



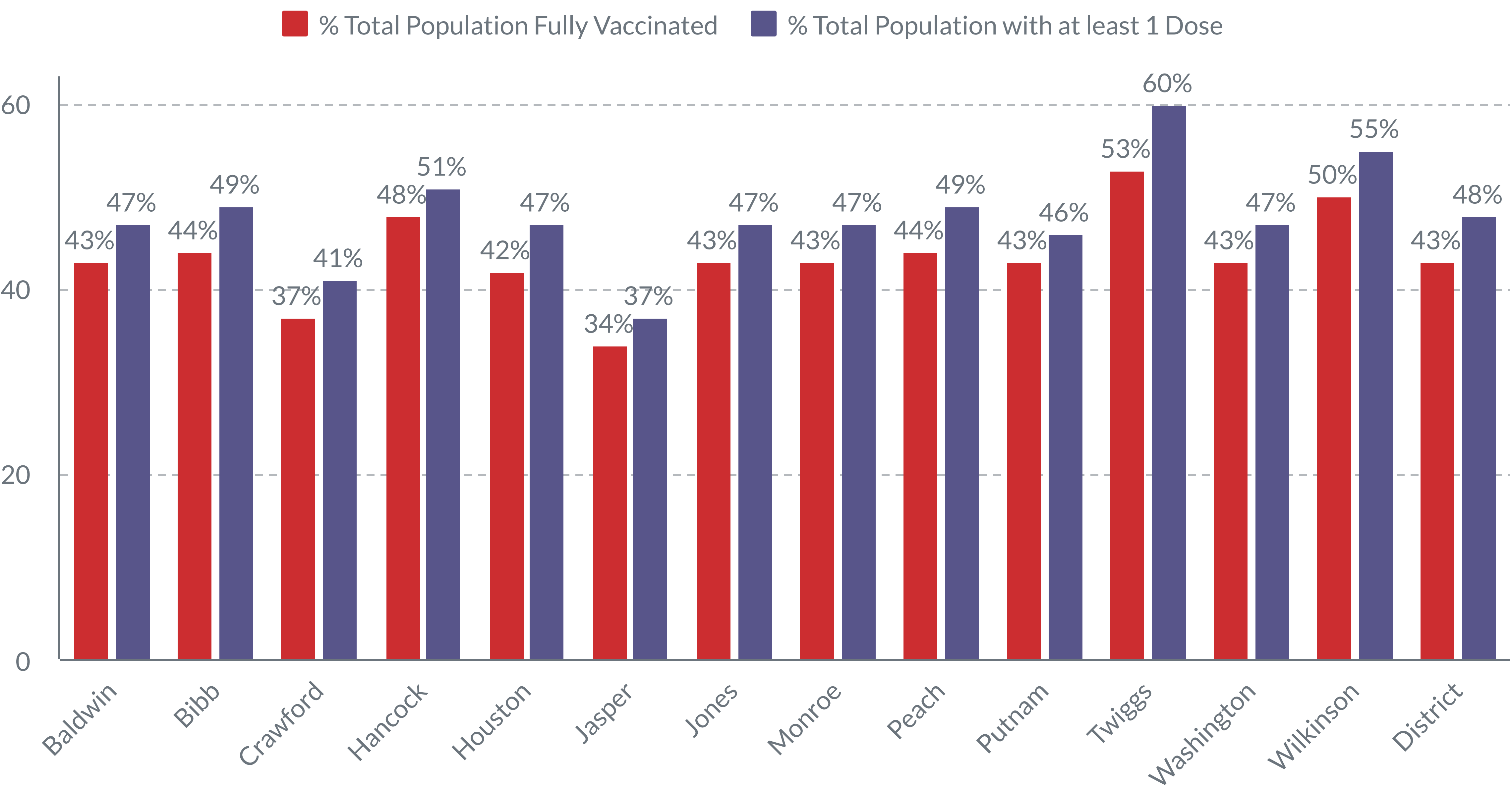
December 6, 2021

This is an emerging and dynamic situation, therefore our data and recommendations are subject to change. North Central Health District (NCHD) is part of the Georgia Department of Public Health (DPH) and serves individuals residing in 13 Central Georgia counties: Baldwin, Bibb, Crawford, Hancock, Houston, Jasper, Jones, Monroe, Peach, Putnam, Twiggs, Washington, and Wilkinson. This report describes the NCHD operations in response to the COVID-19 pandemic. The purpose of this report is to provide situational awareness to our district partners and community members.

COVID-19 Vaccination

North Central Health District started administration of COVID-19 vaccine Dec. 23. NCHD continues to provide COVID-19 vaccine at all 13 of its county health departments in Central Georgia. The information in this portion of the report is accurate as of 12/5/2021 at 4 PM.

Vaccination Status by County



Vaccine Brand	Doses
Johnson & Johnson Total	4565
• Booster J&J	304
Moderna Total	103359
• 2nd dose Moderna	45689
• additional dose/booster	9178
Pfizer Total	4585
• 2nd dose Pfizer	1320
• additional dose/booster	1167
• Pediatric dose	350
• Pediatric 2nd dose	29
Total Doses Administered	112509

COVID-19 Vaccination Data Resources

- The following links provide a variety of regularly updated state- and county-level details regarding COVID-19 vaccination including demographic data (age, race, gender, etc.), numbers of fully-vaccinated residents, percentage of population vaccinated and more:
- [Georgia DPH COVID-19 Vaccine Distribution Dashboard](#)
 - [CDC COVID-19 Data Tracker - Vaccinations in the United States](#)
 - [Vaccines.gov- Find COVID-19 Vaccine Sites](#)

NCHD Specimen Points of Collection (SPOC)

Note: Baldwin and Houston County SPOCs are managed by a 3rd party contract laboratory that is coordinated by the state Department of Public Health. The information from this specimen collection will not be included in this report. As of 8/30/2021, NCHD is no longer reporting testing data due to third-party SPOC management.

COVID-19 Case Data Resources

The following links provide a variety of regularly updated state- and county-level details regarding COVID-19 cases:

- [Georgia DPH COVID-19 Daily Status Report](#)
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Epidemiology - Data Definitions

The information in the rest of the report is a breakdown by Presumptive and Confirmed Cases by each county within NCHD. Due to the reporting, interview, and data analysis processes, there may be delays in reporting cases as an outbreak. The Epidemiology Program is working closely with all partners to ensure data accuracy.

- An outbreak is considered closed** if it has been 2 incubation periods since the last symptom onset date.

Not all cases within an outbreak are counted within the county the outbreak occurs (i.e. staff of a facility may live in another county).

- 14-Day incidence rate** indicates newly reported confirmed COVID-19 cases among county residents per 100,000 residents during the 14- day period indicated, using 2019 U.S. Census data to derive county population. Rates cannot be accurately calculated for Counties with <5 cases.
- Transmission Levels** are based on the incidence rate and defined as:
 - Substantial Spread: greater than 101 cases per 100,000 county residents
 - Moderate Spread: 51-100 cases per 100,000 county residents
 - Minimal Spread: >11-50 cases per 100,000 county residents
 - Low Spread: > 0-10 cases per 100,000 county residents
 - Insufficient Data: A rate is not calculated for less than 5 cases reported. These counties may likely have low levels of transmission but may be affected by other factors such as levels of COVID-19 testing.

CURRENT 2 WEEK PERIOD: 11/15/2021 - 11/28/2021	PREVIOUS 2 WEEK PERIOD: 11/1/2021 - 11/14/2021	PREVIOUS 7 DAYS: 11/29/2021 - 12/5/2021
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Epidemiology - Overview

NCHD Epidemiology only reports Confirmed* and Presumptive* cases that reside within the 13 counties that make up the district. Although serology (i.e. antibody tests) are reportable, they do not meet the CDC case definition for a confirmed or presumptive case, therefore number of serology tests are not included in this report. Any reductions in numbers are a result of data error corrections (i.e. duplication, incorrect case classification, residency, etc). Data corrections are made as soon as they are found and data accuracy is checked daily by NCHD epidemiology staff. The information in this portion of the report is accurate as of 12/5/2021 at 4 PM.

