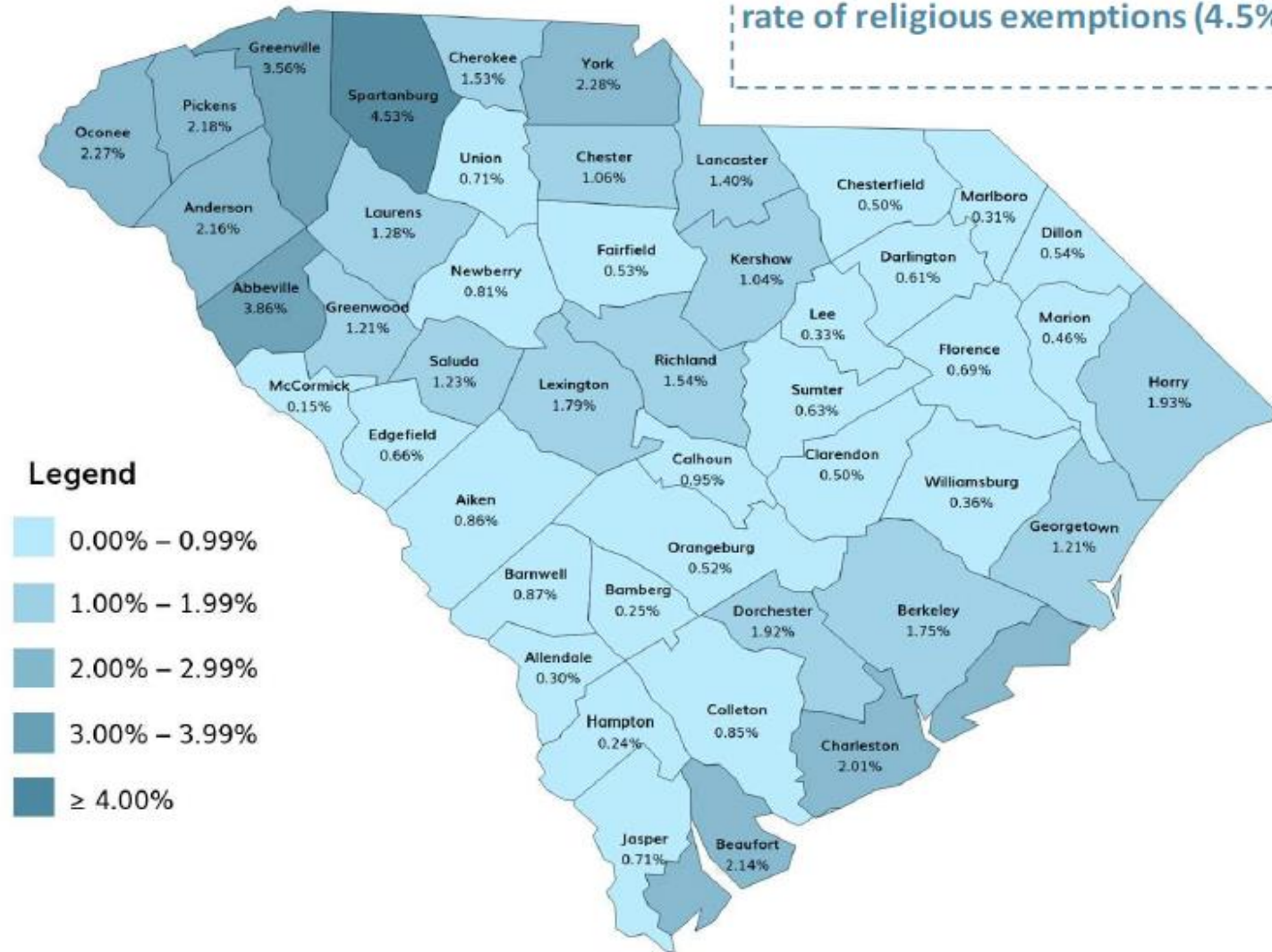
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K12 School Religious Exemptions for Vaccinations, by County

Percent

Spartanburg County sees the highest rate of religious exemptions (4.5%)



Legend

- 0.00% – 0.99%
- 1.00% – 1.99%
- 2.00% – 2.99%
- 3.00% – 3.99%
- ≥ 4.00%

Source: DHEC School Summary of Student Immunization Status (45 Day Report)

