

# ISSUE BRIEF

## Covid-19 Vaccinations in Southwest Florida

*Amir Borges Ferreira Neto, Interim Director, Regional Economic Research Institute*

*John Shannon, Economic Analyst, Regional Economic Research Institute*

### Introduction

Distribution of Covid-19 vaccinations in the state of Florida began on December 14, 2020. Since then, over 9.2 million people have been inoculated in the state and over 650,000 in Southwest Florida, defined as Charlotte, Collier, Glades, Hendry, and Lee counties. In this Issue Brief, we take a closer look at vaccination trends by demographics in the region and across its counties compared to the state level trends. Data is provided by the Florida Department of Health and is available at county level on a daily basis. In this analysis, we look at data between January 20, 2021 and May 1, 2021.

We focus on four demographic characteristics: age, gender, race, and ethnicity. For age, we break our analysis down into three age groups: 16 to 24 years, 25 to 64 years, and 65 years and over. For race, we focus on white and black populations only. And for ethnicity, we focus on Hispanic and non-Hispanic groups. Analysis for all demographic categories are presented as percent of total population, using 2019 data obtained from the American Community Survey 5-year estimates.

Because of the scarcity in Covid-19 vaccinations early on, vaccines were rolled out in phases, based primarily on age groups and occupations. Thus, it is important to have a timeline of the Covid-19 vaccination in the state.<sup>1</sup>

### Covid-19 Vaccination Timeline

Date	Event
December 14, 2020	First vaccines distributed in Florida. Vaccines were made available to health care workers and people in nursing homes.
February 12, 2021	Vaccinations made available at additional sites (pharmacies and supermarkets).
March 3, 2021	EO 21-47 goes into effect. The executive order expands eligibility to include: <ul style="list-style-type: none"> <li>• Long-term care facility residents and staff;</li> <li>• Persons 65 years of age and older;</li> <li>• Persons under 65 years old deemed medically vulnerable by a physician (form required) and may only be administered by physician, advanced practice registered nurse, or licensed pharmacist;</li> <li>• Health care personnel with direct patient contact;</li> <li>• K-12 school employees 50 years of age and older;</li> <li>• Sworn law enforcement officers 50 years of age and older; and</li> <li>• Firefighters 50 years of age and older.</li> </ul>
March 15, 2021	EO 21-62 goes into effect. The executive order expanded eligibility to include all individuals over the age of 60, as well as individuals specified in EO 21-47.
March 22, 2021	EO 21-67 goes into effect. The executive order expanded eligibility to include all individuals over the age of 50.
March 29, 2021	EO 21-79 goes into effect. The executive order expanded eligibility to include all individuals over the age of 40.
April 5, 2021	Executive order EO 21-79 expanded eligibility to include all individuals over the age of 18.
April 13, 2021	Distribution of Johnson & Johnson vaccine is paused due to safety reasons.
April 26, 2021	Distribution of Johnson & Johnson vaccine is reinitiated.

<sup>1</sup> For more details see: <https://floridahealthcovid19.gov/latest-vaccine-updates/>

# Covid-19 Vaccinations in Southwest Florida

This section presents the analyses of the Covid-19 vaccinations aggregated for the Southwest Florida region. First, we present the share of population vaccinated, then we break it down by age, gender, race and ethnicity subgroups, respectively. During the first few days of vaccination the region was below the state level vaccination as a share of the population, but since early February the regional level is above the state level. On May 1, 46.7 percent of the population in the region had been vaccinated.

When looking at the age groups, the groups of 16 to 24 years and 25 to 64 years are below the state level vaccination share, especially for the younger group. As of May 1, 14.1 percent of the 16 to 24 age group was vaccinated while 39.6 percent of the 25 to 64 age group was vaccinated. As for the oldest group (65 years and over), until early March the region was below the state level in vaccination share of population, but since then surpassed the state share of vaccines, reporting 89.7 percent on May 1.

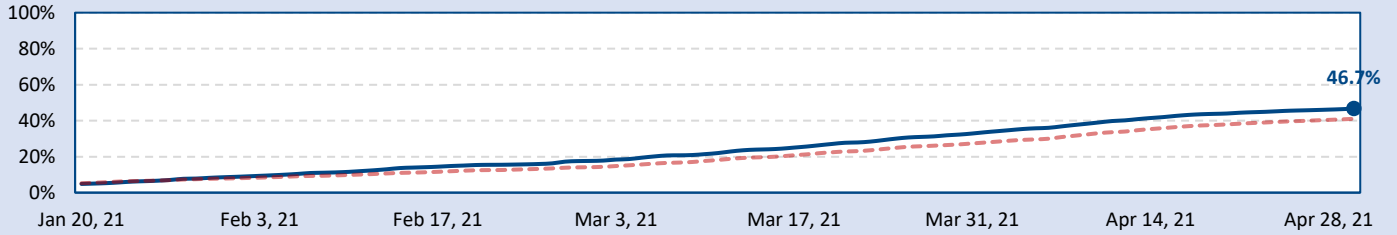
In terms of gender, regional shares for both males and females trended above the state share, recording 49.8 percent for women and 42.6 percent for men on May 1. White population for both the region and the state have recorded over two times the level of vaccination compared to the black population. The regional levels for the white population have been slightly above the state level, marking 38.2 percent on May 1. However, less than 20 percent of the Black population has been vaccinated statewide, and in Southwest Florida this share is only 14 percent.