**MODERATE
SPREAD**

58

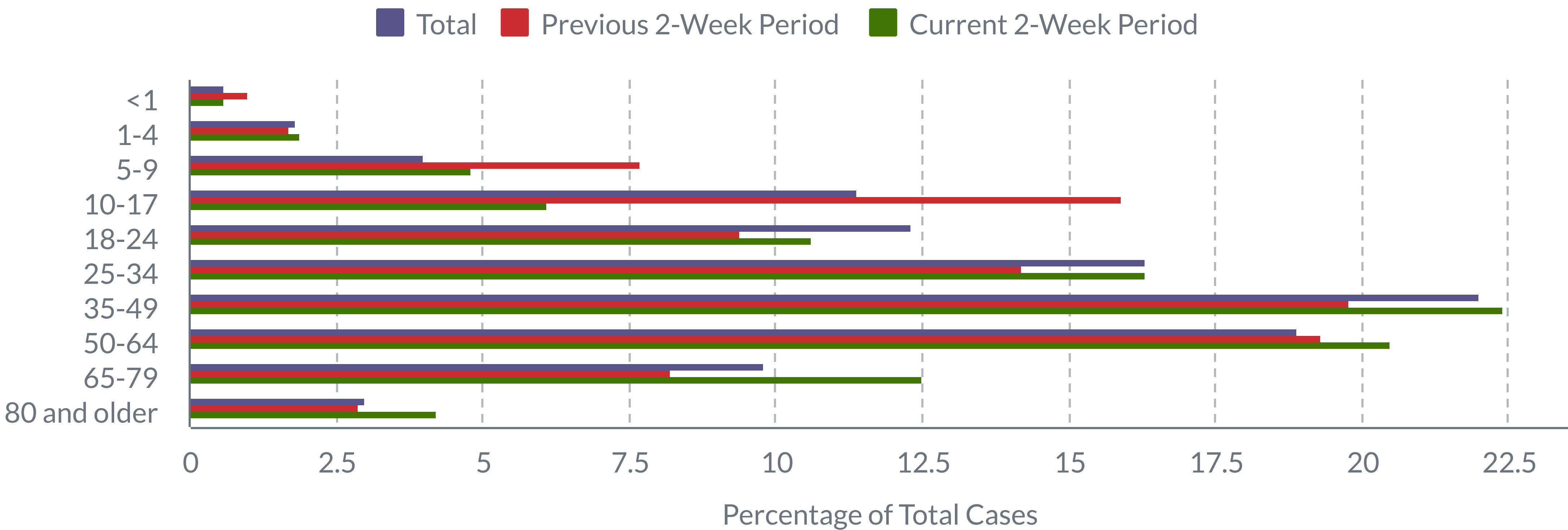
**Current 14-Day
Incidence Rate**

Total Number of Confirmed and Presumptive Cases	84,181
Median Age (Age Range)	37 (0-107 Years)
Hospitalizations	6305 (7.5%)
Deaths	2145 (2.6%)
Deaths Median Age (Age Range)	74 (17-104 Years)
Deaths that were Hospitalized	1430 (66.7%)

The incidence rate of COVID-19 for NCHD residents for the **Current 2-Week Period was 58 per 100,000 population (n=312; population=530,945)**. The previous 2-week period Incidence Rate was 78 per 100,000 population (n=415).

County	Total Confirmed Cases as of 12/5/2021	Total Presumptive Cases as of 12/5/2021	Total Presumptive and Confirmed Cases 12/5/2021	Total Presumptive and Confirmed Cases 11/28/2021	Percent Change Between 11/28/2021-12/5/2021	Total Hospitalizations (Presumptive and Confirmed)	Total Deaths (Presumptive and Confirmed)
Baldwin	5,298	1485	6783	6767	0.2%	427	198
Bibb	20,434	5,717	26151	26097	0.2%	2470	661
Crawford	834	318	1152	1151	0.1%	114	45
Hancock	1007	131	1138	1132	0.5%	128	82
Houston	16,240	9,326	25566	25494	0.3%	1402	415
Jasper	1052	1132	2184	2175	0.4%	123	59
Jones	2,633	925	3558	3547	0.3%	281	99
Monroe	2,827	1464	4291	4284	0.2%	305	153
Peach	2,714	1484	4198	4193	0.1%	326	114
Putnam	2,639	646	3285	3275	0.3%	249	87
Twiggs	760	348	1108	1107	0.1%	146	62
Washington	2,367	879	3246	3241	0.2%	179	124
Wilkinson	1109	412	1521	1518	0.2%	155	46
Total	59914	24267	84181	83981	0.2%	6305	2145

Age Distribution of Cases



All data is based on patient county of residence when known. *Confirmed Cases are those tested using a Molecular Tests (i.e. PCR) since 3/1/2020. *Presumptive Cases are those tested using an Antigen Test since 3/1/2020

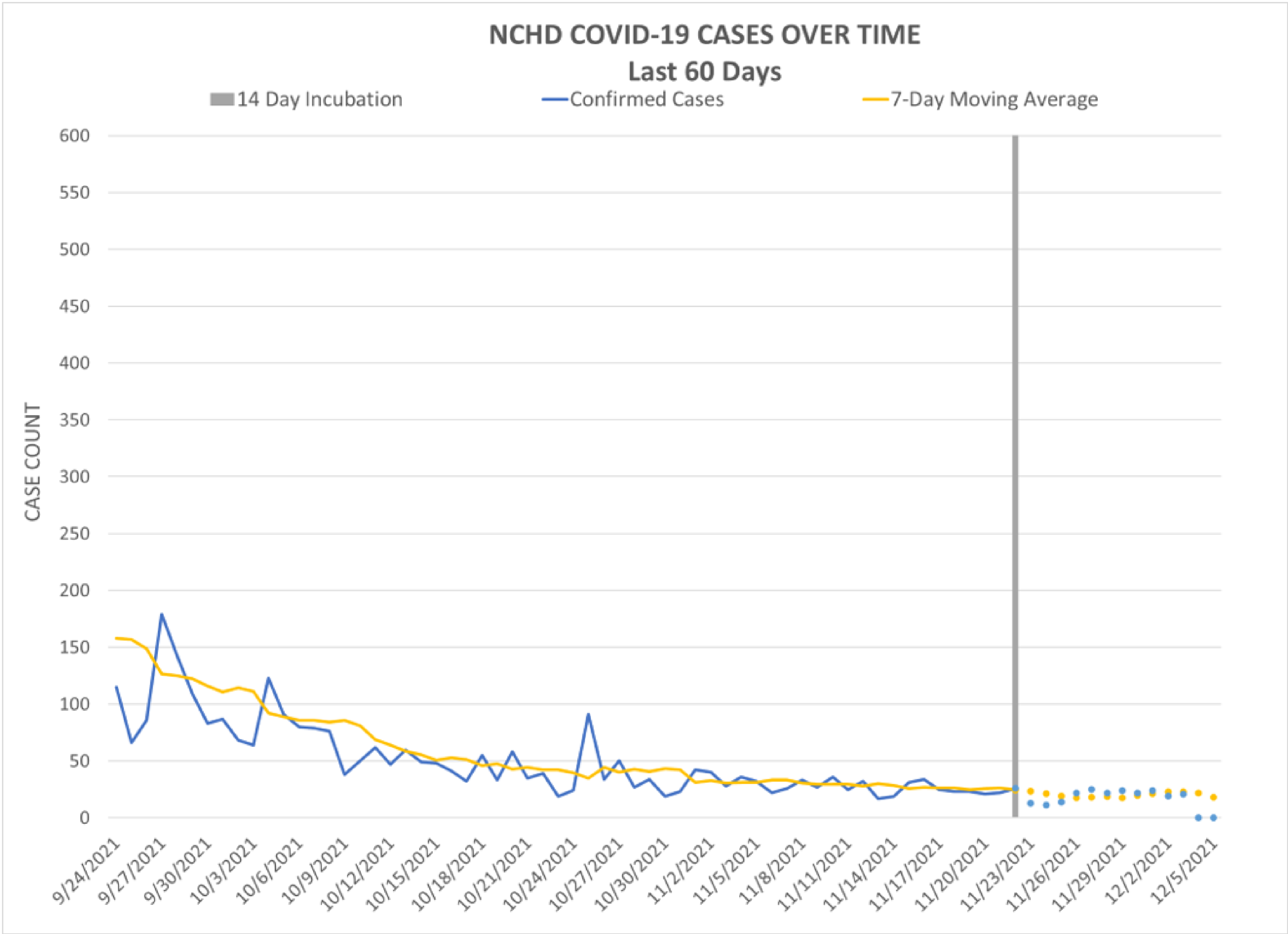
County Data - Incidence Rate

Population	GEOGRAPHY	11/1/2021 - 11/14/2021			11/15/2021 - 11/28/2021			%change in Case Count	COVID-19 Transmission Level
		Total Cases	Rate per 100,000	Positivity Rate (PCR)	Total Cases	Rate per 100,000	Positivity Rate (PCR)		
44,890	BALDWIN	40	89	3%	23	51	4%	-43%	Moderate
153,159	BIBB	75	49	3%	92	60	4%	23%	Moderate
12,404	CRAWFORD	2	NA	6%	2	NA	4%	0%	Low
8,457	HANCOCK	3	NA	4%	8	95	6%	167%	Moderate
157,863	HOUSTON	193	122	4%	98	62	5%	-49%	Moderate
14,219	JASPER	16	113	3%	18	127	7%	13%	Substantial
28,735	JONES	12	42	1%	13	45	6%	8%	Minimal
27,578	MONROE	25	91	7%	18	65	3%	-28%	Moderate
27,546	PEACH	20	73	2%	9	33	8%	-55%	Minimal
22,119	PUTNAM	16	72	4%	16	72	3%	0%	Low
8,120	TWIGGS	3	NA	2%	3	NA	1%	0%	Low
20,374	WASHINGTON	6	29	2%	7	34	1%	17%	Minimal
8,954	WILKINSON	4	NA	1%	5	56	4%	25%	Moderate
534,418	Total	415	78	4%	312	58	4%	-25%	Moderate

