

FMDA Journal Club

April 8, 2020

Diane Sanders-Cepeda, DO CMD: Co – Presenter

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Treating COVID-19+ Patients in Place in PA/LTC: Part II – Pharmaceutical Management

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

Agenda

COVID 19 state of the state

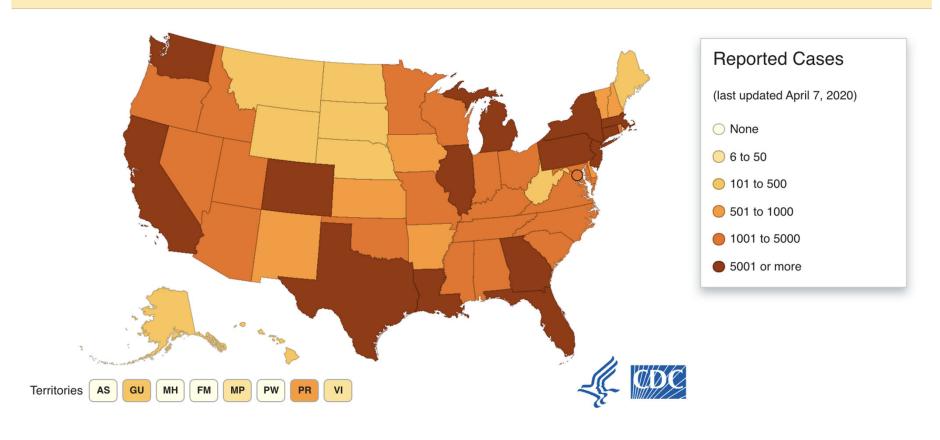
CMS update & Literature Review

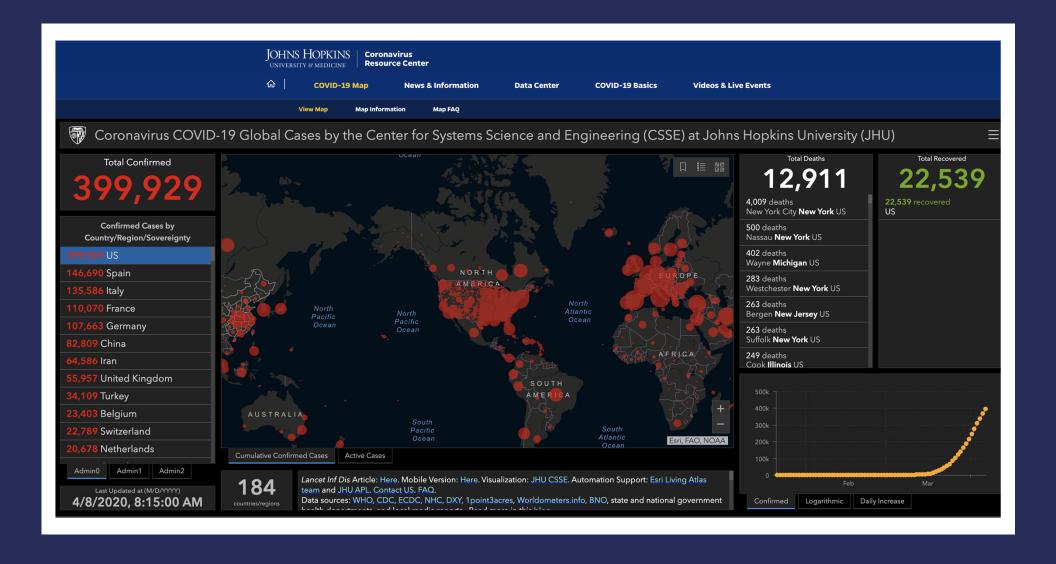
Pharmacy Deep Dive

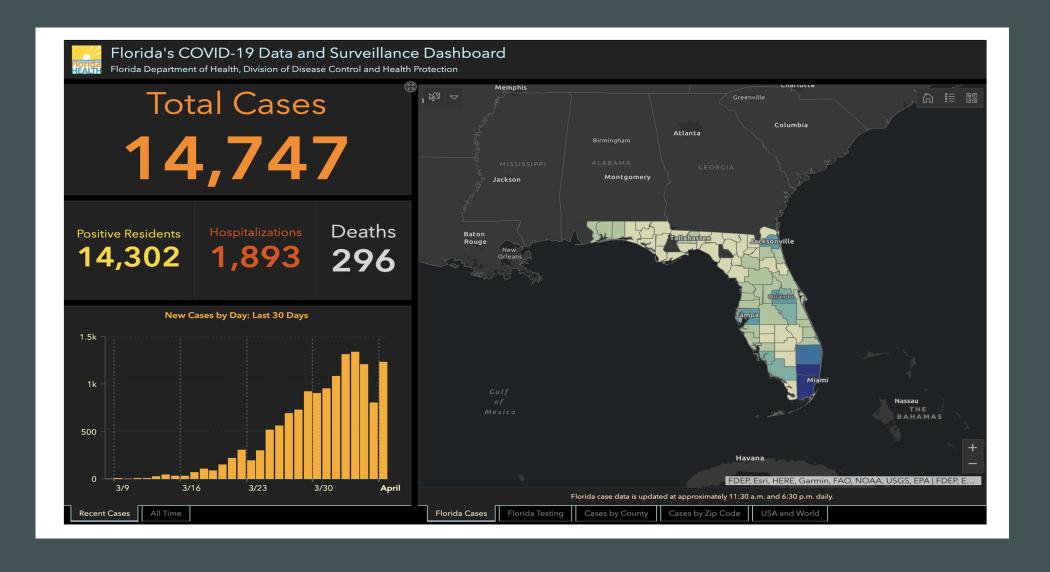
Open Discussion

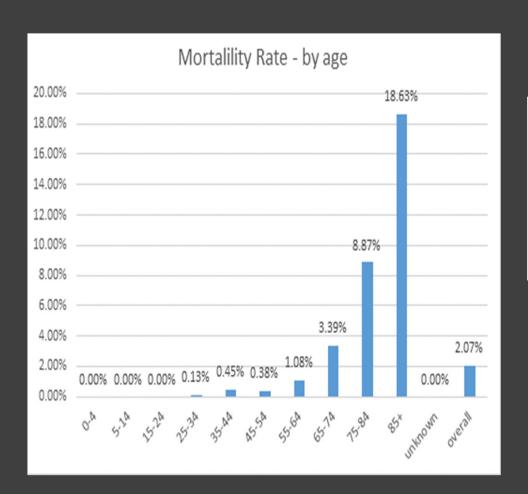
Quick Review: Telehealth

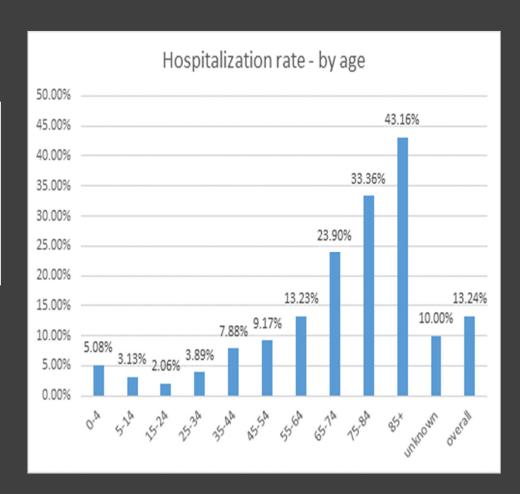
States Reporting Cases of COVID-19 to CDC*



