

COVID-19 DATA: Louisiana Office of Public Health Region 4 -- Acadiana

**EPID 6350: Epidemiology for Public Health Practice
Spring 2021
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DEMOGRAPHICS OF LDH REGION 4: ACADIANA

Category	United States Census QuickFact	St. Landry Parish, Louisiana	Lafayette Parish, Louisiana	Iberia Parish, Louisiana	Evangeline Parish, Louisiana	Acadia Parish, Louisiana	St. Martin Parish, Louisiana	Vermilion Parish, Louisiana	LDH REGION 4 TOTAL or AVERAGE	State of Louisiana
Population	Population estimates, July 1, 2019, (V2019)	82,124	244,390	69,830	33,395	62,045	53,431	59,511	T = 604,726	4,648,794
Age & Sex	Persons under 5 years, percent	7.30%	6.70%	7.00%	6.90%	6.90%	6.60%	6.50%	6.84%	6.50%
	Persons under 18 years, percent	26.50%	23.60%	25.60%	24.90%	25.80%	23.90%	25.20%	25.07%	23.40%
	Persons 65 years and over, percent	16.60%	13.80%	15.70%	15.80%	15.80%	15.70%	15.80%	15.60%	15.90%
	Female persons, percent	51.80%	51.40%	51.10%	49.00%	51.10%	50.90%	51.70%	51.00%	51.20%
Race & Hispanic Origin	White alone, percent	56.20%	69.10%	61.90%	69.50%	79.70%	66.80%	81.50%	69.24%	62.80%
	Black or African American alone, percent	41.50%	26.90%	32.80%	28.20%	18.00%	30.00%	14.30%	27.39%	32.80%
	American Indian and Alaska Native alone, percent	0.40%	0.40%	0.60%	0.50%	0.40%	0.70%	0.40%	0.49%	0.80%
	Asian alone, percent	0.50%	2.00%	2.70%	0.50%	0.30%	1.00%	2.10%	1.30%	1.80%
	Native Hawaiian and Other Pacific Islander alone, percent	Z	Z	0.10%	Z	Z	Z	Z	0.01%	0.10%
	Two or More Races, percent	1.30%	1.60%	1.90%	1.30%	1.60%	1.40%	1.70%	1.54%	1.80%
	Hispanic or Latino, percent	2.40%	4.60%	4.30%	4.00%	2.80%	3.00%	3.60%	3.53%	5.30%
	White alone, not Hispanic or Latino, percent	54.50%	65.20%	58.60%	66.50%	77.30%	64.70%	78.40%	66.46%	58.40%
Population	Veterans, 2015-2019	3,005	11,770	2,748	1,154	2,690	2,206	3,278	T = 26,851	243,335
Characteristics	Foreign born persons, percent, 2015-2019	0.90%	4.20%	3.80%	3.30%	1.30%	1.80%	2.60%	2.56%	4.20%
Income & Poverty	Median household income (in 2019 dollars), 2015-2019	\$36,403	\$56,999	\$46,861	\$31,965	\$43,396	\$48,656	\$51,945	\$ 45,175	\$49,469
	Per capita income in past 12 months (in 2019 dollars), 2015-2019	\$21,162	\$31,892	\$23,290	\$18,770	\$23,122	\$24,997	\$25,342	\$ 24,082	\$27,923
	Persons in poverty, percent	22.60%	16.60%	21.90%	28.60%	20.30%	18.70%	17.00%	20.81%	19.00%
Health	With a disability, under age 65 years, percent, 2015-2019	8.10%	8.60%	12.80%	18.40%	14.40%	10.50%	13.00%	12.26%	11.10%
	Persons without health insurance, under age 65 years, percent	9.90%	8.40%	10.20%	10.00%	9.80%	9.40%	11.00%	9.81%	10.50%
Families & Living Arrangements	Households, 2015-2019	30,485	91,543	26,184	12,172	22,236	19,749	22,086	T = 22,4455	1,739,497
	Persons per household, 2015-2019	2.69	2.59	2.71	2.63	2.76	2.71	2.69	2.68	2.61
	Living in same house 1 year ago, percent of persons age 1 year+	90.00%	83.70%	86.40%	86.40%	89.80%	91.70%	87.10%	87.87%	87.20%
	Language other than English spoken at home, percent of persons	8.00%	10.10%	10.30%	18.90%	10.00%	16.40%	15.70%	12.77%	8.00%
Education	High school graduate or higher, percent of persons age 25 years+	76.70%	88.60%	79.90%	75.70%	79.00%	81.90%	77.90%	79.96%	85.20%
	Bachelor's degree or higher, percent of persons age 25 years+, 2015-2019	14.80%	33.00%	13.60%	11.60%	13.30%	14.50%	14.20%	16.43%	24.10%

As of March 17, 2021

COVID-19 CASES



Louisiana Coronavirus (COVID-19) Information

New Cases*

447

New Deaths*

30

New Tests*

22,560

Total Cases

439,002

Total Deaths

9,955

Total Tests

6,289,160

376,152

Confirmed

62,850

Probable

9,184

Confirmed

771

Probable

5,793,735

Molecular

495,425

Antigen

COVID Patients

446

in Hospitals*

COVID Patients

66

on Ventilators*

Presumed Recovered

426,243

as of March 15th*

COVID-19 OVERALL IMPACT ON LDH REGION 4

- Approximately 13% of the **population** of Louisiana resides in LDH Region 4.
- Region 4 contributes 11.7% of the state's 439,002 **total cases**.
- Region 4 contributes 10.7% of the state's 9,955 **total deaths**.