County Data Resources

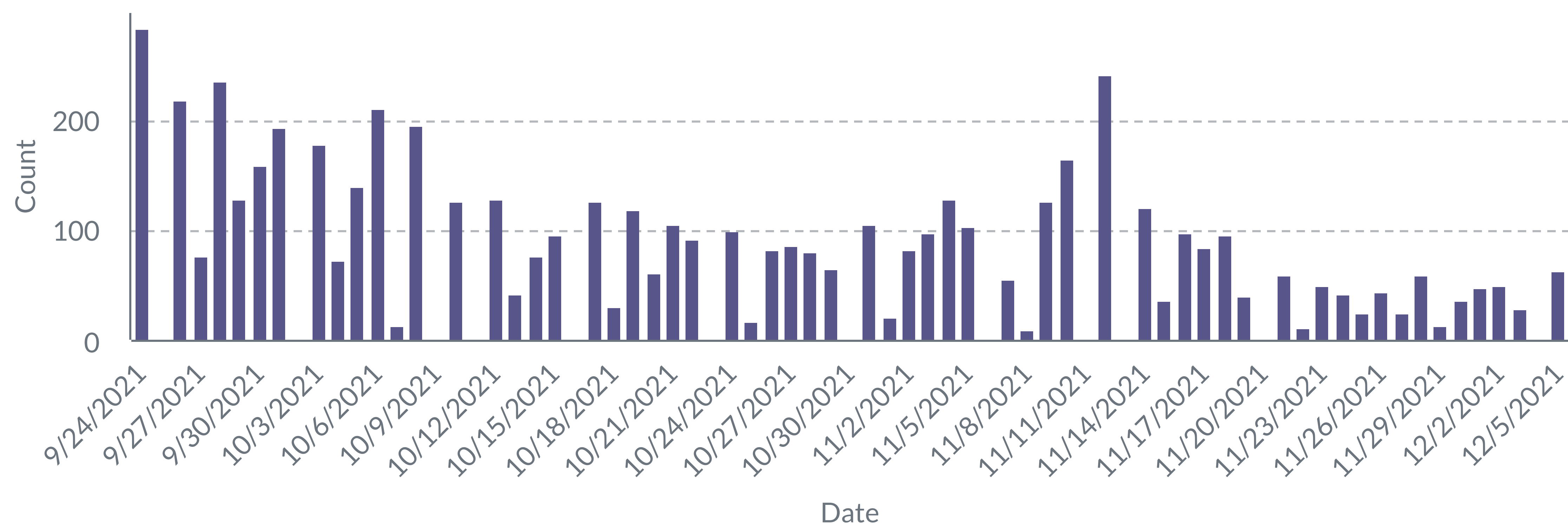
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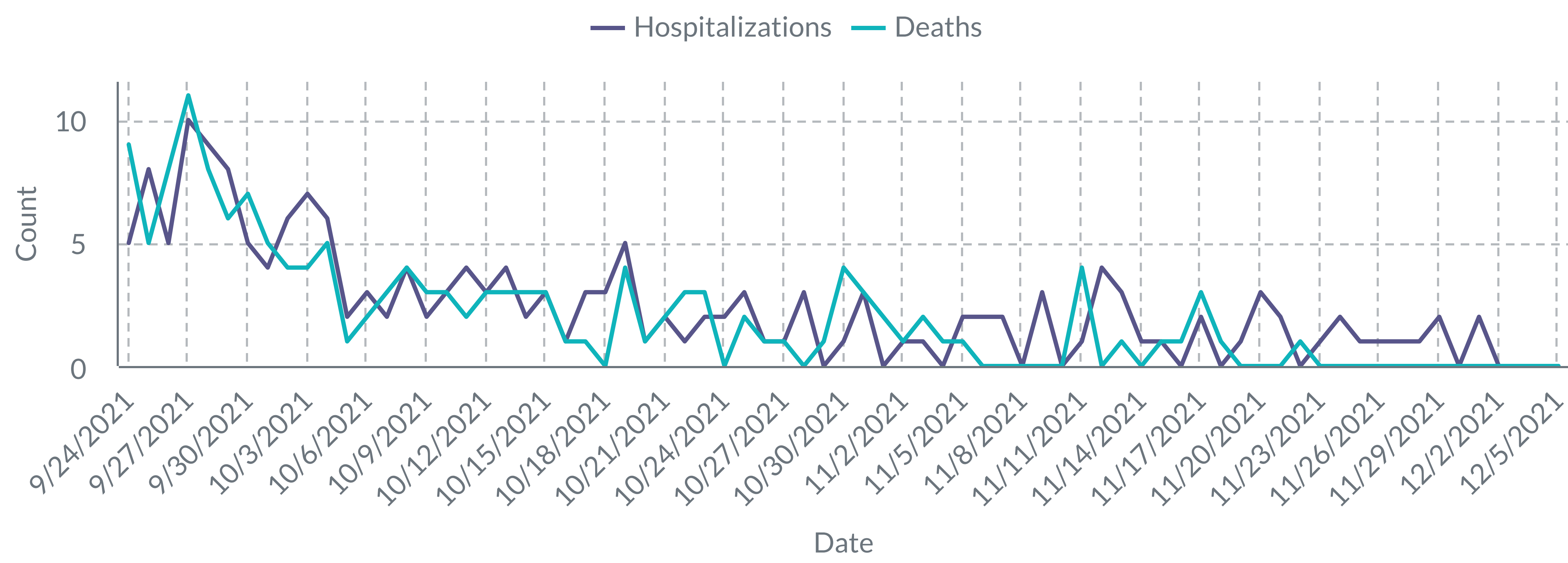


* 14-day window – Confirmed cases over the last 14 days may not be accounted for due to illnesses yet to be reported or test results may still be pending.

Number of Positive Confirmed and Presumptive COVID-19 Cases for the Last 60 Days By Day of Report to NCHD



Hospitalizations and Death By Date of Occurrence Past 60 Days



Outbreak Data Resouces

Use the resources here to access additional county level information used in previous operations summaries.

- [Georgia DPH Long-Term Care Facility Test Positivity Rates](#)
- [Georgia DPH School Aged COVID-19 Surveillance Data](#)

COVID-19 Breakthrough Cases

The following data describes breakthrough cases of COVID-19 in fully-vaccinated and partially-vaccinated individuals in NCHD's 13-county district. The report includes any confirmed or antigen positive cases with a specimen collection date for a PCR or antigen positive result greater than between **1/1/2021** and **11/26/2021**. Cases that meet these parameters will be assigned one of 3 groups for vaccine status at the time of infection: Unknown, Partially Vaccinated, Fully Vaccinated.

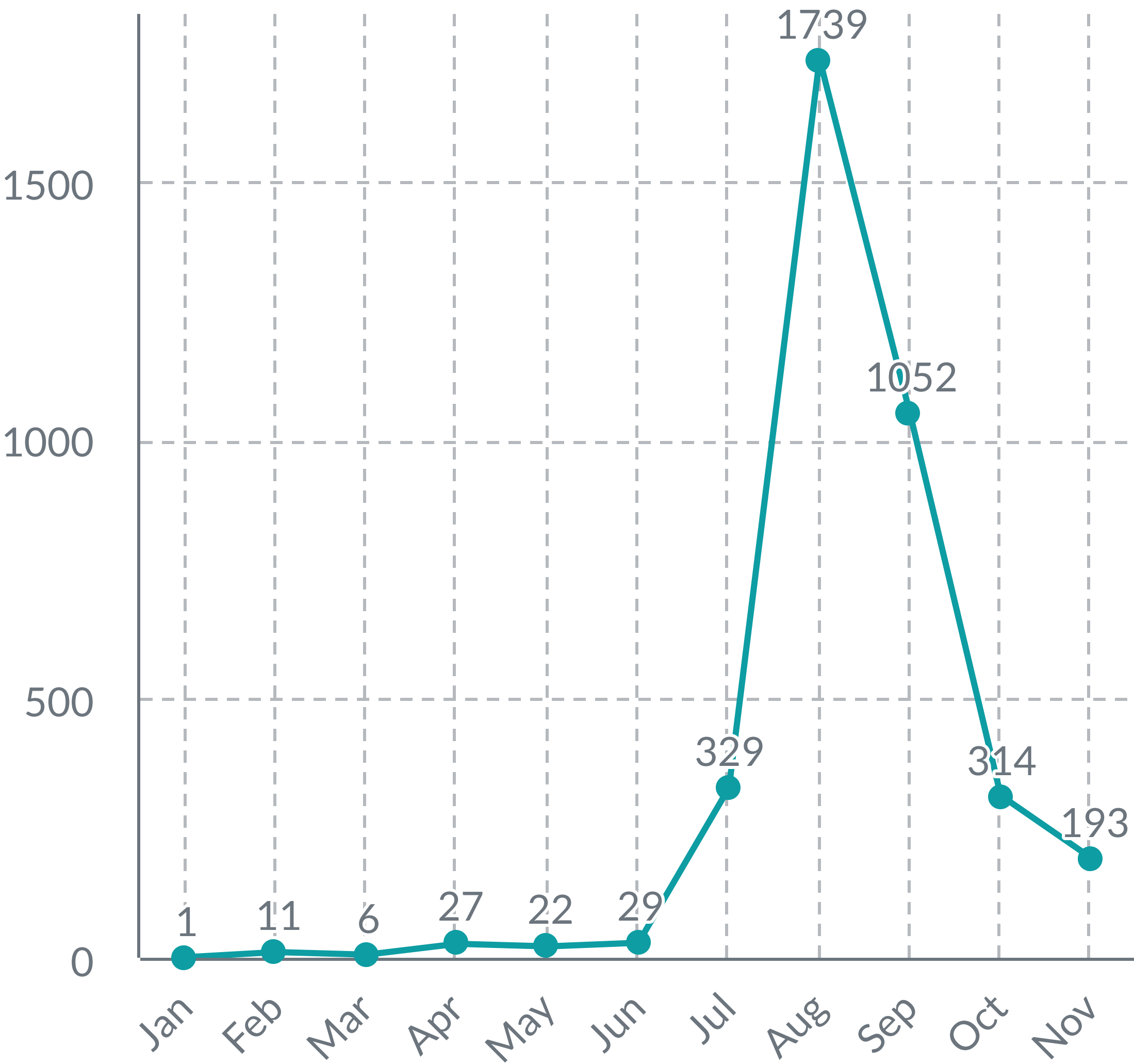
The following is based on the 50579 cases reported between 1/1/2021 - 11/26/2021.

