This meeting will be recorded and will be available at www.fmda.org/journalclub.php



FMDA Journal Club

June 17, 2020 Diane Sanders-Cepeda, DO, CMD – Presenter Bernardo J. Reyes, MD, CMD – Featured Guest



Agenda

COVID-19 State of the State

COVID-19 Overview: Current State, Challenges & Opportunities

Open Discussion









Bernardo J. Reyes, MD, CMD

Assistant Professor of Geriatric Medicine
Associate Program Director,
Internal Medicine Residency



Key Learning Points

- 1. Reported Cases: National and State Trends
- 2. Nursing Home Data
- 3. Updates on testing
- 4. Current Therapies
- 5. Future Opportunities

New Cases: Florida Gen Population

June 16, 2020



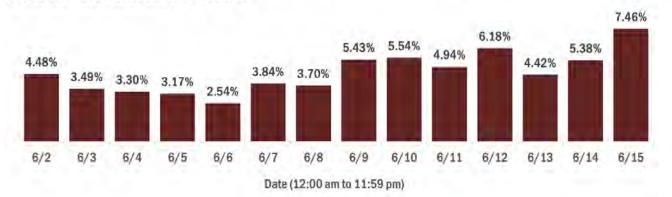
New Cases: Florida Gen Population

as Jun 6, 2020

Percent positivity for new cases

The percent of positive results ranged from 3% to 7% over the past 2 weeks and was 7% yesterday.

This percent is the number of people who test positive for the first time divided by all the people tested that day, excluding people who have previously tested positive.



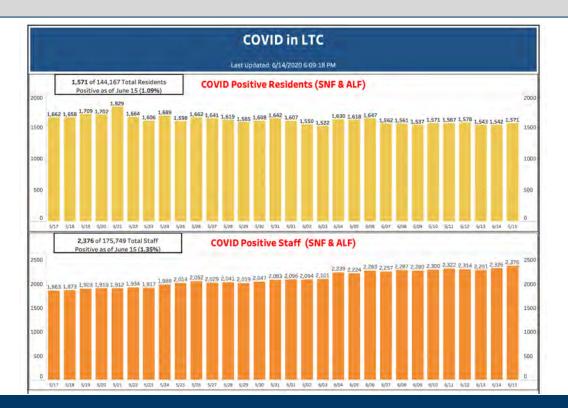
Florida Gen Population

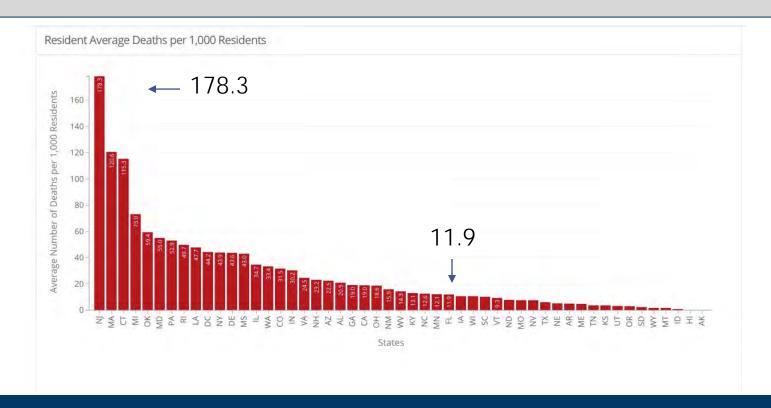
as Jun 6, 2020

	= 90	4					
Age group	Cases		Hospitalizations		Deaths		
0-4 years	985	1%	47	0%	0	0%	
5-14 years	2,139	3%	40	0%	0	0%	
15-24 years	8,451	11%	235	2%	2	0%	
25-34 years	13,321	17%	669	5%	17	1%	
35-44 years	12,254	16%	1,041	9%	50	2%	
45-54 years	12,770	16%	1,550	13%	113	4%	
55-64 years	11,532	15%	2,133	17%	266	9%	
65-74 years	7,771	10%	2,421	20%	617	21%	4 8%
75-84 years	5,203	7%	2,275	19%	855	29%	— 169
85+ years	3,675	5%	1,795	15%	1,073	36%	= 299
Unknown	27	0%	0	0%	0	0%	
Total	78,128		12,206		2,993		