Updated March 17, 2021



LDH Region 4 - Acadiana

Parishes within LDH Region 4

Acadia

Evangeline

Iberia

Lafayette

St. Landry

St. Martin

Vermilion

Total Cases

51,406

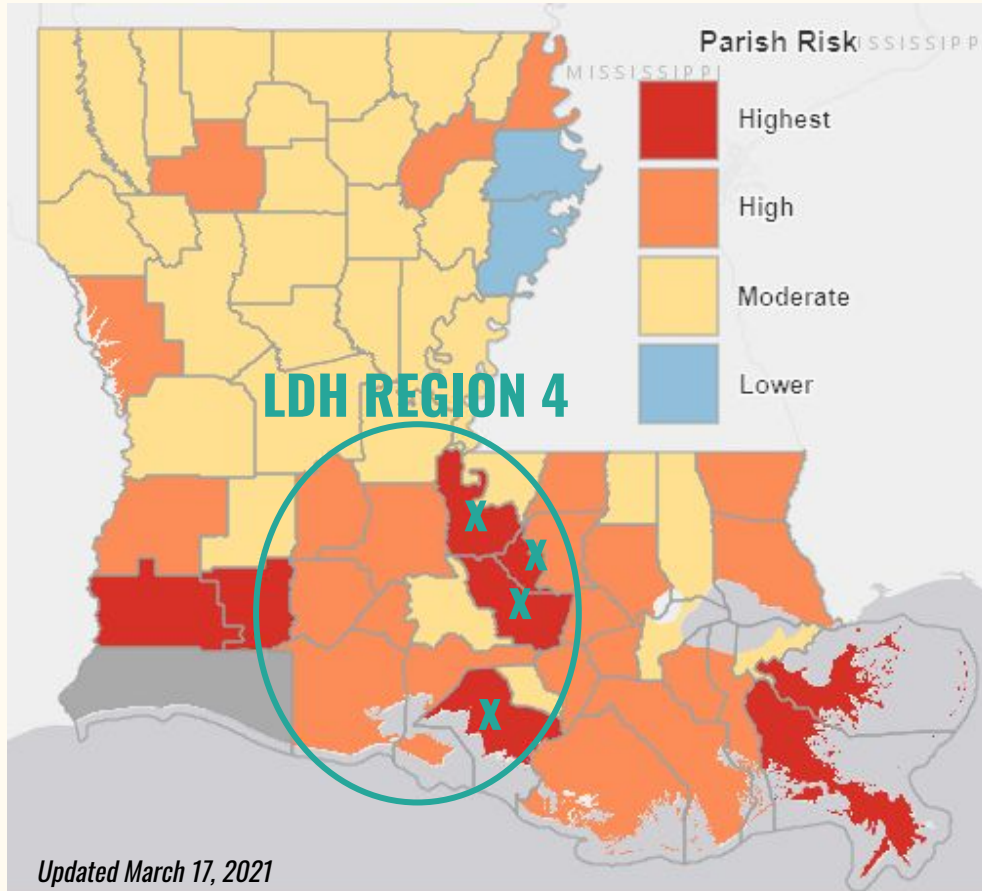
in LDH Region 4 as
of 3/17/2021

Total Deaths

1,068

in LDH Region 4 as
of 3/17/2021

COVID-19 COMMUNITY RISK IN LOUISIANA



Community risk categorization is based on a community indicator classification system developed by CDC. Determination of each parish's risk of COVID-19 spread in the community is based on the number of new cases per 100,000 population (incidence) and the percentage of molecular tests that are positive (percent positivity) over the most recent one-week reporting period. Each parish's risk category is defined by the higher categorization of the two indicators reported.

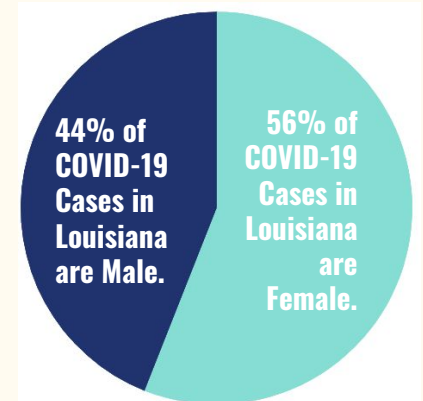
Risk Category*	Cumulative 7 day incidence per 100,000	Cumulative 7 day percent positivity	Interpretation
Highest	> 100	> 10%	Widespread, uncontrolled transmission with many undetected cases.
High	51 - 100	> 8 - 10%	Many cases including community spread, with undetected cases likely.
Moderate	10 - 50	5 - 7%	Moderate number of cases with most cases from a known source.
Lower	< 10	< 5%	Cases are rare and spread is able to be controlled around individual cases.

*Risk Category is determined by the higher of the two indicators.

LDH REGION 4:

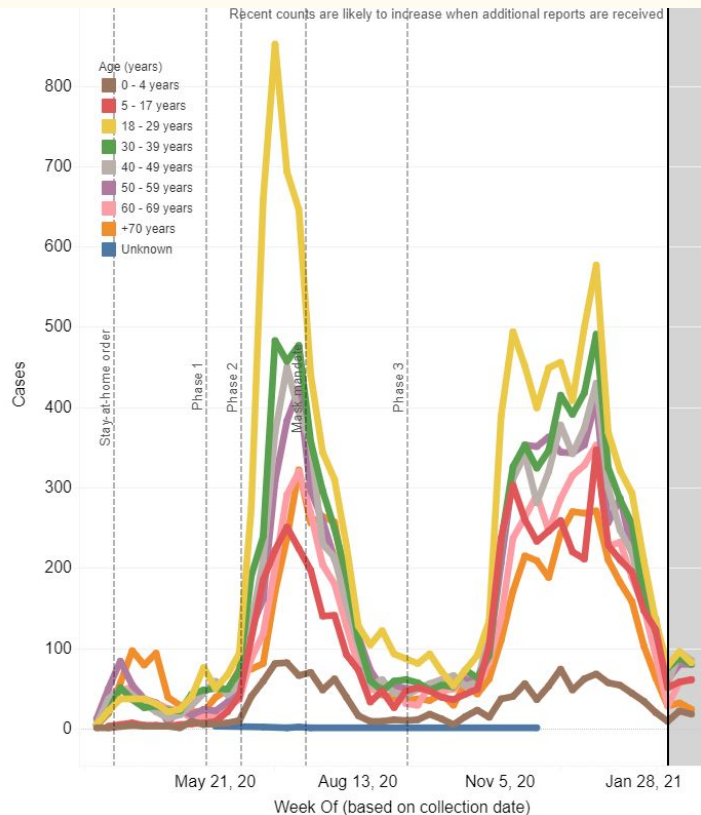
- 6 Parishes at High Risk
- 1 Parish at Moderate Risk

NOTE: Parishes with "x" are not a part of LDH Region 4.