Vaccination Status	Positive Cases	Hospitalizations*	Deaths
Unknown/Unvaccinated	45,813 (91%)	2,802 (90%)	860 (84%)
Partially Vaccinated	1,037 (2%)	114 (4%)	76 (7%)
Fully Vaccinated	3,723 (7%)	189 (6%)	89 (9%)
Grand Total	50,579 (100%)	3,105 (100%)	1025(100%)

*Hospitalization is hospitalization for any reason during the individuals course of illness.

93% of fully vaccinated deaths were over 50 years old and
92% of fully vaccinated hospitalizations are over 50 years old.

Number of Fully Vaccinated Breakthrough Cases within NCHD



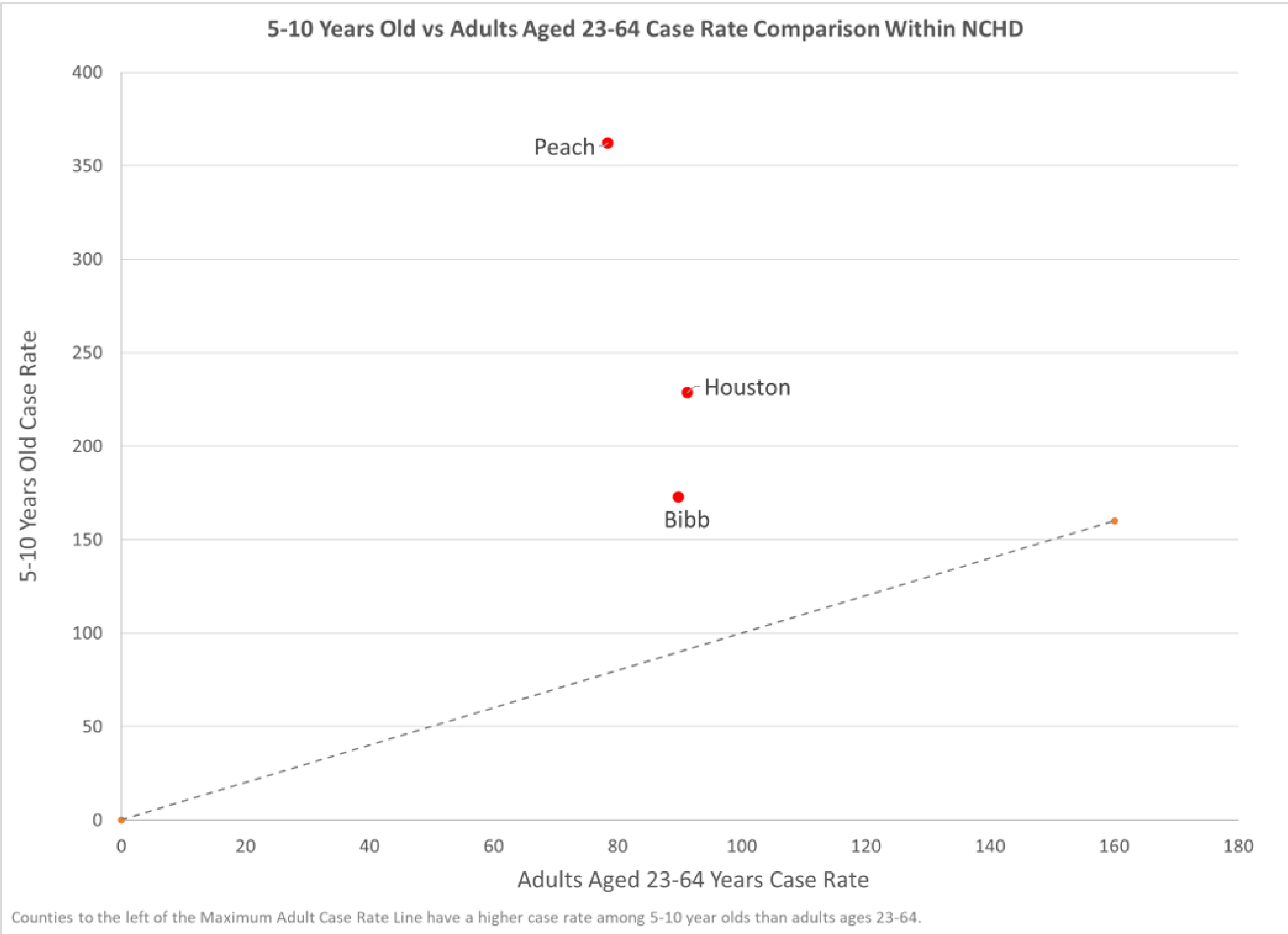
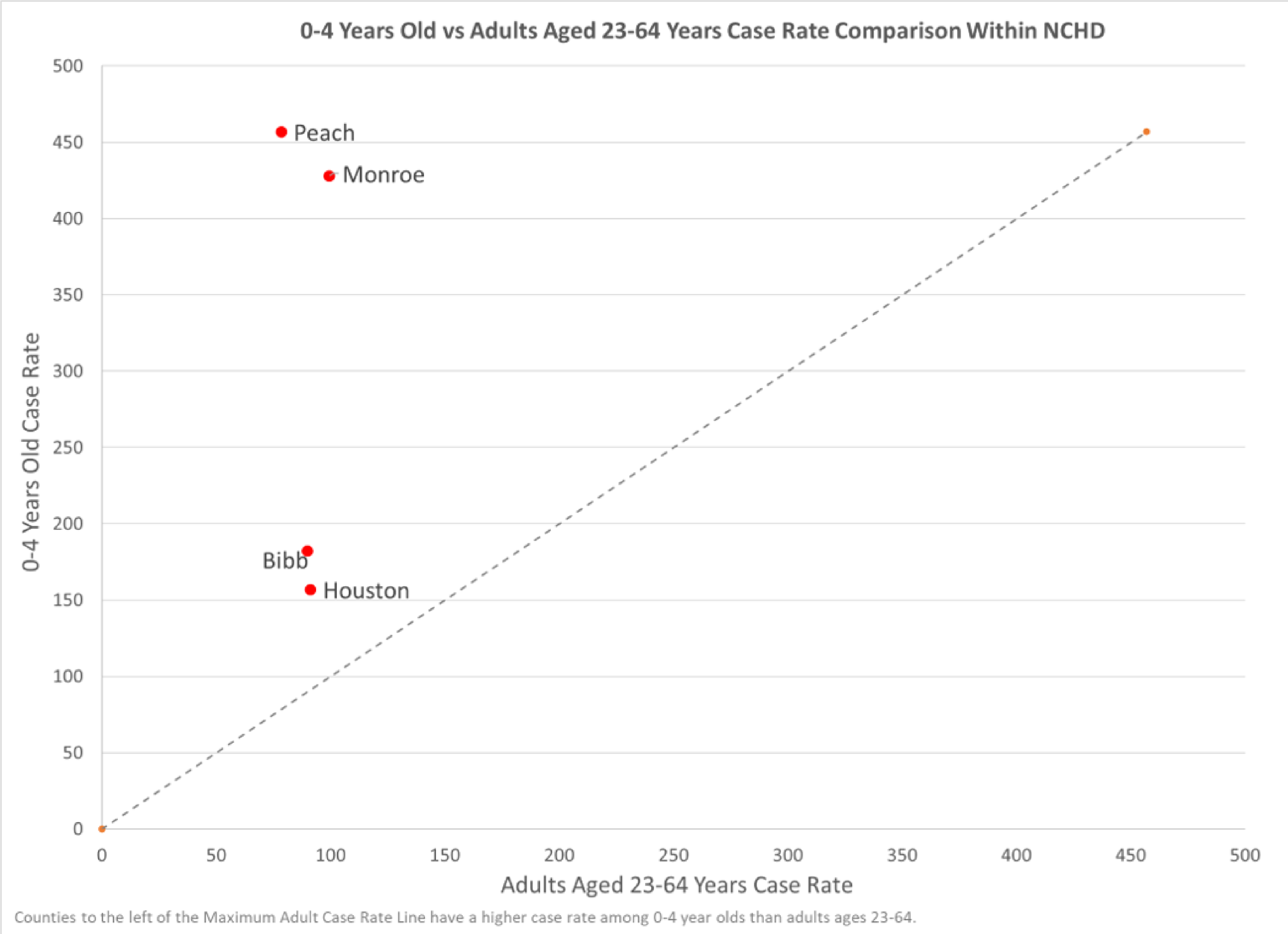
Breakthrough Cases by County			
County	Total Cases	Fully Vaccinated Breakthrough Cases	% Of Total Cases
Baldwin	3,484	313	9%
Bibb	15,486	1,125	7%
Crawford	706	52	7%
Hancock	434	36	8%
Houston	16,786	1,284	8%
Jasper	1,300	75	6%
Jones	2,304	188	8%
Monroe	2,527	160	6%
Peach	2,495	148	6%
Putnam	1,832	138	8%
Twiggs	616	38	6%
Washington	1,757	104	6%
Wilkinson	852	62	7%
Total	50,579	3,723	7%