Lastly, although for the state level Hispanic and non-Hispanic groups have similar share of vaccination, in the region there is a larger gap. Non-Hispanic population trends are above the state level and recorded 31.5 percent vaccination rate compared to 18.4 percent of the Hispanic population.

# Covid-19 Vaccinations

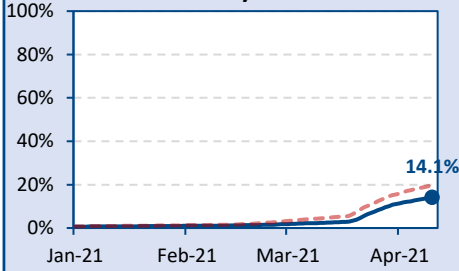
## Southwest Florida

### Overall

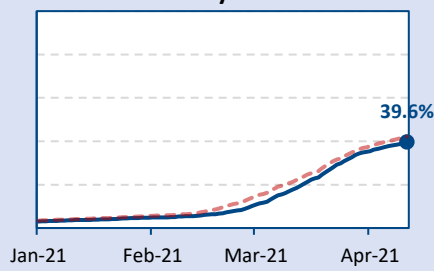


### By Demographic (Percent of Total Population)

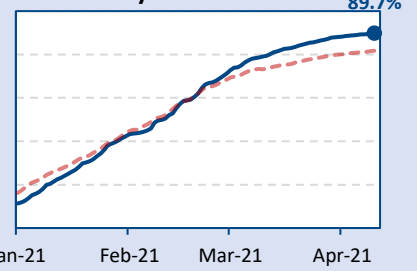
#### 16 to 24 years old



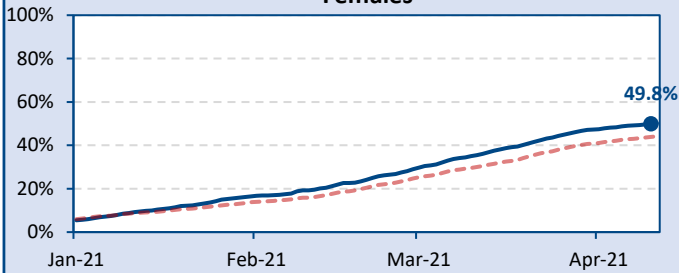
#### 25 to 64 years old



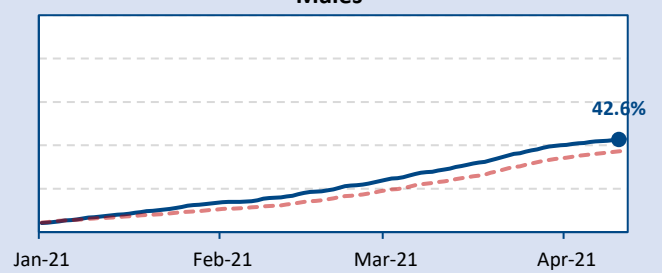
#### 65 years and over



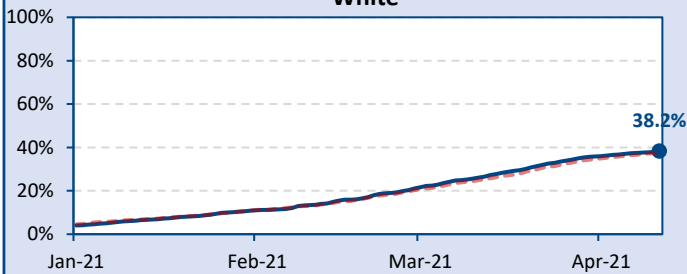
#### Females



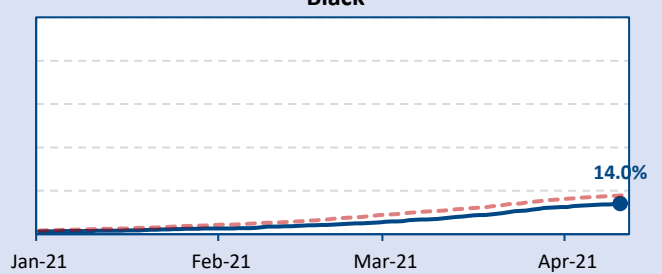
#### Males



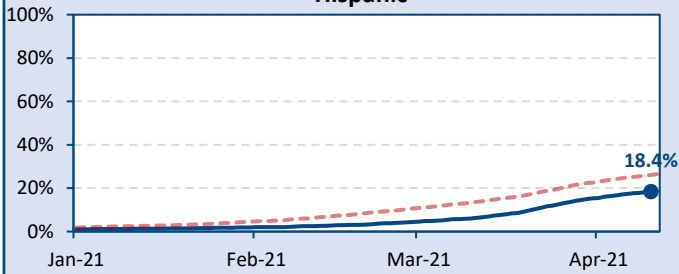
#### White



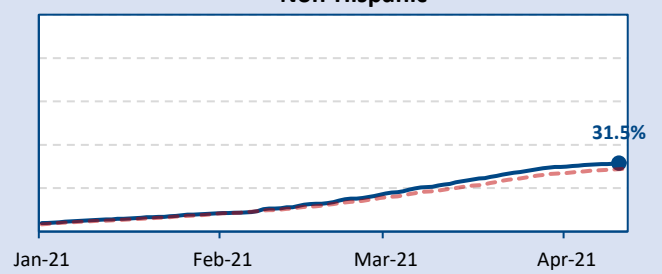
#### Black



#### Hispanic



#### Non-Hispanic



—● Southwest Florida      — Florida

Source: Florida Department of Health; U.S. Census Bureau, 2019 American Community Survey 5-year Estimates

# Covid-19 Vaccinations by County

Now we turn to the analysis of the vaccination trends by demographics focusing on each county. Below we highlight some of the most interesting patterns across demographics:

## *Age*

- The youngest subgroup (16 to 24 years-old) in each Southwest Florida county was below the state as of May 1.
- For the 25 to 64 years-old group, Charlotte and Collier County were around state level with 43.6 percent and 43.7 percent, respectively. Hendry and Lee counties were both below the 40 percent level, while only 18.4 percent of this population was vaccinated in Glades.
- Most counties in the region were above or around the state level share of vaccination for the 65 and older group. Charlotte and Collier had almost 94 percent of this population group vaccinated, followed by Lee with 87.5 percent, Hendry with 78.7 percent, and Glades with 44.8 percent.

## *Gender*

- For both genders, Charlotte, Collier and Lee counties were above the state level while Glades and Hendry were below state level vaccination share.
- In all counties, with exception of Glades, the share of women who were vaccinated was higher than the share of vaccinated men.
- Charlotte County had the largest share of population vaccinated for both genders, 61 percent for female and 52.7 percent for male.

## *Race*

- In all counties, the white population had a higher vaccination rate than the black population. The difference in rates (white-to-black ratio) varies from 1.62 in Hendry to 3.27 in Collier, with a mean of 2.46 and median of 2.65 (Glades).
- Charlotte has vaccinated 48.3 percent of its white population, followed by Collier (37.6 percent) and Lee (36.8 percent), Hendry (25 percent) and Glades (21.2 percent)
- Charlotte has vaccinated 22.4 percent of its black population, followed by Hendry (15.4 percent) and Lee (14.1 percent), then Collier (11.5 percent) and Glades (8 percent)
- For white population, Charlotte was above the state level, while Collier and Lee were at the state level. Both Glades and Hendry were below state level.
- For black population, Charlotte was slightly above state level, Hendry and Lee were around state level, and Collier and Glades were both below state level.