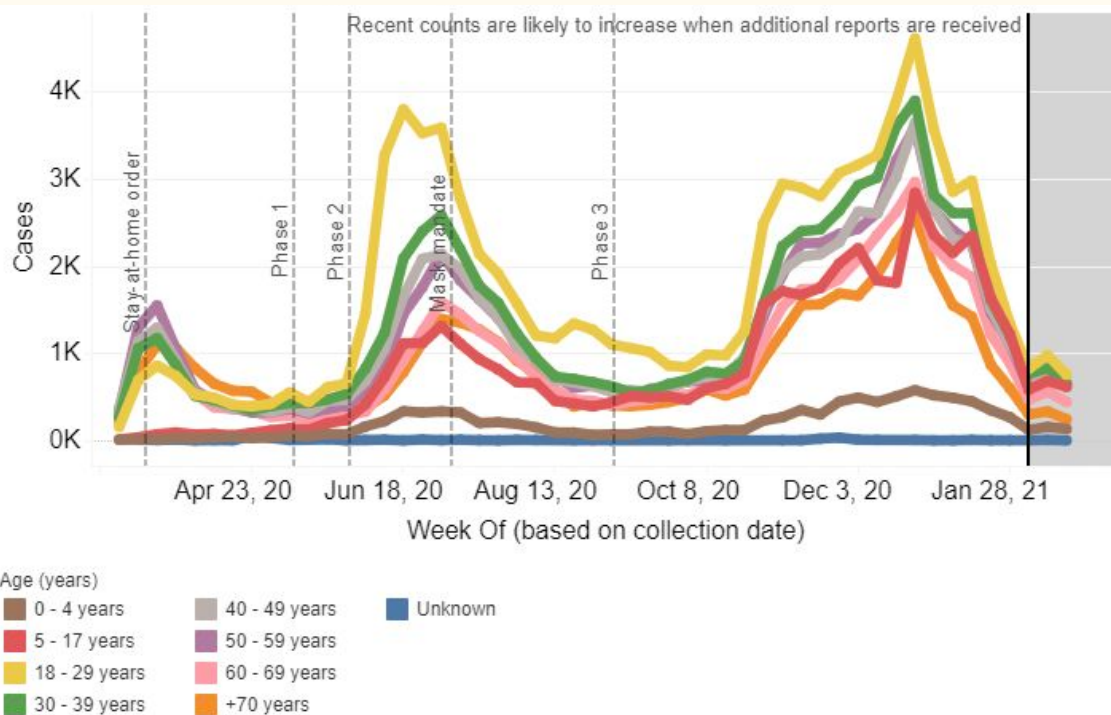


COVID-19 CASES OVER TIME FOR AGE GROUPS

LDH REGION 4 -- ACADIANA



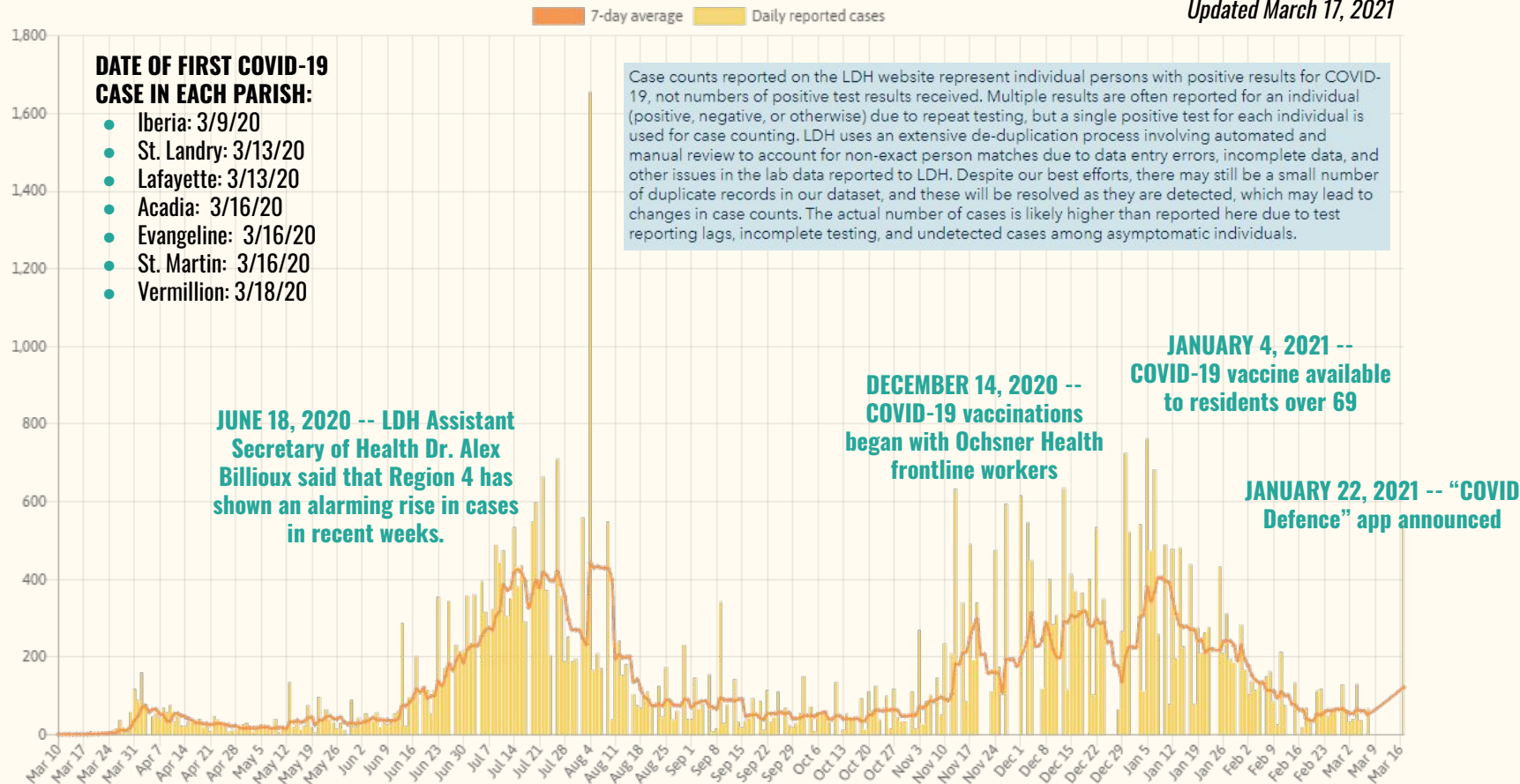
ENTIRE STATE OF LOUISIANA



Updated March 17, 2021

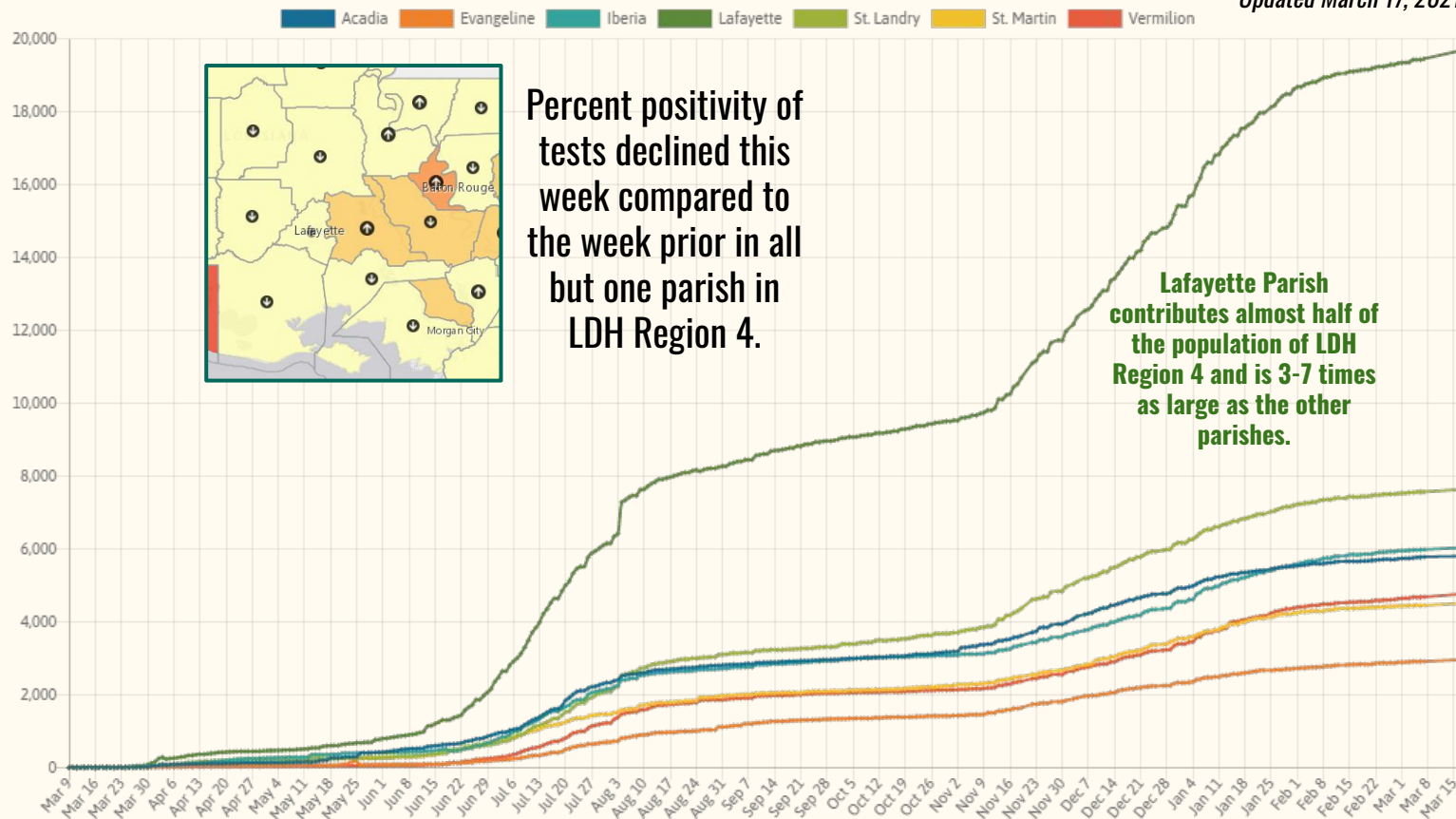
NEW REPORTED CASES BY DAY IN LDH REGION 4