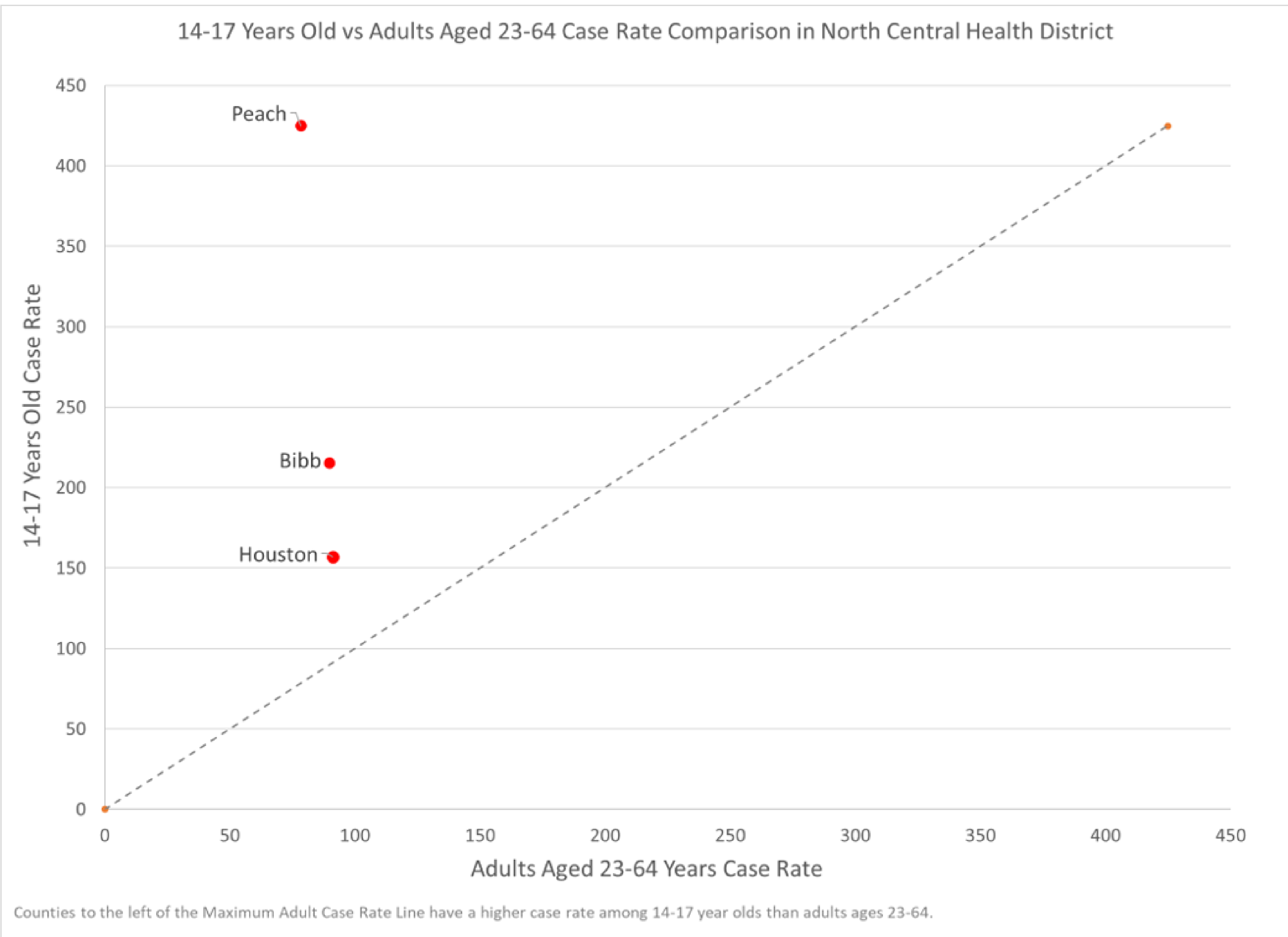
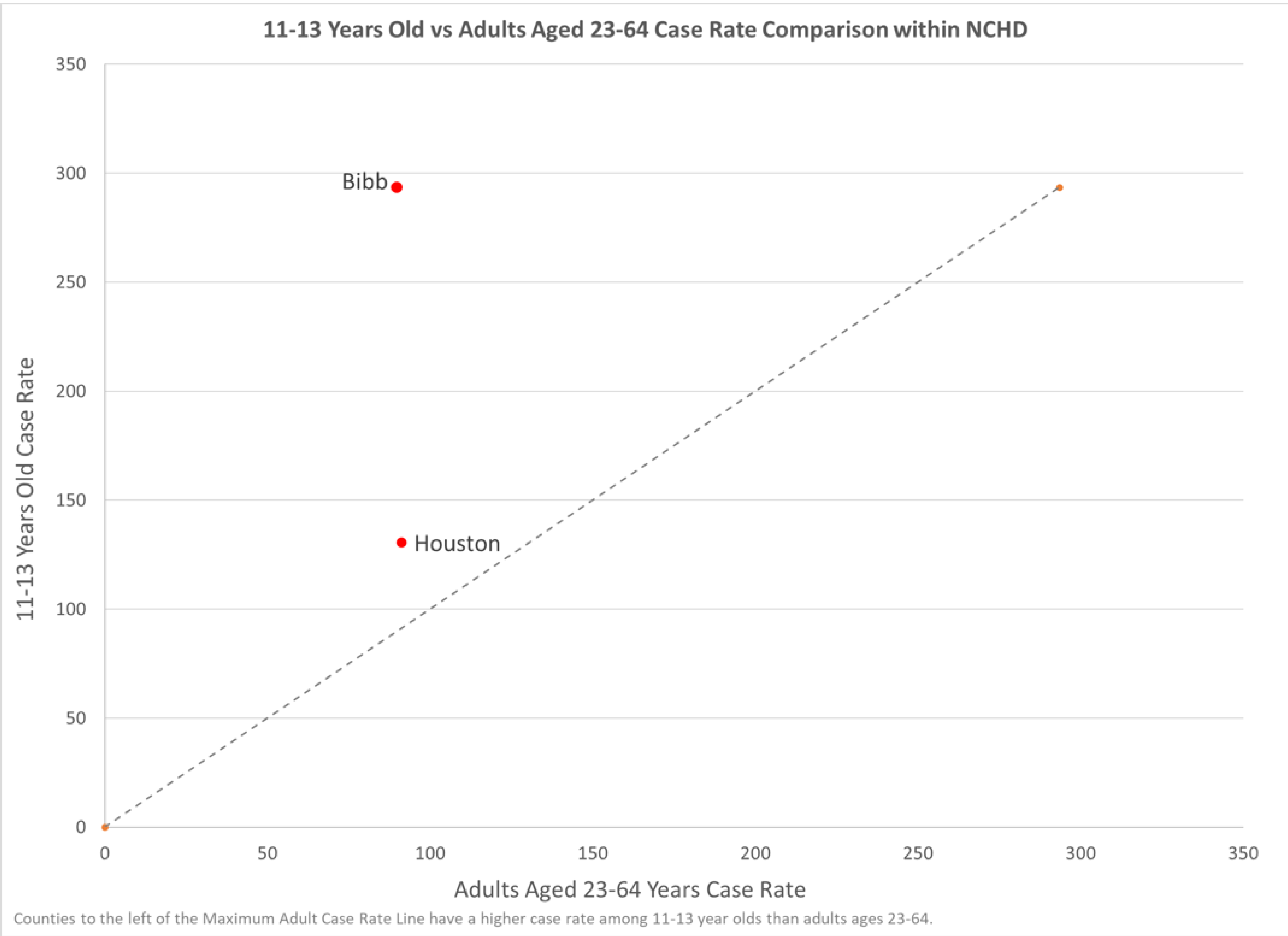
The average number of days between the date the last dose of the vaccine was given and the first positive COVID-19 antigen or PCR laboratory result post-vaccination for fully vaccinated individuals that meet a breakthrough case definition within NCHD by 11/26/2021 is **150 days**. Range is between **15 days and 307 days**.