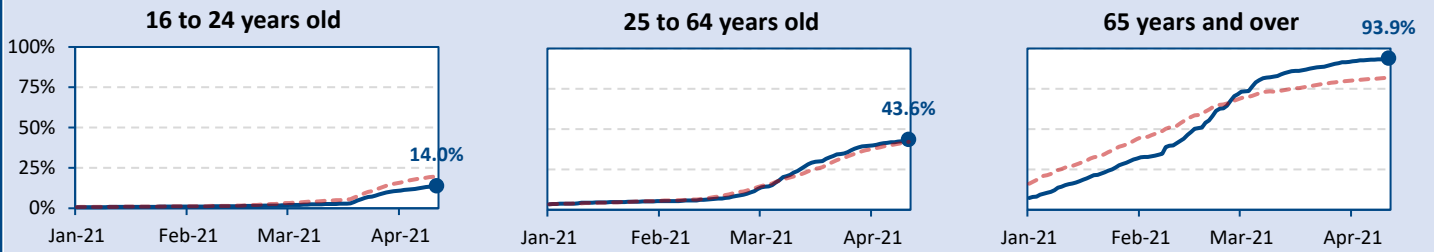
## *Ethnicity*

- The Hispanic population share vaccinated in all five counties was below the state level, while for non-Hispanic this was only true for Glades and Hendry counties.
- The largest share of Hispanic population vaccinated was in Charlotte County with 23.4 percent, followed by Glades (20.6 percent), Hendry (20 percent), Lee (18.9 percent) and Collier (17.5 percent)
- The only county with a larger share of the Hispanic population vaccinated compared to non-Hispanic population was Glades County.
- The difference in rates (non-Hispanic to Hispanic ratio) varies from 0.54 in Glades to 1.81 in Collier, with a mean of 1.31 and median of 1.58 (Charlotte).