Note: For the 2021-2022 school year

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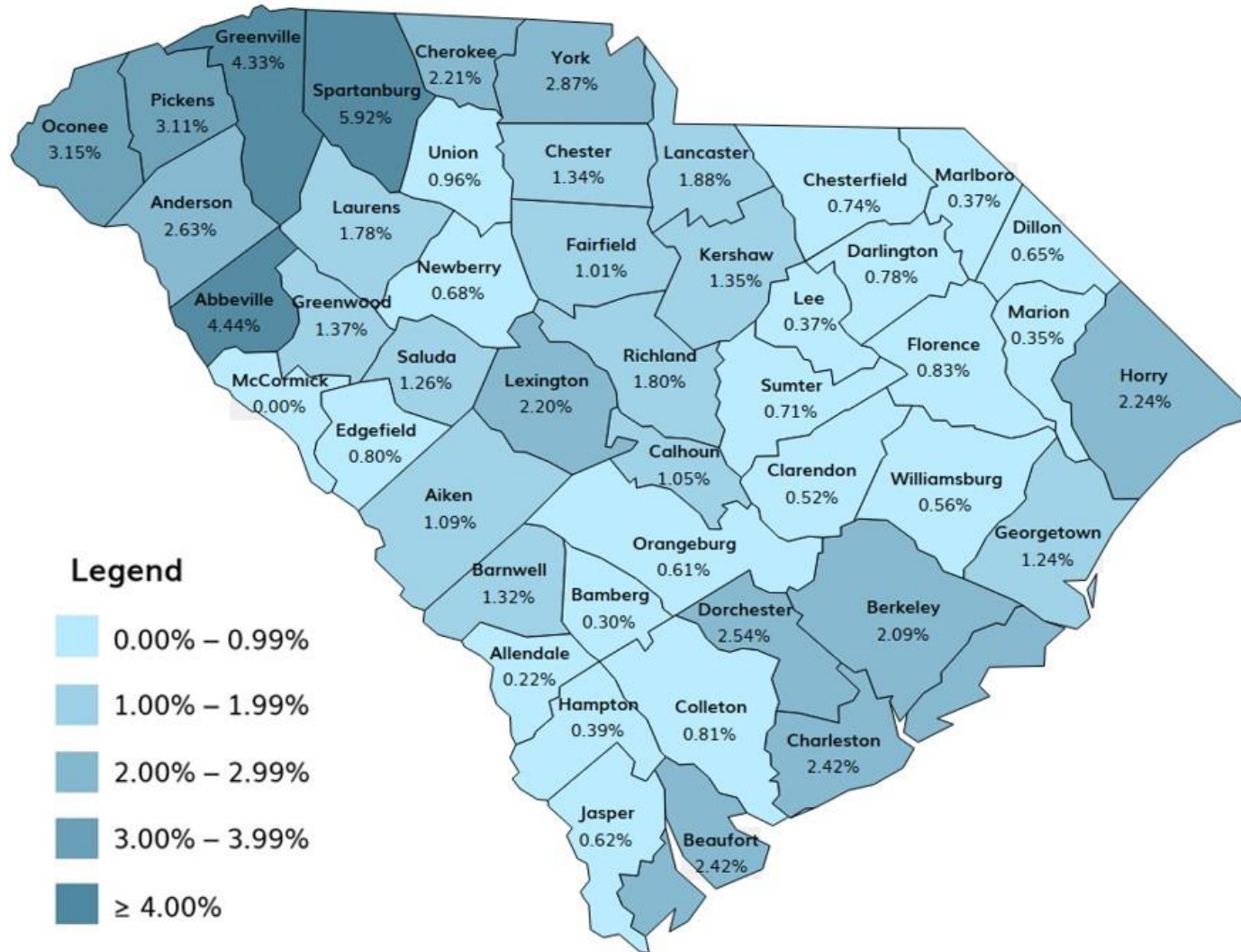
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Religious Exemption rate by SC County, 2022 -2023