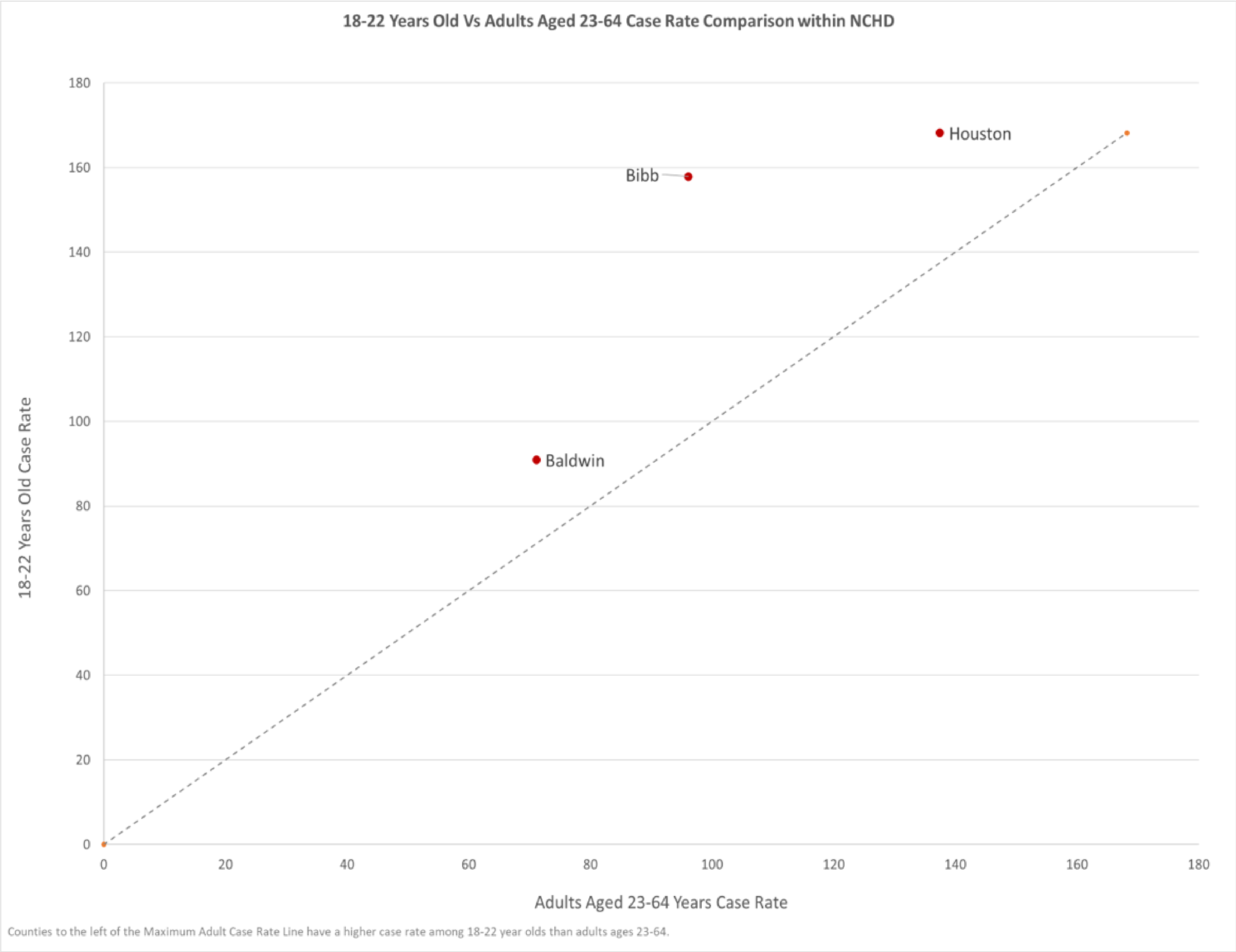
- Unknown: PUIs in this group have no matching vaccine data that correspond to their positive date OR they have vaccine data from after their positive result. The vast majority are most likely unvaccinated at the time of their positive and we report them as unvaccinated in our reports.
- Partially Vaccinated: PUIs in this group had some vaccine prior to their positive date, but do not meet the CDC definition for fully vaccinated. They could have received 1 of 2 doses prior to positive, received 1 of 1 or 2 of 2 but the last vaccine was less than 14 days prior to positive, or they could have had another positive test less than 90 days prior to their post-vaccine positive.
- Fully Vaccinated: PUIs in this group meet the CDC definition for a fully vaccinated breakthrough case. They received 1 of 1 or 2 of 2 vaccine doses at least 14 days prior to their positive date and did not have another positive date in the 90 days prior to the new positive.

School-Age COVID-19 Rates

The following data describes COVID-19 cases in school-age groups compared to the average rate of infection for the age 23-64 year old age group. Counties on the left/above the Adult Rate Case Lines have a higher case rate among the described school-age group than adults age 23-64 within NCHD's 13 county district. Counties that are not listed in the chart have case counts within the comparison age group that are <5.









December 20, 2021

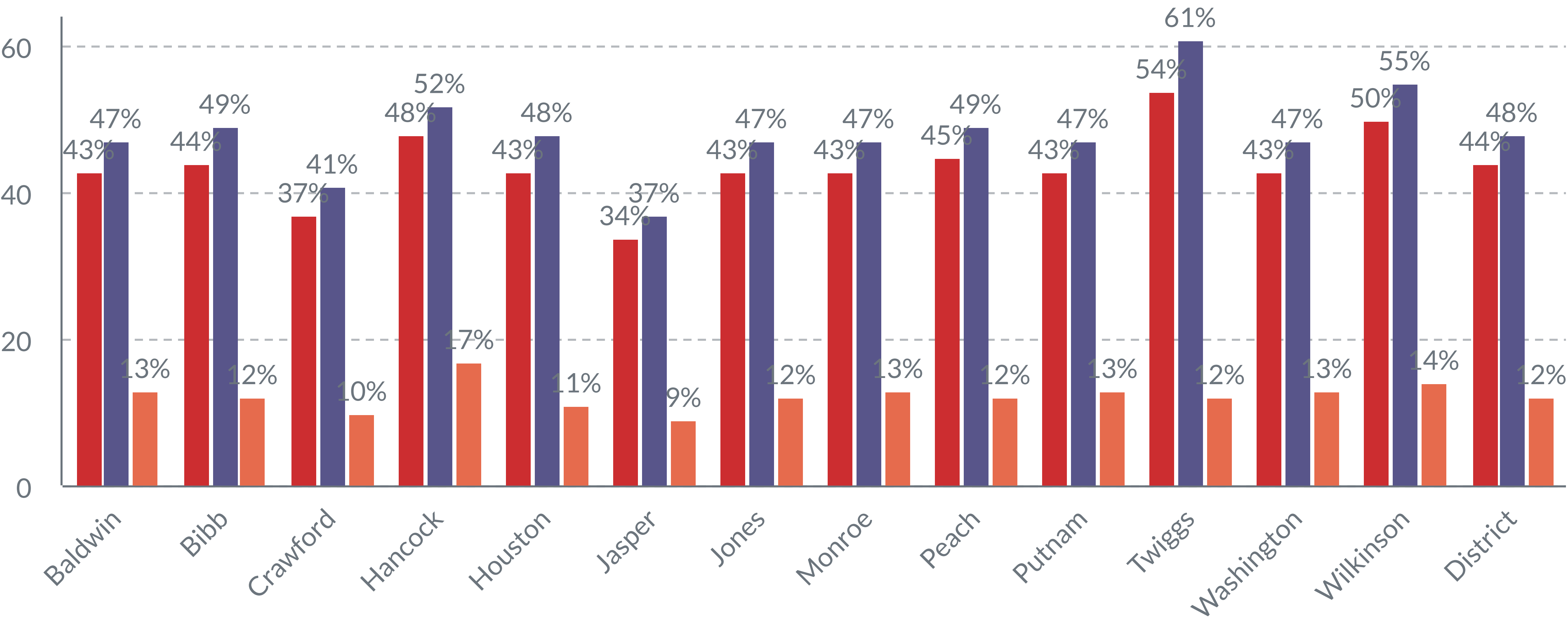
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COVID-19 Vaccination

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Vaccination Status by County

■ % Total Population Fully Vaccinated ■ % Total Population with at least 1 Dose
■ % Total Population Fully Vaccinated with Additional Dose



Vaccine Brand	Doses
Johnson & Johnson Total	4654
• Booster J&J	371
Moderna Total	105495
• 2nd dose Moderna	45762
• additional dose/booster	11167
Pfizer Total	5417
• 2nd dose Pfizer	1436
• additional dose/booster	1431
• Pediatric dose	705
• Pediatric 2nd dose	175
Total Doses Administered	115566

COVID-19 Vaccination Data Resources

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- 14-Day incidence rate** indicates newly reported confirmed COVID-19 cases among county residents per 100,000 residents during the 14- day period indicated, using 2019 U.S. Census data to derive county population. Rates cannot be accurately calculated for Counties with <5 cases.
- Transmission Levels** are based on the incidence rate and defined as:
 - Substantial Spread: greater than 101 cases per 100,000 county residents
 - Moderate Spread: 51-100 cases per 100,000 county residents
 - Minimal Spread: >11-50 cases per 100,000 county residents
 - Low Spread: > 0-10 cases per 100,000 county residents
 - Insufficient Data: A rate is not calculated for less than 5 cases reported. These counties may likely have low levels of transmission but may be affected by other factors such as levels of COVID-19 testing.

CURRENT 2 WEEK PERIOD:	PREVIOUS 2 WEEK PERIOD:	PREVIOUS 7 DAYS:
11/29/2021 - 12/12/2021	11/15/2021 - 11/28/2021	12/13/2021 - 12/19/2021