Updated March 17, 2021



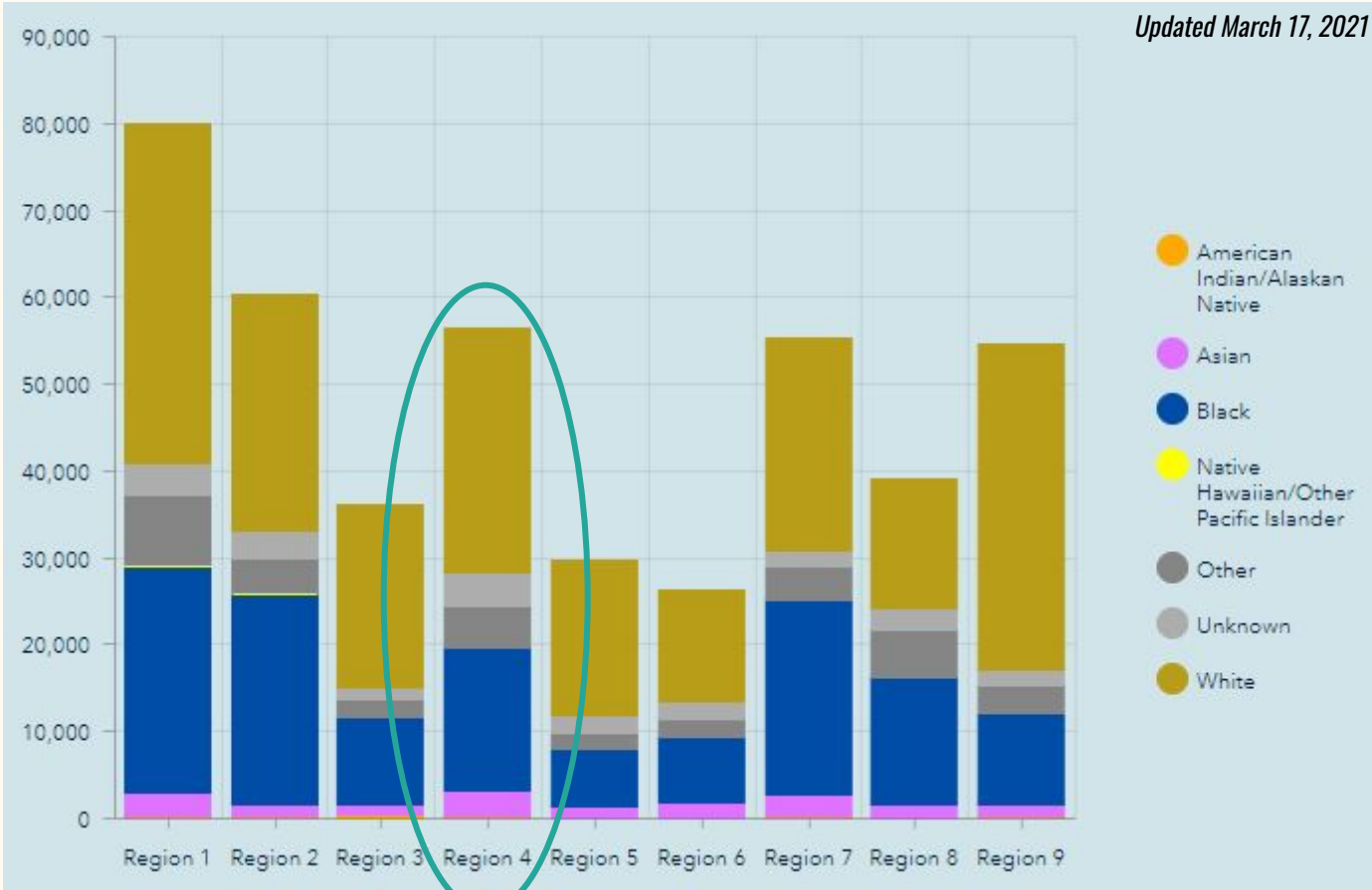
CUMULATIVE COVID-19 CASES BY PARISH IN LDH REGION 4

Updated March 17, 2021



COVID-19 CASES BY RACE IN LDH REGION 4

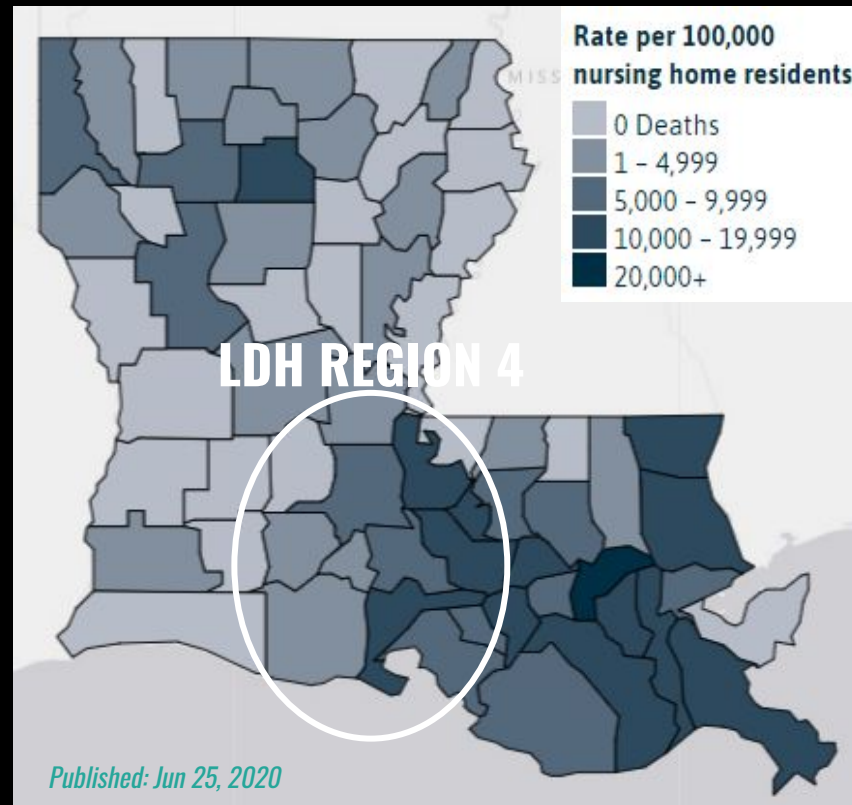
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CASES IN CONGREGATE SETTINGS OF THE ELDERLY IN LOUISIANA