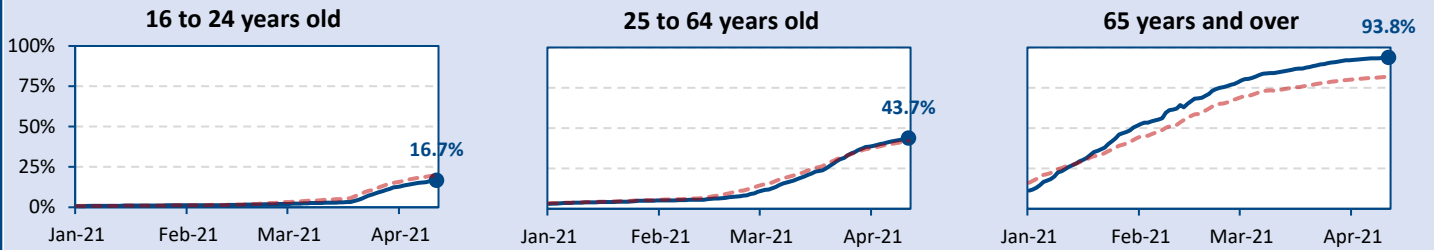
# Covid-19 Vaccinations by Age Group

Percent of Total Population

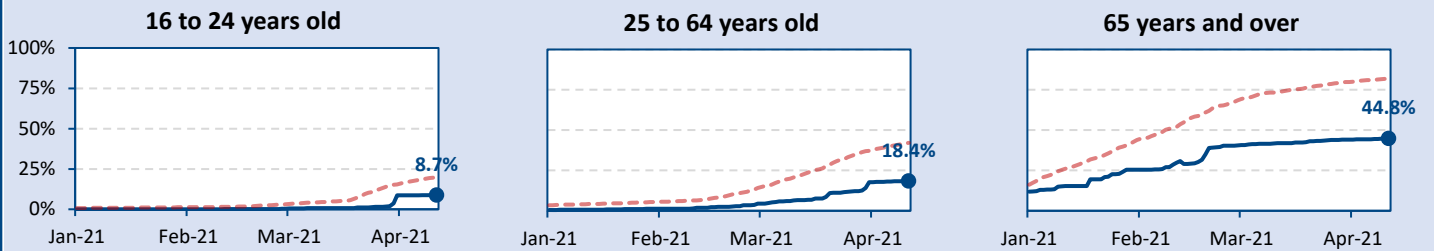
## Charlotte County



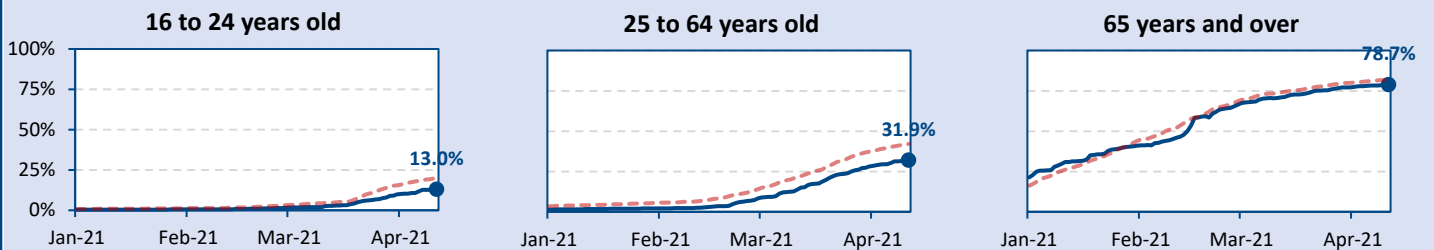
## Collier County



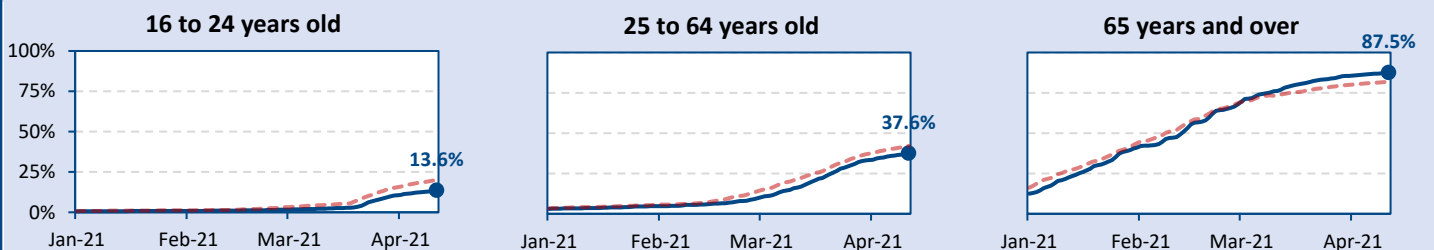
## Glades County



## Hendry County



## Lee County



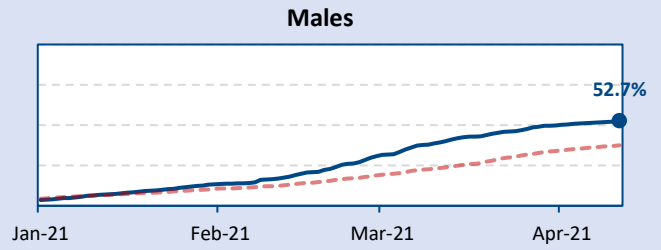
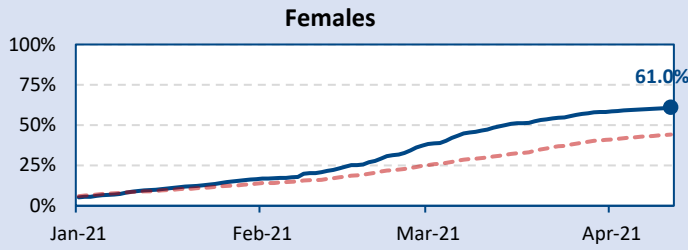