Epidemiology - Overview

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MODERATE
SPREAD

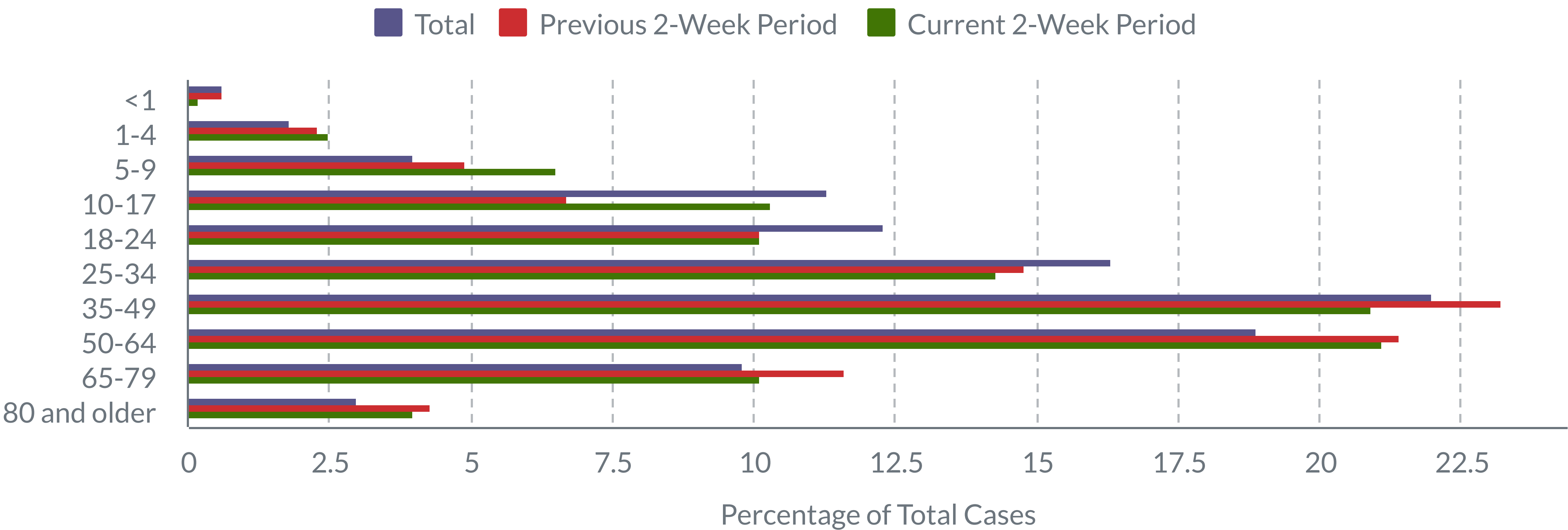
Total Number of Confirmed and Presumptive Cases	84,848
Median Age (Age Range)	37 (0-107 Years)
Hospitalizations	6376 (7.5%)
Deaths	2156 (2.6%)
Deaths Median Age (Age Range)	74 (17-104 Years)
Deaths that were Hospitalized	1445 (66.9%)

83
Current 14-Day
Incidence Rate

The incidence rate of COVID-19 for NCHD residents for the **Current 2-Week Period was 83 per 100,000 population (n=446; population=530,945)**. The previous 2-week period Incidence Rate was 65 per 100,000 population (n=345).

County	Total Confirmed Cases as of 12/19/2021	Total Presumptive Cases as of 12/19/2021	Total Presumptive and Confirmed Cases 12/19/2021	Total Presumptive and Confirmed Cases 12/12/2021	Percent Change Between 12/12/2021 -12/19/2021	Total Hospitalizations (Presumptive and Confirmed)	Total Deaths (Presumptive and Confirmed)
Baldwin	5,315	1517	6832	6811	0.3%	429	199
Bibb	20,579	5,768	26347	26235	0.4%	2500	663
Crawford	837	325	1162	1156	0.5%	116	46
Hancock	1027	140	1167	1153	1.2%	128	82
Houston	16,306	9,443	25749	25653	0.4%	1418	420
Jasper	1076	1141	2217	2203	0.6%	126	59
Jones	2,648	932	3580	3570	0.3%	284	99
Monroe	2,849	1477	4326	4304	0.5%	307	153
Peach	2,725	1500	4225	4212	0.3%	332	115
Putnam	2,685	655	3340	3318	0.7%	252	88
Twiggs	763	353	1116	1110	0.5%	148	62
Washington	2,375	884	3259	3250	0.3%	180	124
Wilkinson	1112	416	1528	1521	0.5%	156	46
Total	60297	24551	84848	84496	0.4%	6376	2156

Age Distribution of Cases



All data is based on patient county of residence when known. *Confirmed Cases are those tested using a Molecular Tests (i.e. PCR) since 3/1/2020. *Presumptive Cases are those tested using an Antigen Test since 3/1/2020

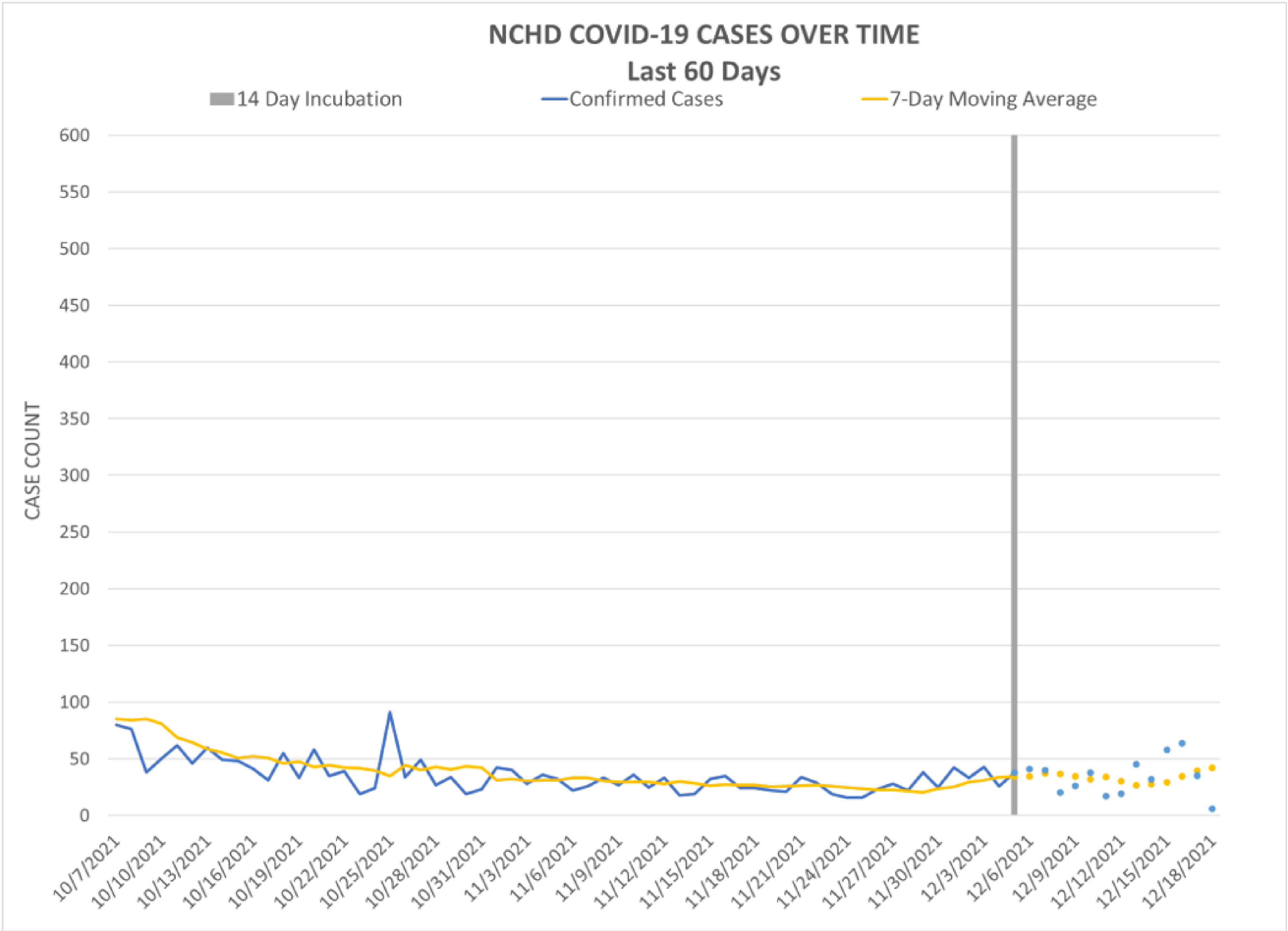
County Data - Incidence Rate

GEOGRAPHY	11/15/2021 - 11/28/2021			11/29/2021 - 12/12/2021			%change in Case Count	COVID-19 Transmission Level
	Total Cases	Rate per 100,000	Positivity Rate (PCR)	Total Cases	Rate per 100,000	Positivity Rate (PCR)		
BALDWIN	25	56	4%	21	47	4%	5%	Minimal
BIBB	105	69	5%	133	87	7%	19%	Moderate
CRAWFORD	2	NA	4%	7	56	4%	300%	Moderate
HANCOCK	9	106	6%	23	272	7%	225%	Substantial
HOUSTON	102	65	5%	126	80	3%	-25%	Moderate
JASPER	18	127	7%	31	218	11%	-14%	Substantial
JONES	16	56	6%	15	52	3%	27%	Moderate
MONROE	19	69	3%	14	51	2%	-45%	Moderate
PEACH	10	36	8%	17	62	15%	-32%	Moderate
PUTNAM	22	99	3%	43	194	3%	38%	Substantial
TWIGGS	3	NA	1%	3	NA	3%	50%	Low
WASHINGTON	8	39	1%	8	39	6%	-17%	Minimal
WILKINSON	6	67	4%	5	56	5%	100%	Moderate
Total	345	65	4%	446	83	4%	-3%	Moderate