Florida Nursing Home Data

Jun 6, 2020







Challenges: Asymptomatic Cases

CORRESPONDENCE

Natural History of Asymptomatic SARS-CoV-2 Infection

June 12, 2020

- The outbreak of coronavirus disease 2019 (Covid-19) on the cruise ship Diamond Princess led to 712 persons being infected
- 410 (58%) of these infected per- sons were asymptomatic at the time of testing
- 96 of the asymptomatic passengers were transferred to a hospital
- 11 of 96 developed symptoms in ~4 days.
- The risks of being pre-symptomatic increased with age

Global Symposium: Post-acute Care and Rehabilitation during COVID-19 Pandemic (June 14, 2020)

https://www.youtube.com/watch?v=Z7jrmfEu7XU&feature=youtu.b

- Who is at risk (# Beds, Blacks, Population Density, # Cases in the community)
- Atypical presentation of symptoms
 - Lower threshold for temp (100.4 F might to high)
- Low O2 saturation (few days before patient becomes pos)
- Change in condition

Challenges: Testing

Viral testing of healthcare personnel (HCP)

- initial testing for all
- weekly testing

Viral testing of residents

- each resident in a nursing home
- consider testing for other causes of respiratory illness
- Contact tracing

Viral testing in response to an outbreak

- Perform expanded viral testing of all residents and HCP
- Continue repeat viral testing of all previously negative residents, generally between every 3 days to 7 days, until the testing identifies no new cases of SARS-CoV-2 infection among residents or HCP for a period of at least 14 days



Testing Guidelines for Nursing Homes

Interim SARS-CoV-2 Testing Guidelines for Nursing Home Residents and Healthcare Personnel Updated June 13, 2020

Challenges: Testing



Perspective

False Negative Tests for SARS-CoV-2 Infection — Challenges and Implications

Steven Woloshin, M.D., Neeraj Patel, B.A., and Aaron S. Kesselheim, M.D., J.D., M.P.H.

- False negative rates 2 to 29%
- Pre-test probability (more challenging)
- Post-test probability very low



Challenges: Infection Control

- Very high index of suspicion and low threshold for isolation for COVID-19
- Operate under the assumption that available testing is inaccurate
- Open up facilities to visitors
- Services such as dining rooms and physical therapy rooms
- Occupancy of short term vs long-term residents

Challenges: Second Wave (It's a Marathon, Not a Sprint)

- 1. What is the role of post-acute care in this pandemic
- 2. Operate under this "New Normal"
- 3. Mental Health
- 4. Sustainability (financial and logistic issues)
 - PPE
 - Testing

Challenges: Business Model

- Cost of testing, special COVID units, and PPE
- Perception in the community
- Perception of community partners
- Resources Available

Opportunities: Acute Transfers of Long-Term Residents

- Reduction in hospital transfers among long-term residents
- Implementation of programs to manage change in condition in the facility to avoid transfers (AMDA Clinical Practice Tools, INTERACT)
- Value-based payment models that meaningfully engage clinicians in both postacute care and long-term nursing home care

Opportunities: Telemedicine

- Using relationship with community partners to have access to necessary expertise
- Limit provider exposure to high risk patients (office visits)
- Better utilization of staff

Opportunities: *Treatment*

- Remdesivir
- Hydroxychloroquine
- Dexamethasone

Opportunities: Advanced Care Planning

- Many educational and documentation tools are available
 - Using evidence on prognosis (e.g. <u>www.ePrognosis.com</u>) and simple language descriptions of risks and benefits, such as those available in the INTERACT program are helpful
 - Being clear about the limited meaning of "DNR" is also helpful
 - COVID-19 specific tools are available
 - https://respectingchoices.org/covid-19-resources/
 - https://www.vitaltalk.org/guides/covid-19-communication-skills/
 - https://www.capc.org/toolkits/covid-19-response-resources/
- Documenting and communicating discussions and decisions is critical so that hospital transfers and other interventions are either implemented or withheld based on the patient/resident and family preferences
- Be prepared for patients/residents dying in the facility

Questions?

Comments?

Suggestions?



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www.fmda.org/journalcl ub.php

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