—●— County      — Florida

Source: Florida Department of Health; U.S. Census Bureau, 2019 American Community Survey 5-year Estimates

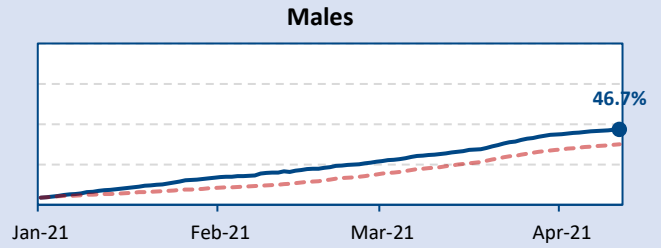
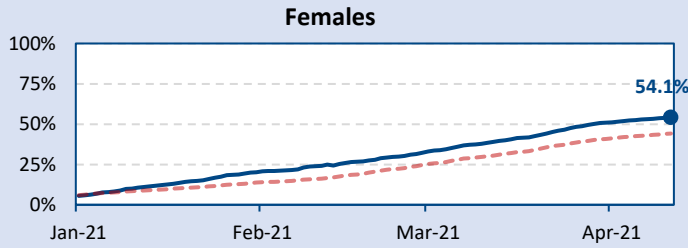
# Covid-19 Vaccinations by Gender

Percent of Total Population

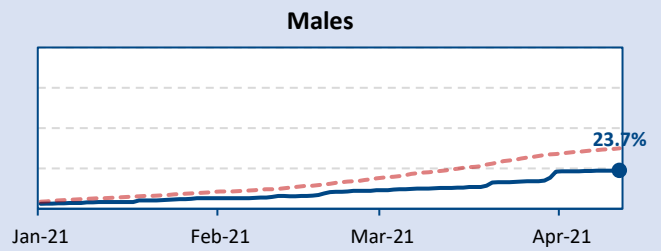
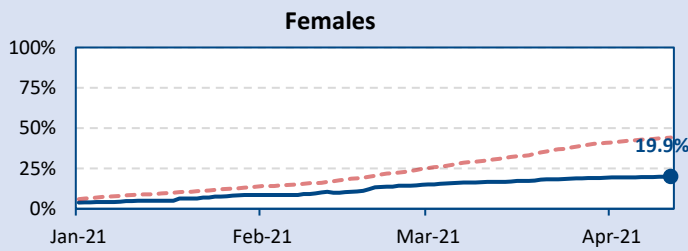
## Charlotte County