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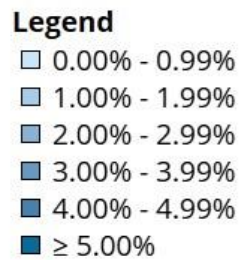
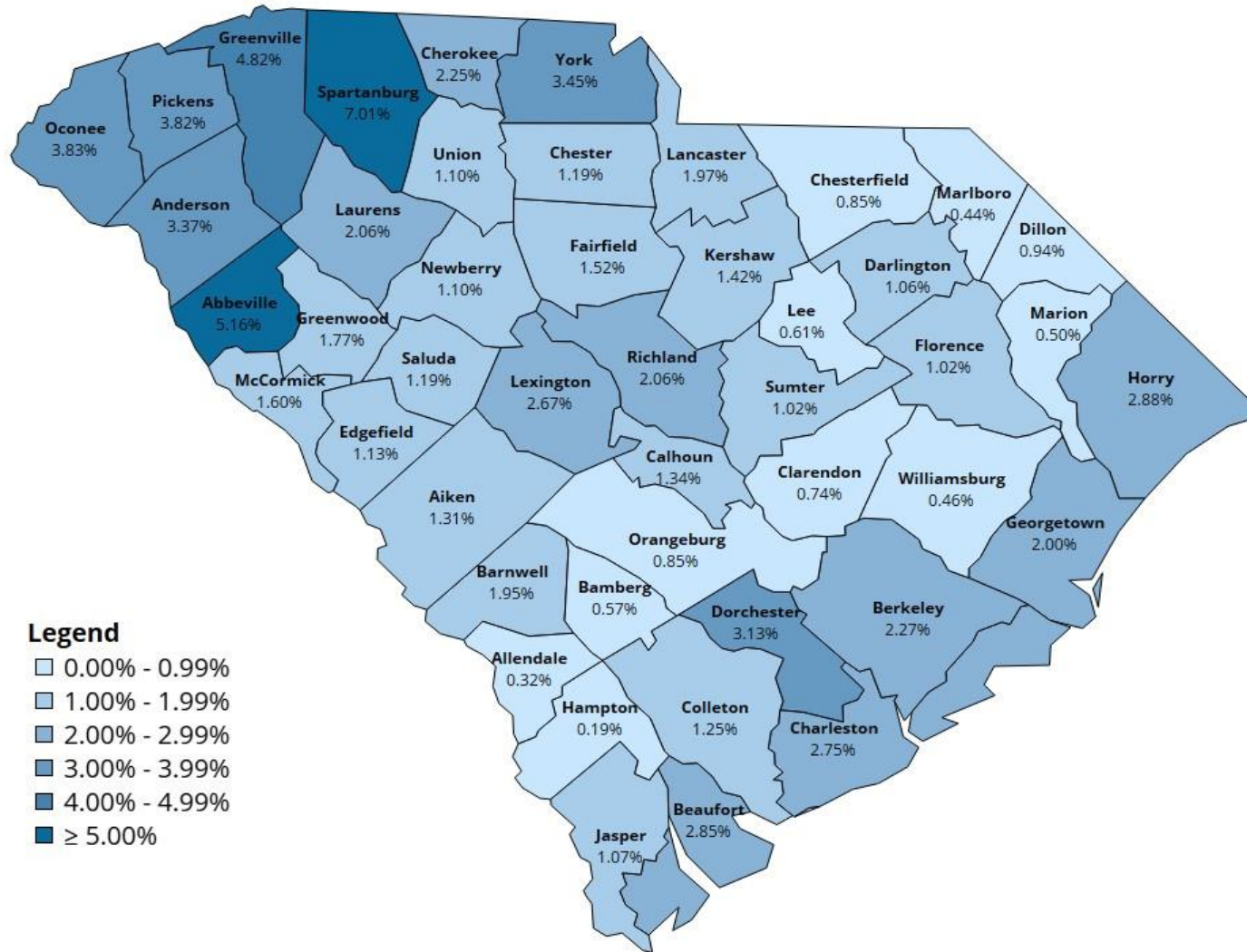
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Religious Exemptions in K-12 Schools, 2023-2024