County Data Resources

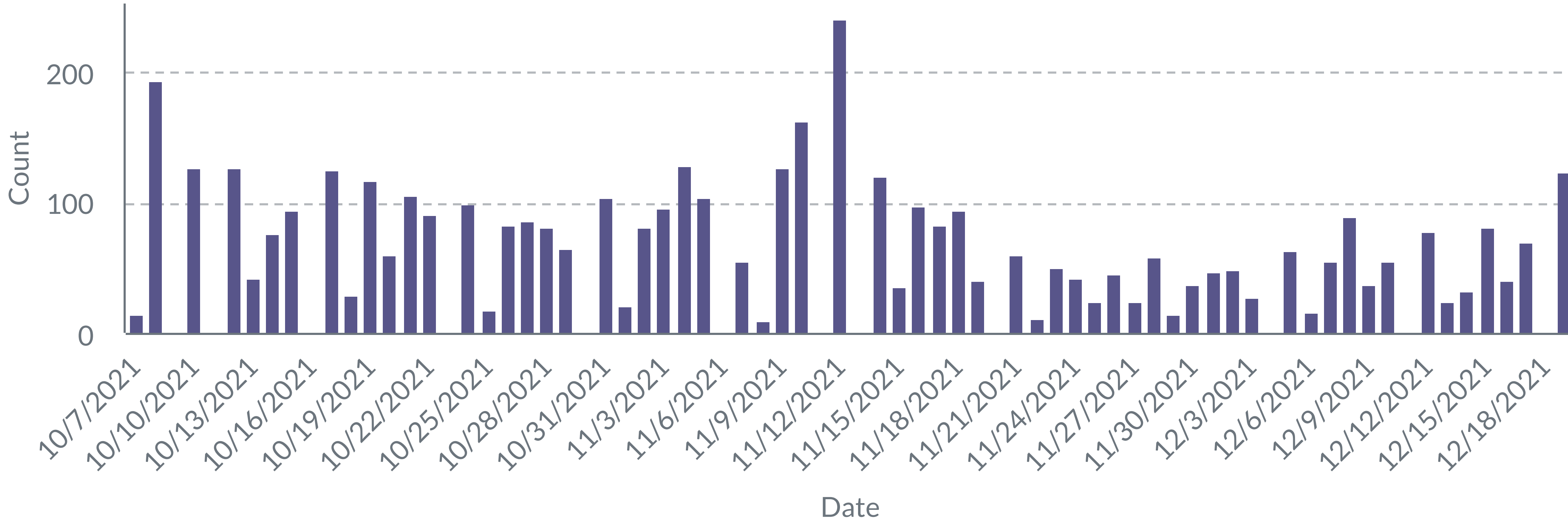
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Hospitalizations and Death By Date of Occurrence Past 60 Days



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COVID-19 Breakthrough Cases

The following data describes breakthrough cases of COVID-19 in fully-vaccinated and partially-vaccinated individuals in NCHD's 13-county district. The report includes any confirmed or antigen positive cases with a specimen collection date for a PCR or antigen positive result greater than between **1/1/2021 and 12/3/2021**. Cases that meet these parameters will be assigned one of 3 groups for vaccine status at the time of infection: Unknown, Partially Vaccinated, Fully Vaccinated.

The following is based on the 50861 cases reported between 1/1/2021 - 12/3/2021.

Vaccination Status	Positive Cases	Hospitalizations*	Deaths
Unknown/Unvaccinated	46,021 (91%)	2,842 (90%)	870 (84%)
Partially Vaccinated	1,013 (2%)	110 (4%)	75 (7%)
Fully Vaccinated	3,807 (7%)	198 (6%)	91 (9%)
Fully Vaccinated with Additional/ Booster Dose	20 (<1%)	1 (<1%)	1 (<1%)
Grand Total	50,861 (100%)	3,121 (100%)	1,208 (100%)

*Hospitalization is hospitalization for any reason during the individuals course of illness.

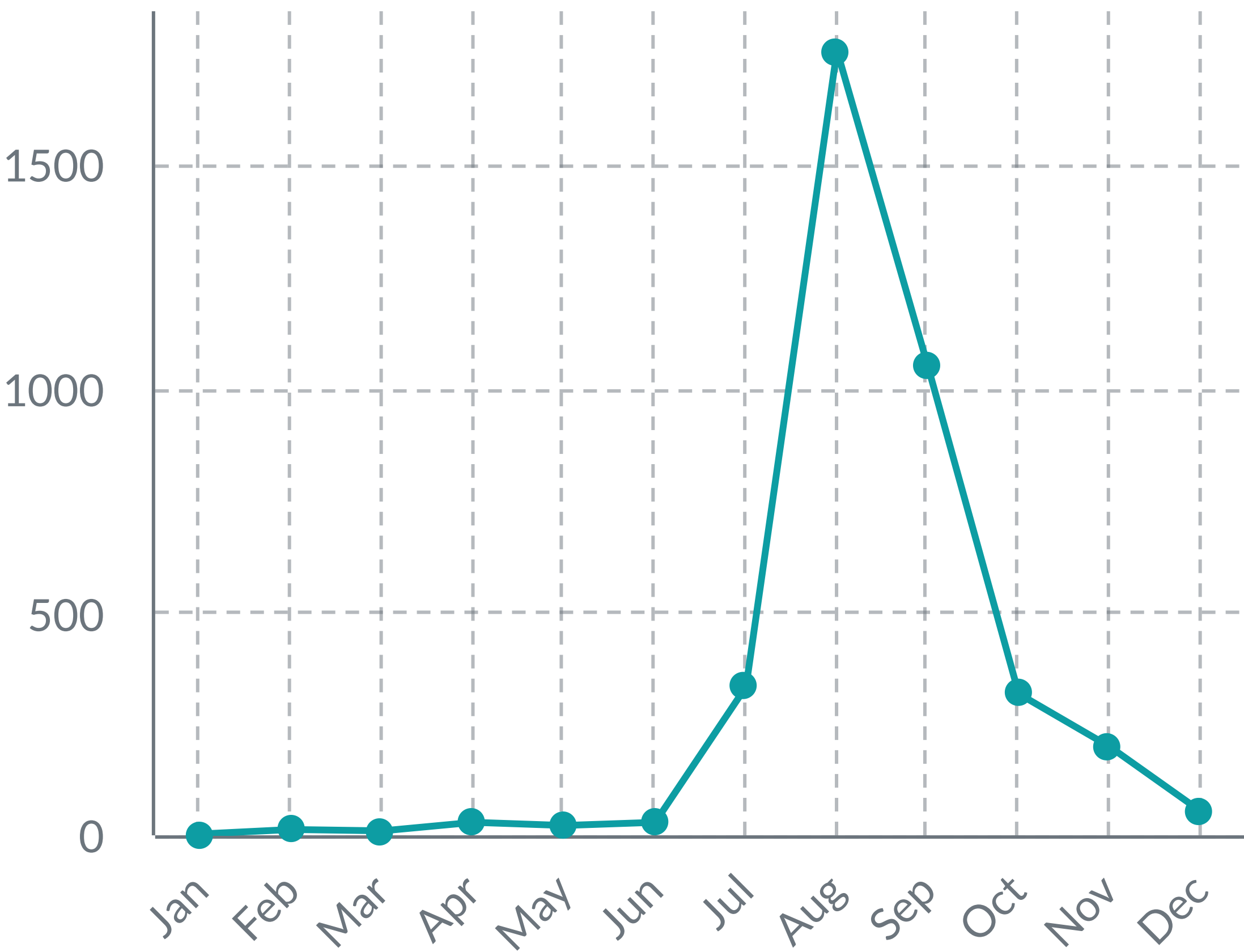
7%

Of the 50,861 cases within NCHD since January 2021 only **7% were fully vaccinated, 2% were partially vaccinated, and 91% were either unvaccinated or had an unknown vaccination status.**

97%

97% of the breakthrough infections within NCHD have occurred since July 2021. This is likely due to substantial community spread of the Delta Variant

Number of Fully Vaccinated Breakthrough Cases within NCHD from January - Dec. 2021



Breakthrough Cases by County			
County	Total Cases	Fully Vaccinated Breakthrough Cases	% Of Total Cases
Baldwin	3,506	316	9%
Bibb	15,559	1,154	7%
Crawford	710	52	7%
Hancock	445	39	8%
Houston	16,859	1,306	8%
Jasper	1,321	74	6%
Jones	2,318	196	8%
Monroe	2,536	161	6%
Peach	2,510	152	6%
Putnam	1,864	148	8%
Twiggs	617	39	6%
Washington	1,762	107	6%
Wilkinson	854	63	7%
Total	50,861	3,807	7%

The average number of days between the date the last dose of the vaccine was given and the first positive COVID-19 antigen or PCR laboratory result post-vaccination for fully vaccinated individuals that meet a breakthrough case definition within NCHD by 12/3/2021 is **154 days**. Range is between **14 days and 314 days**.

- Unknown: PUIs in this group have no matching vaccine data that correspond to their positive date OR they have vaccine data from after their positive result. The vast majority are most likely unvaccinated at the time of their positive and we report them as unvaccinated in our reports.
- Partially Vaccinated: PUIs in this group had some vaccine prior to their positive date, but do not meet the CDC definition for fully vaccinated. They could have received 1 of 2 doses prior to positive, received 1 of 1 or 2 of 2 but the last vaccine was less than 14 days prior to positive, or they could have had another positive test less than 90 days prior to their post-vaccine positive.
- Fully Vaccinated: PUIs in this group meet the CDC definition for a fully vaccinated breakthrough case. They received 1 of 1 or 2 of 2 vaccine doses at least 14 days prior to their positive date and did not have another positive date in the 90 days prior to the new positive.

School-Age COVID-19 Rates

The following data describes COVID-19 cases in school-age groups compared to the average rate of infection for the age 23-64 year old age group. Counties on the left/above the Adult Rate Case Lines have a higher case rate among the described school-age group than adults age 23-64 within NCHD's 13 county district. Counties that are not listed in the chart have case counts within the comparison age group that are <5.