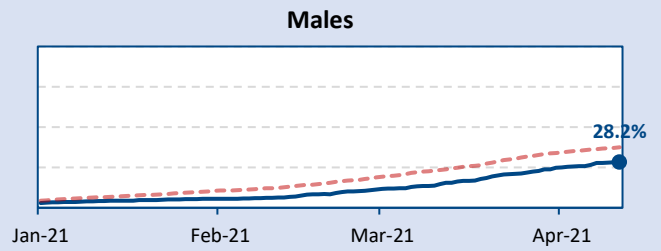
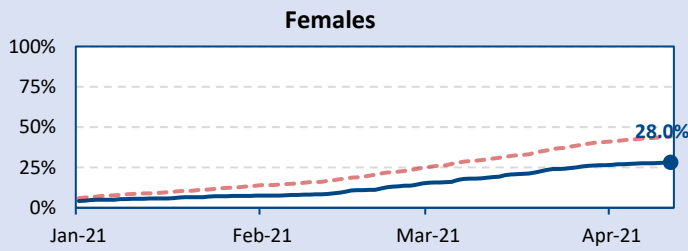
## Collier County



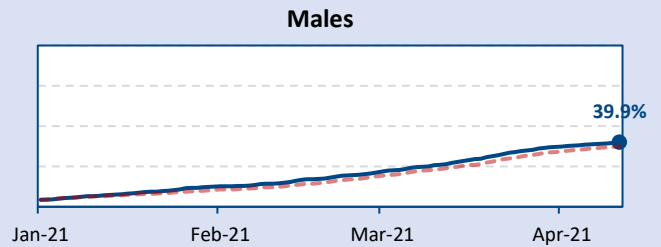
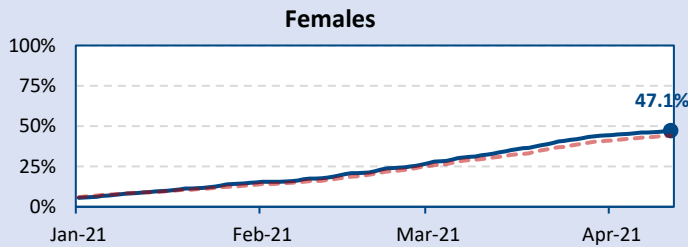
## Glades County



## Hendry County



## Lee County



—●— County

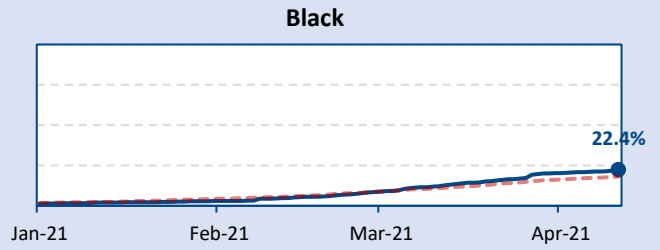
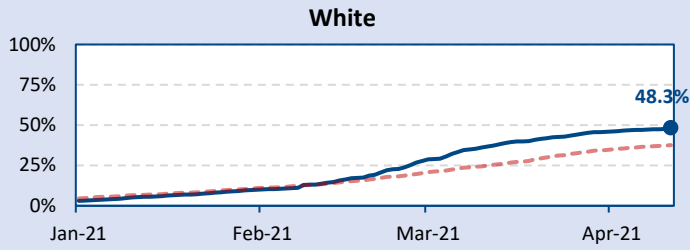
— Florida

Source: Florida Department of Health; U.S. Census Bureau, 2019 American Community Survey 5-year Estimates

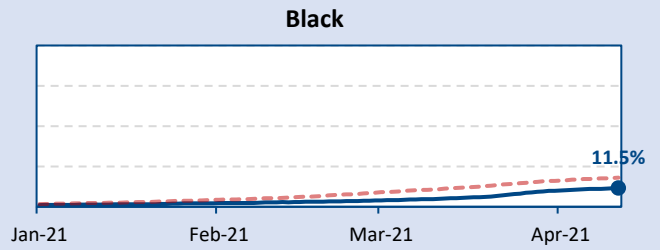
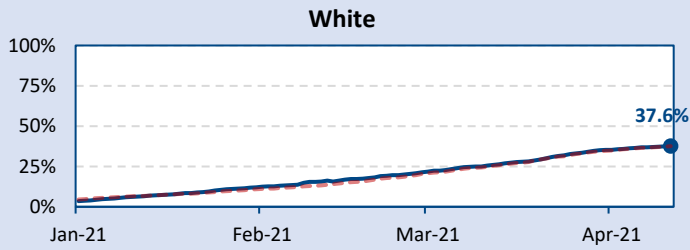
# Covid-19 Vaccinations by Race