Nursing Home Deaths by Race	%NH Deaths
American Indian/Alaska Native	0.1%
Asian	.5%
Black	31.0%
Native Hawaiian/Other Pacific Islander	0.2%
Other	0.3%
White	67.9%

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MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C) IN LOUISIANA

As of 03/17/2021

Confirmed Cases 140

Deaths 5

Age Range 0-19

Median Age 7

Gender:

Female 51 (36.5%)

Male 89 (63.5%)

Clinical Status:

Hospitalized 2 (1.4%)

Discharged 133 (95%)

Died 5 (3.6%)

Race:

Asian 3 (2.1%)

Black 69 (49.3%)

Other 16 (11.4%)

White 52 (37.1%)

Unknown 0

Ethnicity:

Hispanic 27 (19.3%)

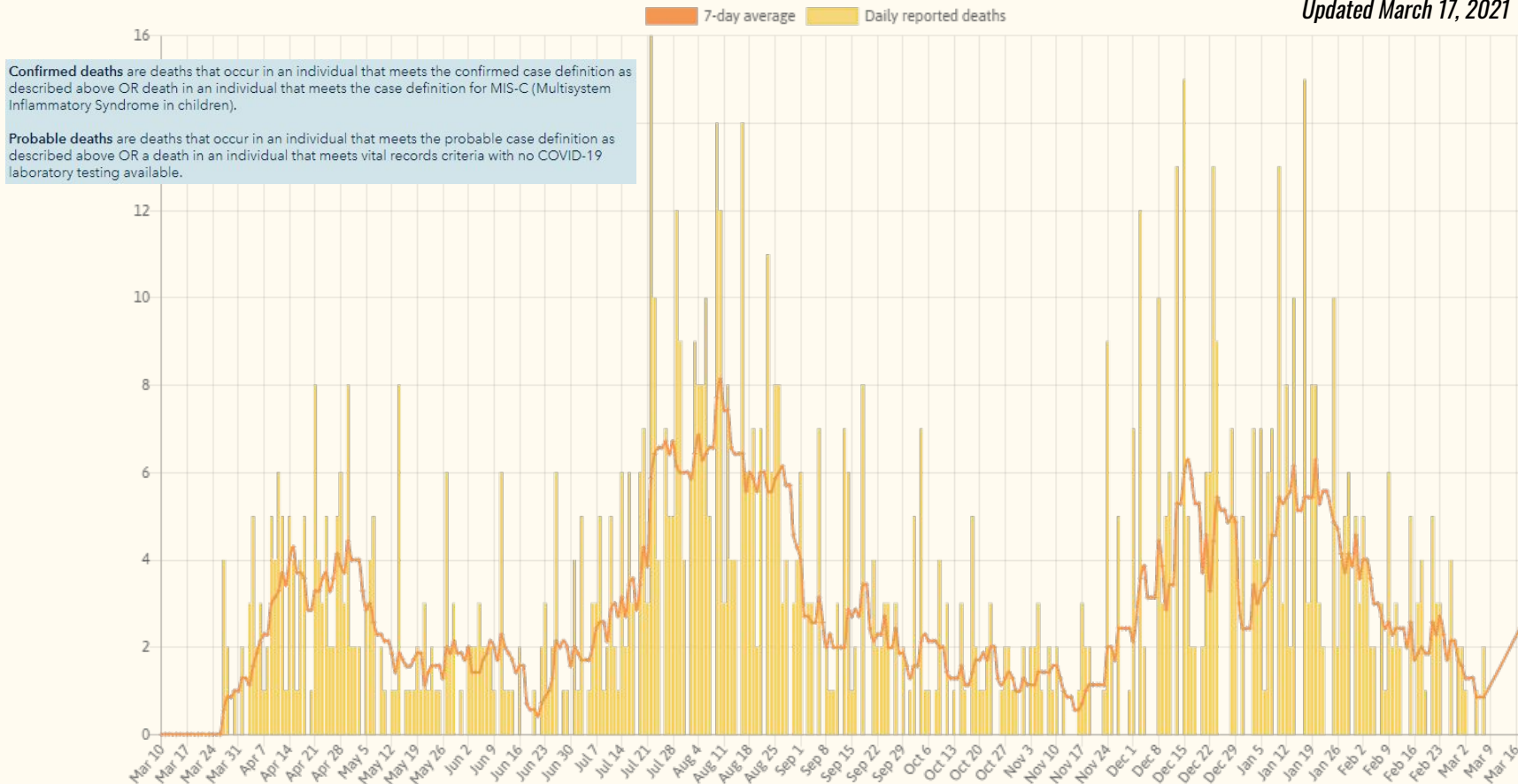
Non-Hispanic 113 (80.7%)

- Multisystem Inflammatory Syndrome in Children (MIS-C) is a condition where different body parts can become inflamed, including the heart, lungs, kidneys, brain, skin, eyes or gastrointestinal organs.
- **The cause of MIS-C is unknown but many children with this condition had the virus that causes COVID-19 or had been exposed to someone with COVID-19.**
- **Black male children seem to be disproportionately affected.**
- To respect the privacy of patients and their families, the Department of Health will not share additional information about deaths at this time.