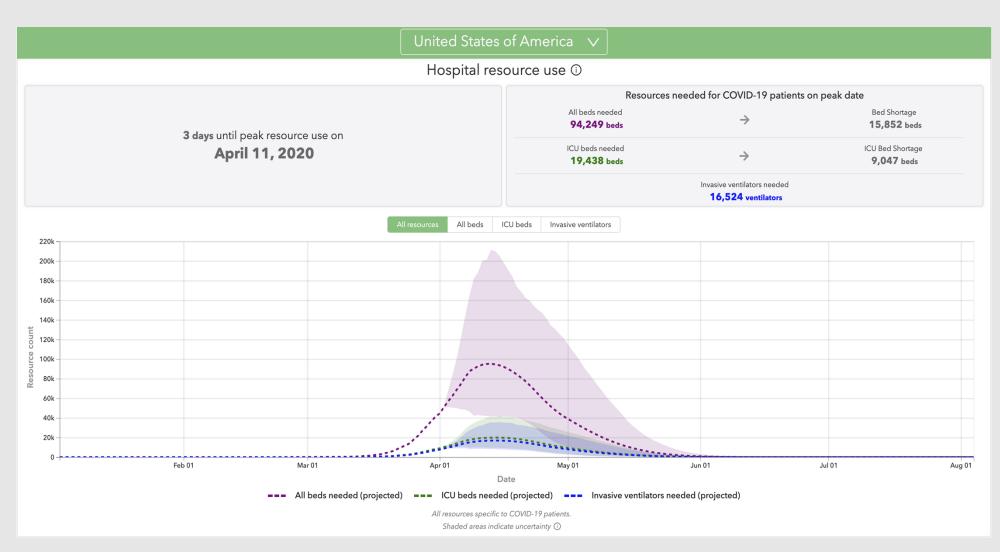








Florida Stats
updated 4/7/2020



https://covid19.healthdata.org/projections





COVID-19 Long-Term Care Facility Guidance April 2, 2020

The Centers for Medicare & Medicaid Services (CMS) and the Centers for Disease Control and Prevention (CDC) are issuing new recommendations to State and local governments and long-term care facilities (also known as nursing homes) to help mitigate the spread of the 2019 Novel Coronavirus (COVID-19). Long-term care facilities are a critical component of America's healthcare system. They are unique, as they serve as both healthcare providers and as full-time homes for some of the most vulnerable Americans.

Viewpoint

ONLINE FIRST F



March 25, 2020

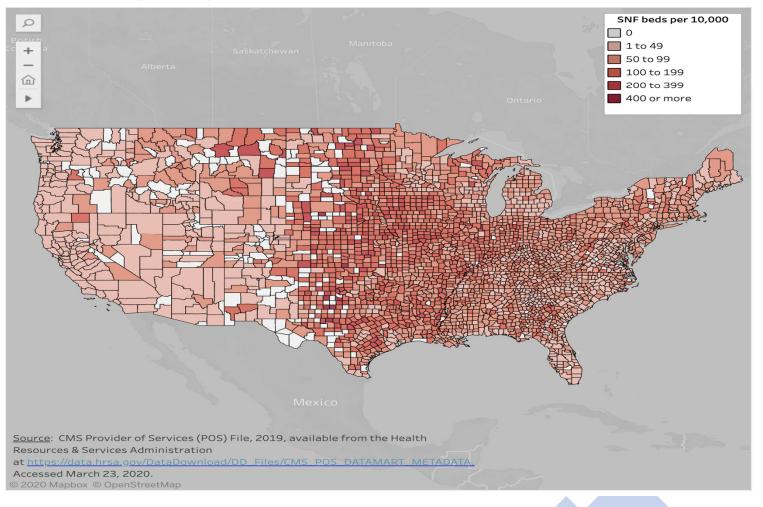
Postacute Care Preparedness for COVID-19 Thinking Ahead

David C. Grabowski, PhD¹; Karen E. Joynt Maddox, MD, MPH^{2,3,4}

» Author Affiliations | Article Information

JAMA. Published online March 25, 2020. doi:10.1001/jama.2020.4686

Skilled Nursing Facility Beds, 2019



Pharmacy Deep Dive

Pharmacy Deep Dive - Preparedness



Ensure lines of communication between you, your pharmacy and your consultant pharmacist



Be aware of prescribing requirements and restrictions ahead of time to eliminate potential delays in therapy



Review your emergency ordering procedures



Review your emergency kit or automated dispensing system contents



Review your patients receiving nebulizer treatments or other aerosol-generating treatments

COVID-19 Pharmaceutical Management

Initial Treatment

- hydroxychloroquine (HCQ) / chloroquine (CQ)
 - FDA: HCQ 800mg day 1, 400mg daily for 4-7 days. CQ 1000mg day 1, 500mg daily for 4-7 days. Duration depends on response.
 - CDC lists several regimens:
 - HCQ 400mg BID day 1, then 400mg daily for five days
 - HCQ 400mg BID day 1, then 200mg twice daily for four days
 - HCQ 600mg BID day 1, then 400mg daily for four days
- azithromycin
 - Open-label study added standard "Z-Pak" dosing: 500mg Day 1, then 250mg for days 2 through 5