Percent of Total Population

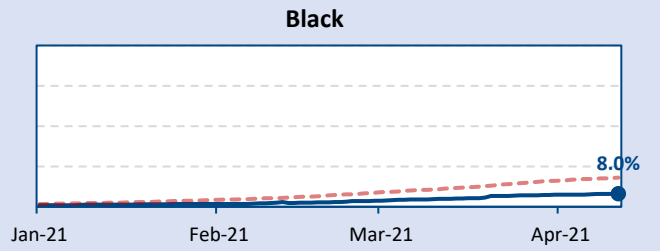
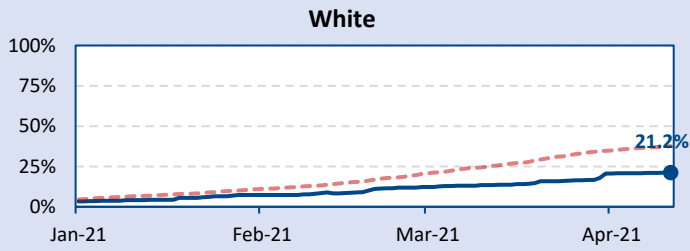
## Charlotte County



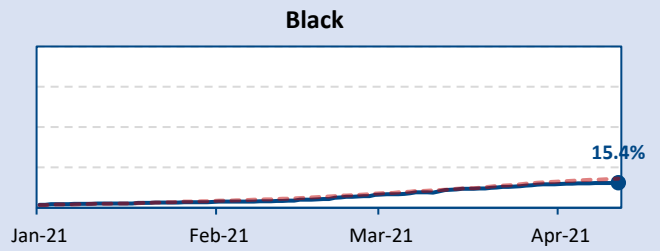
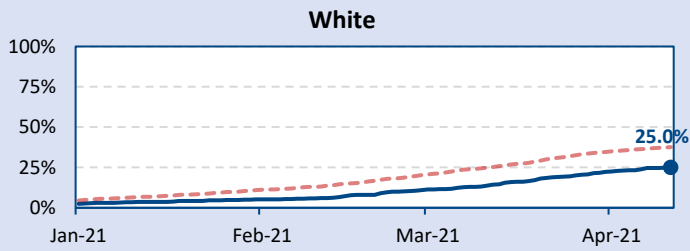
## Collier County



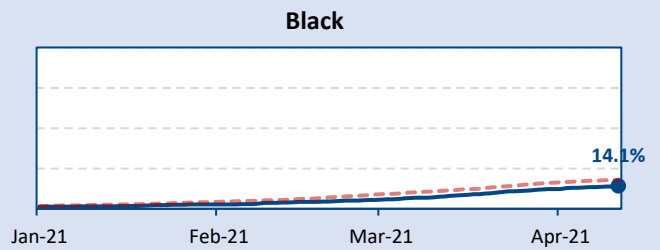
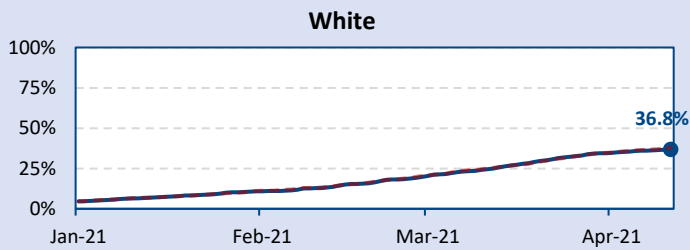
## Glades County



## Hendry County



## Lee County



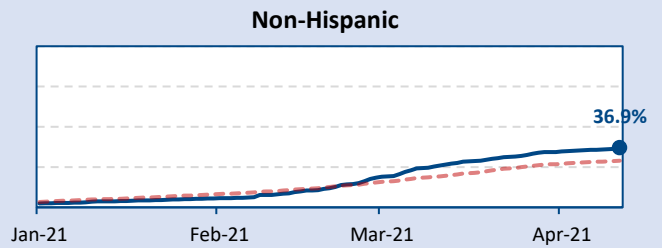
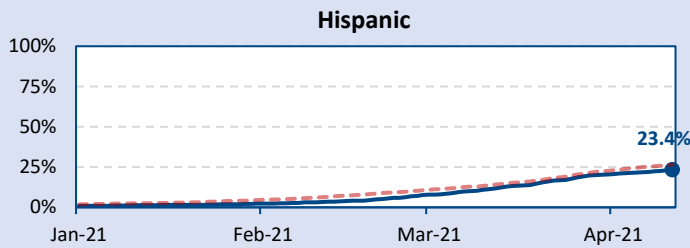
—●— County      — Florida

Source: Florida Department of Health; U.S. Census Bureau, 2019 American Community Survey 5-year Estimates