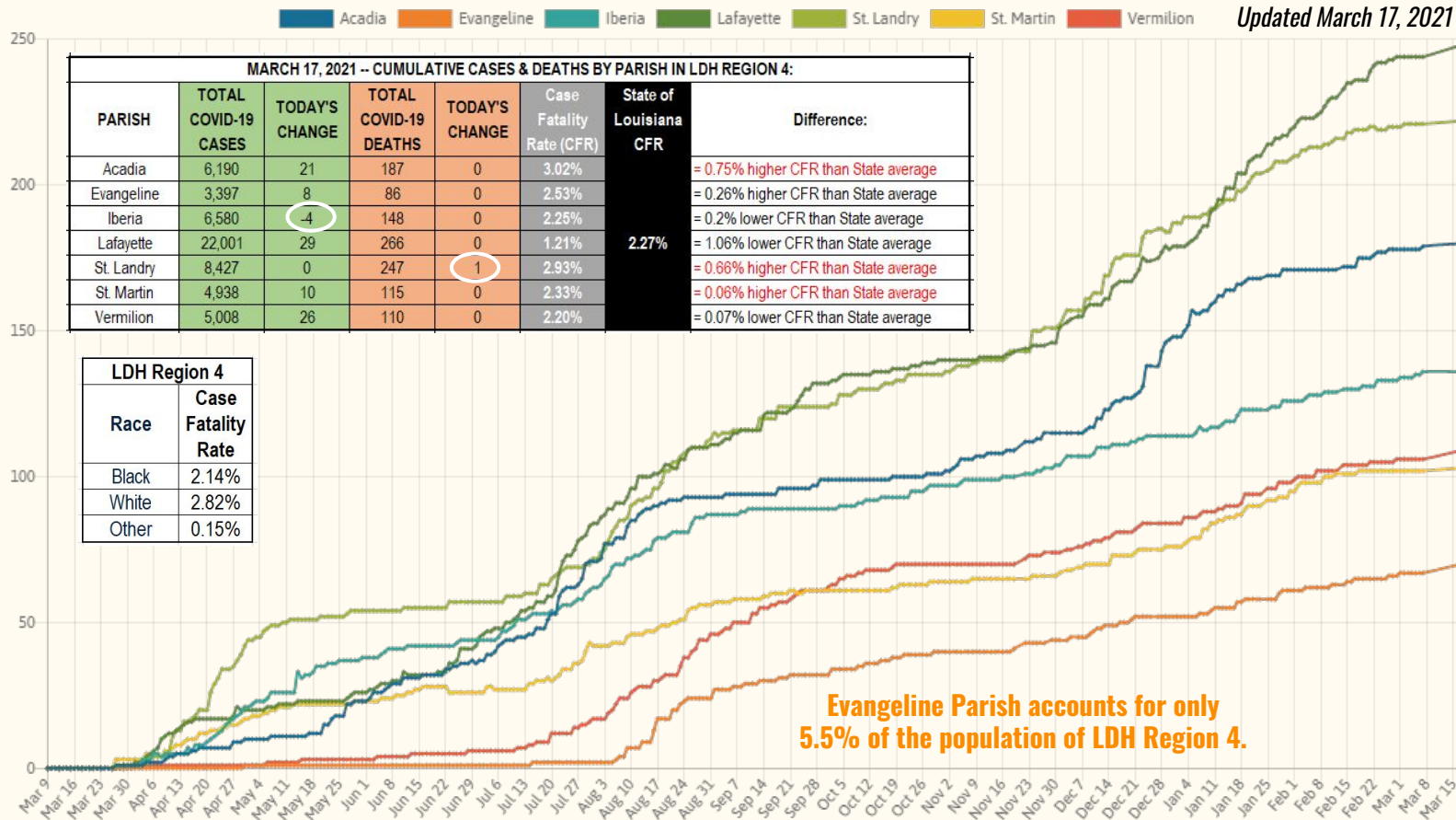
COVID-19 DEATHS

NEW REPORTED DEATHS BY DAY IN LDH REGION 4

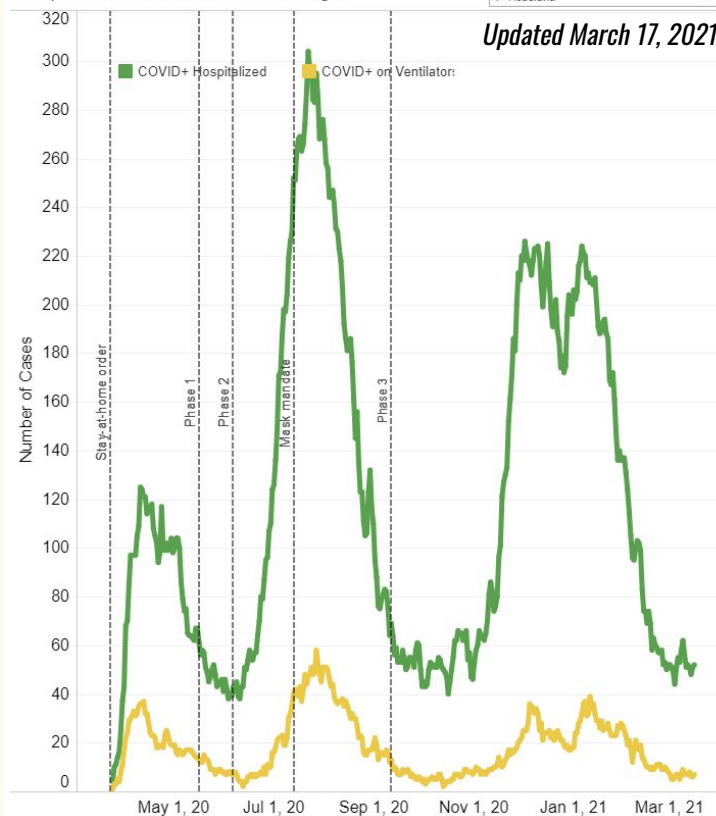
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CUMULATIVE COVID-19 DEATHS BY PARISH IN LDH REGION 4