COVID-19 Pharmaceutical Monitoring

- QTc prolongation monitoring highly recommended, especially for those at risk
 - Multiple QTc prolonging medications:
 - <u>azithromycin</u> and other macrolides; quinolones (Levaquin etc); keto/fluconazole
 - Tricyclics doxepin, amitriptyline, imipramine
 - amiodarone, dronedarone, sotalol, flecainide, quinidine, procainamide, disopyramide
 - haloperidol, quetiapine, olanzapine
 - donepezil, cilostazol, methadone, ondansetron, escitalopram / citalopram
 - Electrolyte abnormalities diuretic use
 - Age > 65
 - Female
- CBC / LFTs / SCr there is growing evidence of significant renal and hepatic dysfunction acutely and post-infection (duration?)
 - Increases risk for pharmacokinetic interactions with pre-existing treatments

Other medication considerations

- Protease inhibitors (e.g. ritonavir) no evidence of benefit in COVID-19
- IL-6 pathway inhibitors anecdotal reports only, trials ongoing
- ACE-inhibitors
 - there is no evidence that supports the speculation of higher risk
 - ACC / AHA / HFSA issued statement recommending continuing in patients already receiving for heart failure, hypertension, ischemic heart disease
- Immunotherapies should be evaluated on a case by case basis
- Nebulizers
 - Convert COVID positive and PUI to non-aerosol generating therapies when possible
- NSAIDs anecdotal reports of worsening symptoms w/o definitive studies. Consider APAP as first line for fever; continue NSAIDs / COX2s case by case

COVID-19 Deprescribing Considerations

- Evaluate medications in the context of acute or postacute COVID illness, particularly renally cleared medications
 - narrow therapeutic window
 - Digoxin, lithium
 - vancomycin (IV), aminoglycosides ensure pharmacy is aware when dosing
 - Metformin, H2 antagonists (famotidine), DPP-4 inhibitors (gliptins)
 - Gabapentin / pregabalin
 - Dabigatran
 - Benzodizapines
 - Statins
 - NSAIDs, COX2 inhibitors

COVID-19 Deprescribing Considerations - Others

- Evaluate "non-essential" medications evaluate on case by case basis; weigh short and long-term risk and benefit
 - Vitamins, OTCs, Herbals
 - Acid-reducing medications
 - Cholesterol treatments
 - Osteoporosis treatments
 - Dementia and psychiatric treatments
 - Appetite medications (mirtazapine)
 - Limited duration medications cough and cold

Open Discussion

Quick Review: Telehealth

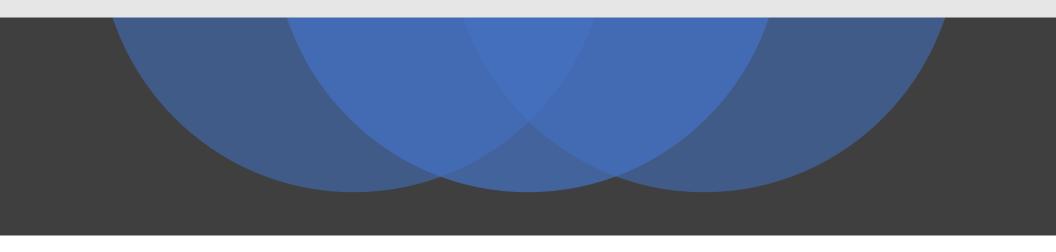
TYPE OF SERVICE	WHAT IS THE SERVICE?	HCPCS/CPT CODE	Patient Relationship with Provider
MEDICARE TELEHEALTH VISITS	A visit with a provider that uses telecommunication systems between a provider and a patient.	 Common telehealth services include: 99201-99215 (Office or other outpatient visits) G0425-G0427 (Telehealth consultations, emergency department or initial inpatient) G0406-G0408 (Follow-up inpatient telehealth consultations furnished to beneficiaries in hospitals or SNFs) For a complete list: https://www.cms.gov/Medicare/Medicare-General-Information/Telehealth/Telehealth-Codes HCPCS code G2012 	For new* or established patients. *To the extent the 1135 waiver requires an established relationship, HHS will not conduct audits to ensure that such a prior relationship existed for claims submitted during this public health emergency
VIRTUAL CHECK-IN	A brief (5-10 minutes) check in with your practitioner via telephone or other telecommunications device to decide whether an office visit or other service is needed. A remote evaluation of recorded video and/or images submitted by an established patient.	HCPCS code G2012 HCPCS code G2010	For established patients.
E-VISITS	A communication between a patient and their provider through an online patient portal.	994219942299423G2061G2062	For established patients.

https://www.cms.gov/files/document/general-telemedicine-toolkit.pdf

Thank You for Your Participation! For additional questions

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