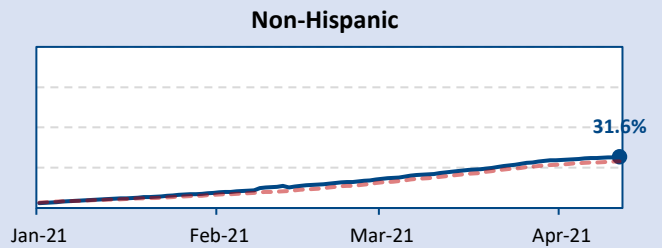
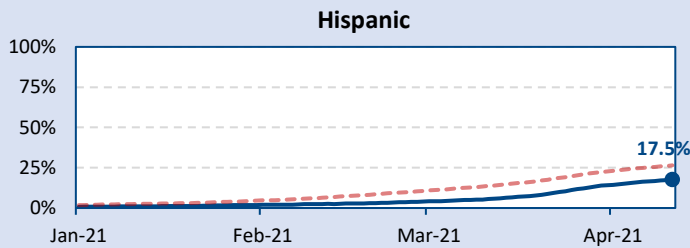
# Covid-19 Vaccinations by Ethnicity

Percent of Total Population

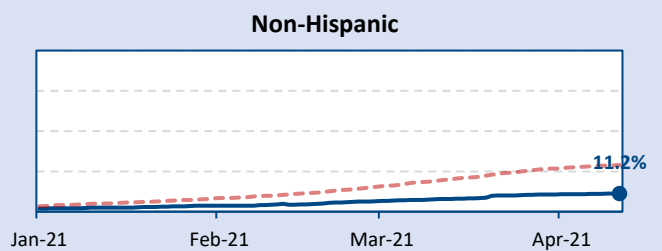
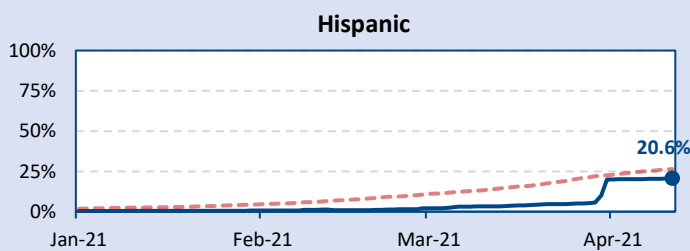
## Charlotte County



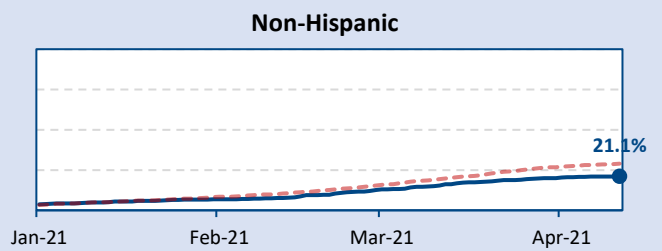
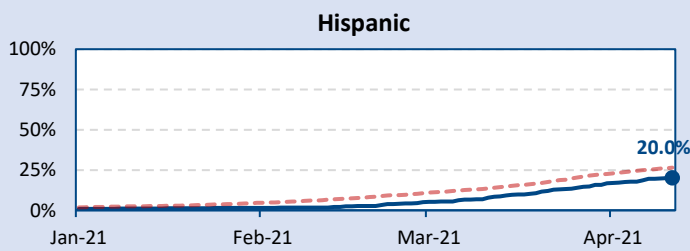
## Collier County



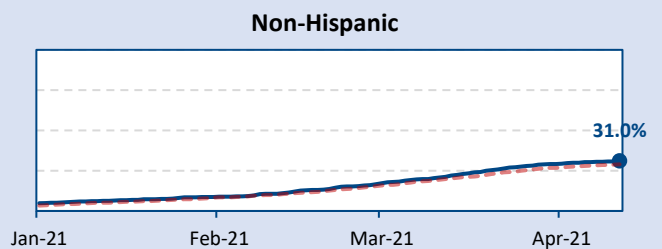
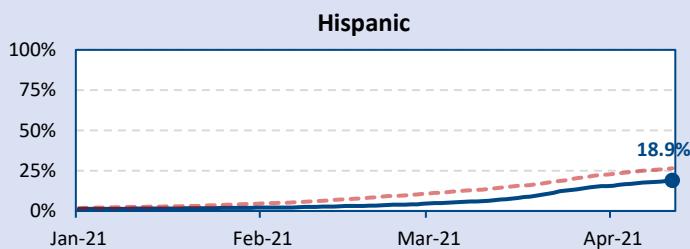
## Glades County



## Hendry County



## Lee County



—●— County

— Florida

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