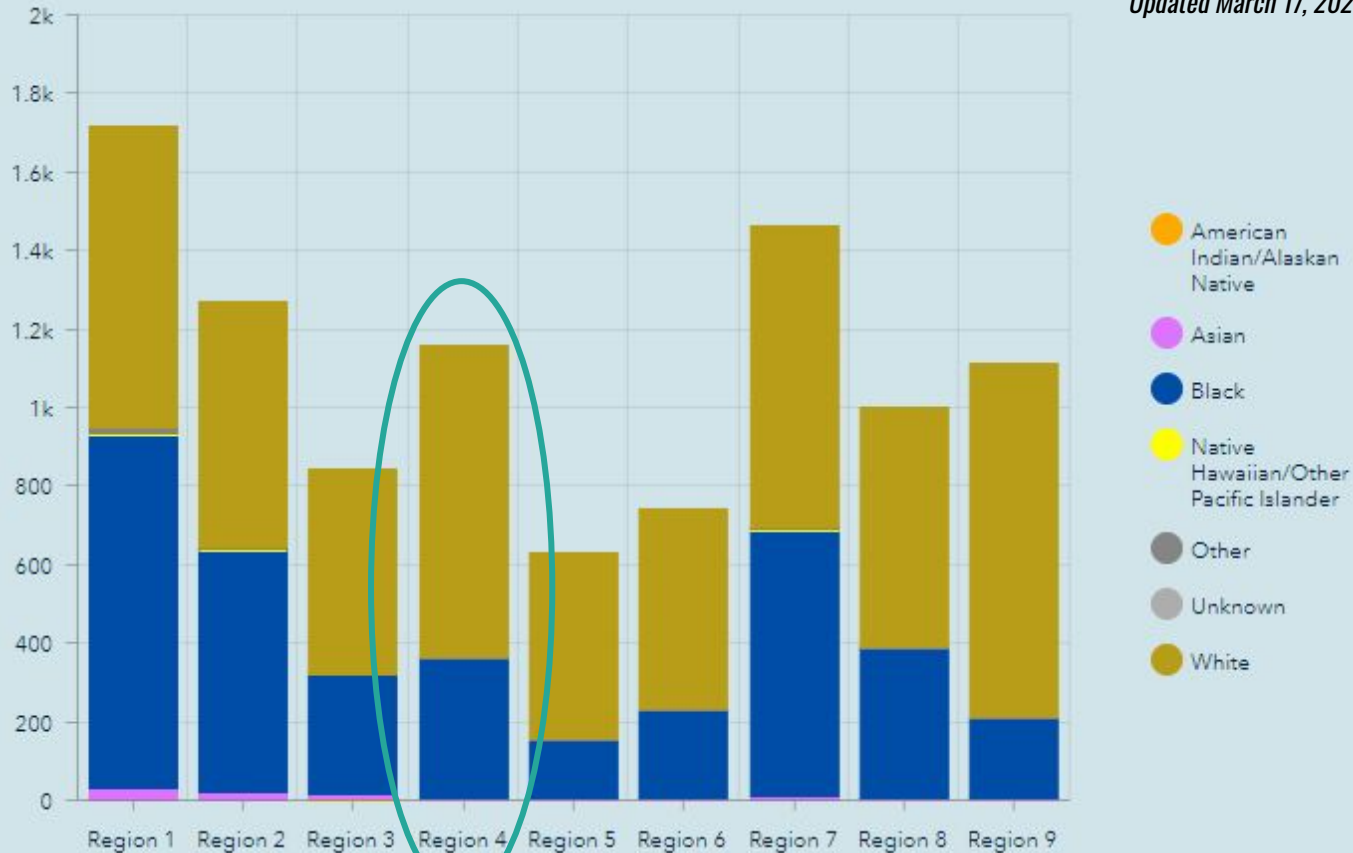


COVID-19 HOSPITALIZATIONS AND VENTILATOR USE IN LDH REGION 4



COVID-19 DEATHS BY RACE IN LDH REGION 4

Updated March 17, 2021



ADDITIONAL DATA ON COVID-19 DEATHS IN THE STATE OF LOUISIANA:

Race

American Indian/Alaska N..	0.15%
Asian	0.81%
Black	38.44%
Native Hawaiian/PI	0.08%
Other	0.40%
Unknown	0.01%
White	60.06%

Ethnicity

Hispanic/Latino	2.50%
Non-Hispanic/Latino	94.10%
Unknown	3.40%

Age (years)

Average	75
Median	76

Underlying Conditions

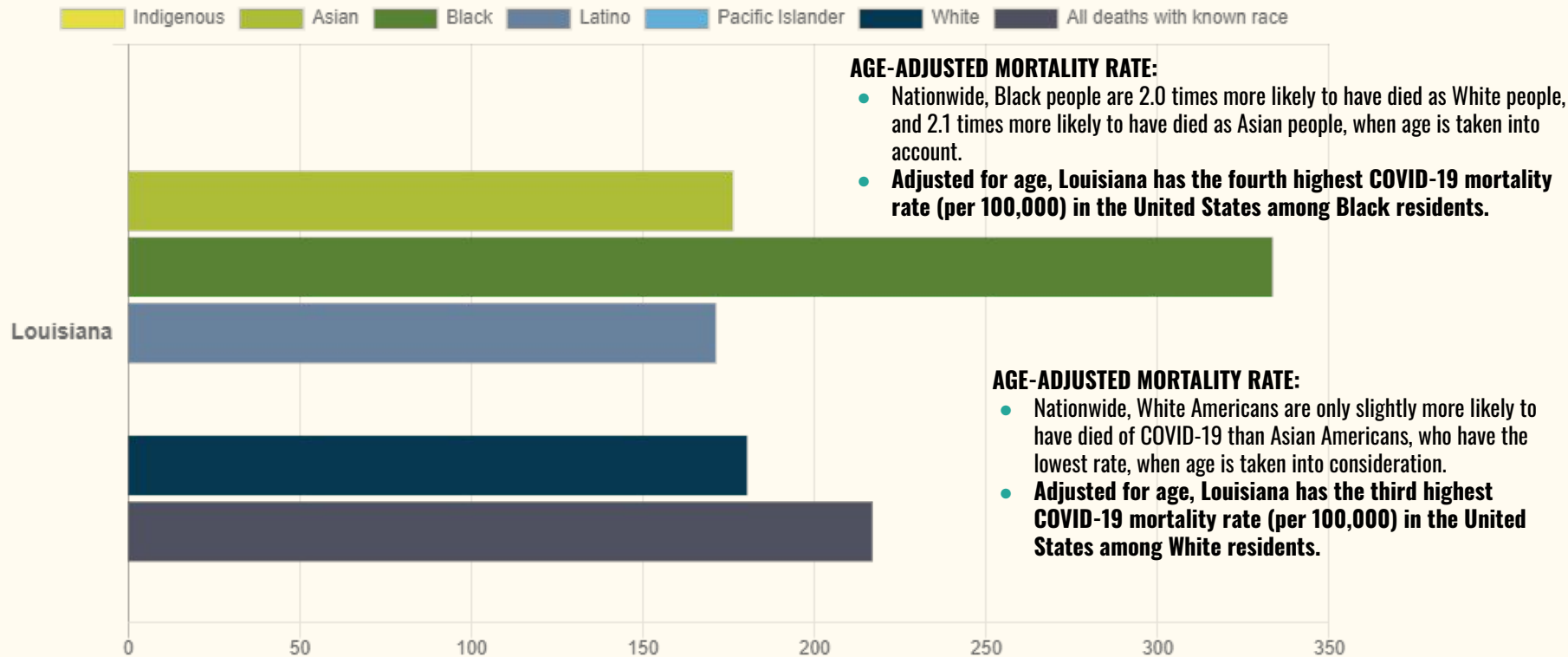
Asthma	4.12%
Cancer	8.82%
Cardiac Disease	27.01%
Chronic Kidney Disease	21.43%
Congestive Heart Failure	16.27%
Diabetes	36.94%
Hypertension	62.73%
Neurological	26.31%
Obesity	21.10%
Pulmonary	14.67%
None	4.20%

Gender

Female	46.80%
Male	53.20%
Unknown/Other	0.00%

Information in these tables is based on deaths where there is complete epidemiologic data. It is updated every two weeks. Last updated 3/10/2021.

LOUISIANA AGE-ADJUSTED COVID-19 DEATHS PER 100,000 PEOPLE, THROUGH MARCH 2, 2021

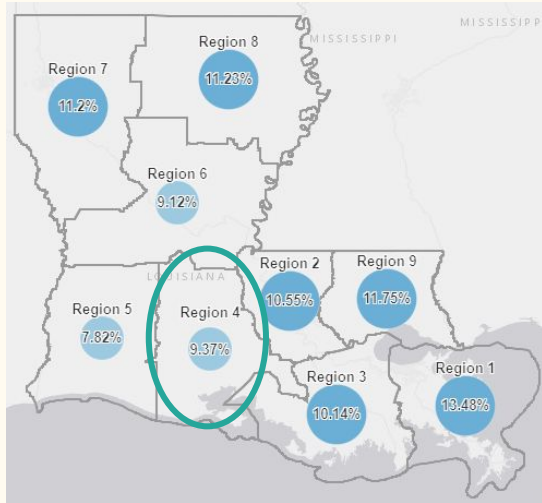


* Latino ethnicity is reported overlapping with race groups in Louisiana.