Percent



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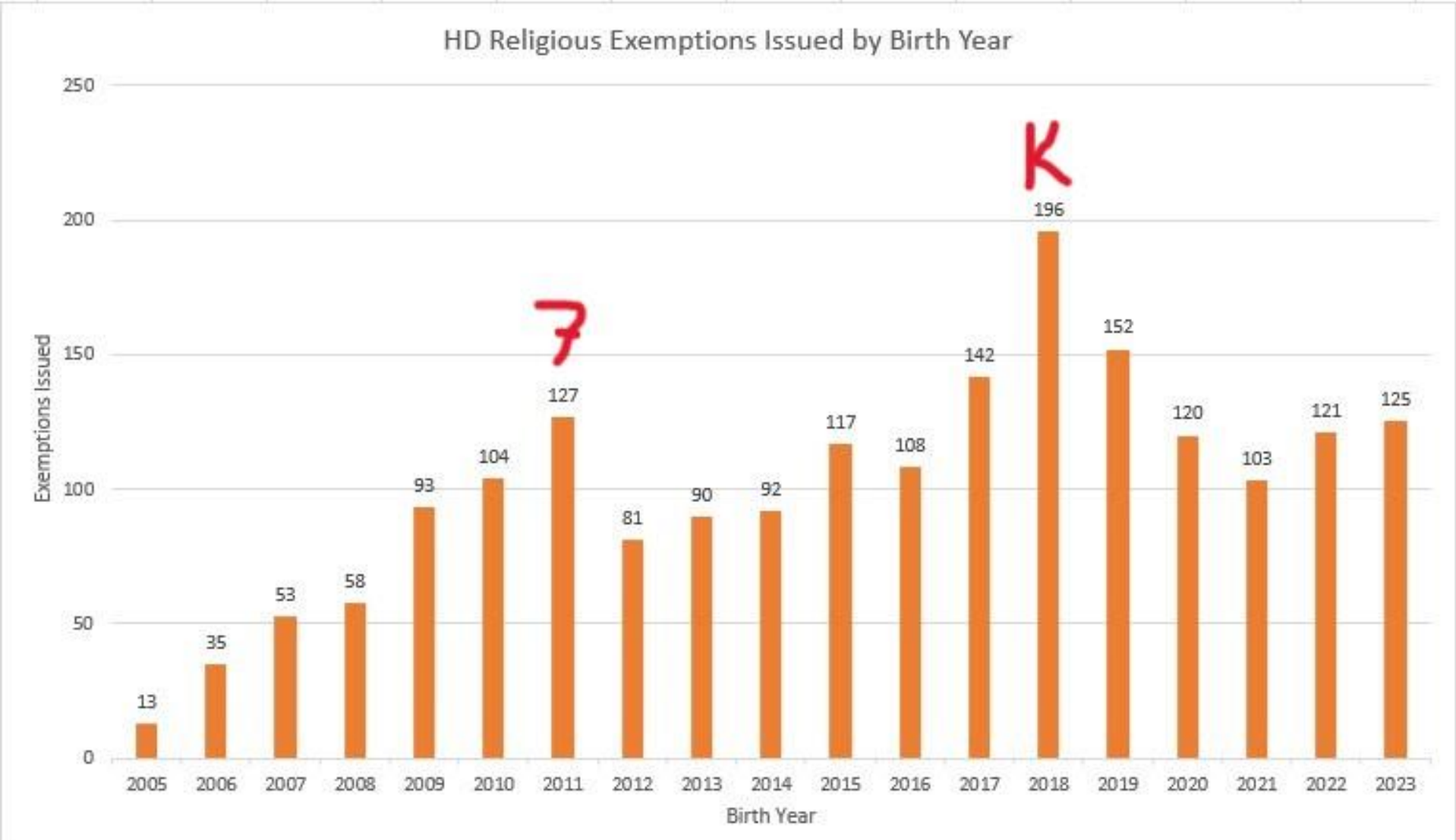
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DHEC Religious Exemptions issued 10-12/2023



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DHEC Religious Exemptions issued 10-12/2023

Which DHEC Public Health Region are you in?

 Upstate	843
 Lowcountry	560
 Midlands	641
 Pee Dee	246



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Back to School Vaccine Efforts

- Early Spring communication and vaccine efforts for back-to-school vaccines are important to keep kids in school

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Q & A

Jonathan Knoche, MD, MPH
SC DHEC

THANK YOU!

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