COVID-19 VACCINE

COVID-19 VACCINATION IN LDH REGION 4

PERCENT OF POPULATION COMPLETE



Region 4 Vaccine Info

Series 96,065
Initiated
Population 606,054
Initiation Rate 15,850.90
per 100k

Region 4 Vaccine Info

Series 56,760
Completed
Population 606,054
Percent of 9.37%
Population
Complete

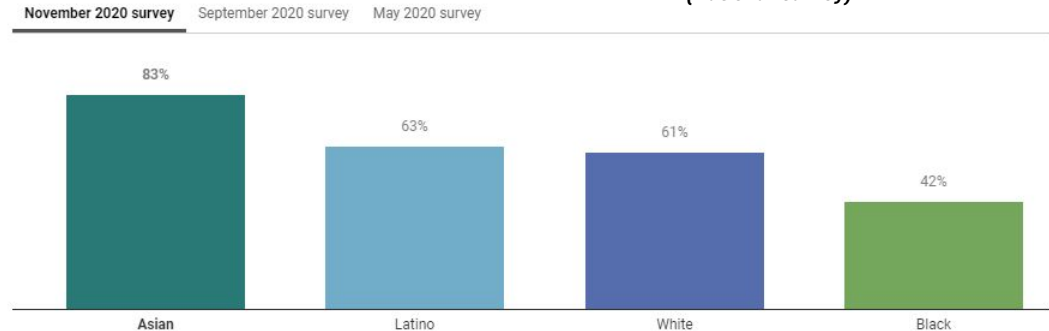
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LOUISIANA VACCINE FACTS

- 77.4% of total doses distributed to Louisiana have been administered.
 - Louisiana ranks 36th nationally in its vaccine administering progress.
- 19.9% of the population in Louisiana have initiated vaccination.
 - Louisiana ranks 39th nationally in immunizing its population.
- If Louisiana continues at its rate of vaccination since mid-December, it will take about 7.6 more months or until November 2021 to vaccinate 70% of its population.
- If Louisiana continues at its rate of vaccination from the past two weeks, it will take about 4.2 more months or until July 2021 to vaccinate 70% of its population.

Interest in getting a COVID-19 vaccine

(National Survey)



Percentage indicating they would "definitely" or "probably" get a vaccine to prevent COVID-19 if it were available today.

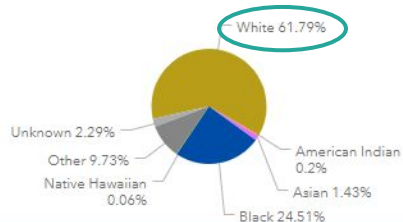
Chart: APM Research Lab • Source: [Pew Research](#) • [Get the data](#) • Created with [Datawrapper](#)

INITIATED COVID-19 VACCINATION DEMOGRAPHICS

INITIATED COVID-19 VACCINATION IN LDH REGION 4

INITIATED COVID-19 VACCINATION IN LOUISIANA

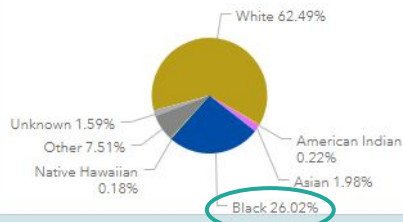
Series Initiated by Race



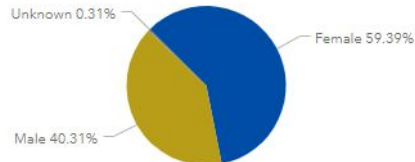
Series Initiated by Gender



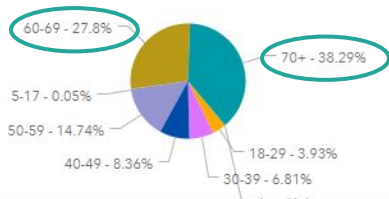
Series Initiated by Race



Series Initiated by Gender



Series Initiated by Age



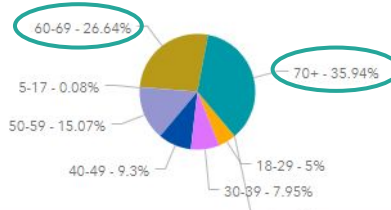
All breakdowns shown here are for Louisiana residents only.

Race data completeness is expected to improve as we continue our outreach with vaccine providers.

All demographic information is subject to change as data quality improves and we learn more.

Updated March 17, 2021

Series Initiated by Age



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Most percentages are fairly consistent with the overall population demographics. However, there are a few discrepancies:

- **Whites in LDH Region 4 have a 7.45% lower** COVID-19 vaccine initiation percentage (61.79%) compared to the overall population demographics for that area (69.24%).
- **Blacks in the State of Louisiana overall have a 6.78% lower** COVID-19 vaccine initiation percentage (26.02%) compared to the overall population demographics statewide (32.80%).
- Persons 65 years and over make up approximately 16% of LDH Region 4 as well as the State. However, **persons 60 years and over account for about 66% of the vaccinations** that have been initiated so far in both LDH Region 4 and the State.
 - While the data above does include an additional 5 year timespan (ages 60-64), the significantly higher percentage is mostly attributed to the fact that the **majority of deaths due to COVID-19 were in the elderly population**. Therefore, due to limited supply, the vaccines were made available to these individuals first.

LIMITATIONS OF COVID-19 DATA IN LOUISIANA

- COVID-19 data collection prone to **interviewer bias and nonresponse bias**.
- **Fewer tests available and uncertain case definitions** and treatment protocols at beginning compared to now.
- **Not all data is easily available**. Some details are provided about Louisiana as a whole or by individual parish. It would be helpful to add LDH Regions to several dropdown options or allow for multiple selections at once in the dropdowns.
- The ability to **compare multiple factors at once** such as age and death would be very beneficial.
- No data regarding new COVID-19 variants was readily accessible for LDH Region 4 or the State of Louisiana.
- **Definitions** (confirmed death, probable death, etc.) **and explanations** (how cases are tabulated, etc.) **are not easy to find**. They should be in more than one location and especially on the landing page instead of having to stumble upon them after clicking through 20 pages data visuals.
- “Cases are assigned to parish based on the residence of the patient. Patients may be hospitalized or seek care outside their Parish of residence.”
 - **Temporary or permanent relocation due to hurricanes and travel to other states/parishes for healthcare may introduce error into these metrics.**

REFERENCES

- <https://ldh.la.gov/coronavirus/>
- <https://ldh.la.gov/index.cfm/page/3965>
- <https://www.apmresearchlab.org/covid/deaths-by-race>
- <https://www.apmresearchlab.org/covid/vaccine-progress>
- <https://www.census.gov/quickfacts/fact/map/LA,US/RHI125219>
- <https://www.datacenterresearch.org/covid-19-statewide/ldh-region.html?region=4>
- https://www.datacenterresearch.org/reports_analysis/lack-of-data-obscures-true-levels-of-racial-inequity-in-covid-deaths/
- <https://www.katc.com/news/coronavirus/covid-19-state-update-437-565-cases-and-9-903-deaths>
- [https://www.katc.com/news/coronavirus/edwards-will-address-states-covid-19-response-after-no-case-numbers-update.](https://www.katc.com/news/coronavirus/edwards-will-address-states-covid-19-response-after-no-case-numbers-update)

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