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#### Webinar Faculty

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	US Causes of Death			
	2017	Deaths		
1	Heart Disease	648,000		
2	Cancer	599,000		
3	Accidents	170,000		
4	Stroke	146,000		
5	Alzheimer's Disease	121,000		
LTCM	tto://www.cdc.cov/nchs/fastats/leading-causes-of-death.htm the nearest thousand deaths.	Accessed 9/24/2020, rounded August 23, 2		





╞┍┉┉┝─	Pfizer/BioNTech	Moderna	Johnson & Johnson	AstraZeneca
Vaccine Type	mRNA	mRNA	Adenovirus vector	Adenovirus vect
Number of Doses	2 doses about 3 weeks apart	2 doses about 4 weeks apart	1 dose	2 doses about 4 weeks apart
Age Requirement	16+	18+	18+	18+
FDA Emergency Use Authorization	Dec. 11, 2020	Dec. 18, 2020	Feb. 27, 2021	Not yet authorize
Disease Prevention in Clinical Trials	95%	95%	66%	70%
Hospitalization and Death Prevention	100%	100%	100%	100%
Storage Requirements	Standard freezer up to 2 weeks	Standard freezer	Standard refrigeration	Standard refrigeration



 Nucleic Acid Vaccines

 Image: state st







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**Monoclonal Antibiotics** 

WHAT ARE THEY? HOW DO THEY WORK?









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Allergic Reactions
 Allergic reactions can occur during and after infusion or injection of REGEN-COV. Serious acations are rare; 104,206 (0.2%) had Grade 2 or higher adverse events; in SQ administration, all hypersensitivity reactions were Grade 1
 Signs and symptoms of allergic reactions: fever, chills, nausea, headache, shortness of breath, low or high blood pressure, rapid or slow heart rate, chest discomfort or pain, weakness, confusion, feeling tired, wheezing, swelling of lips, face, or throat, rash including hives, itching, muscle aches, feeling faint, dizziness and sweating.
 Infusion site pain, bleeding, bruising of the skin, soreness, swelling, and possible infection. Subcutaneous injection may include pain, bruising of the skin, soreness, swelling, and possible infection, subcutaneous injection may include pain, bruising of the skin, soreness, swelling, and possible infection, subcutaneous injection may include pain, bruising of the skin, soreness, swelling, and possible infection, subcutaneous injection may include pain, bruising of the skin, soreness, swelling, and possible infection, subcutaneous injection step, difficulty breathing, rapid or slow heart rate, thredness, weakness or confusion.
 Infusion related reactions can be mitigated by slowing infusion; fluid overload occasionalus
 Improvement is the stratement in the origited infusion of low daverse reactions = 1.12(y0 araphytoxis', diagnoss of anxiety attach











# Summary Monoclonal antibodies are effective in treatment and in post-exposure prophylaxis (PEP) in the management of COVID-19 in skilled nursing facilities (memory care, assisted living facilities)

- For treatment to be most effective, mAB should be administered within 72 hours of
- symptom onset
- For SNFs, prompt identification of infected cases (HCWs) and rapid response testing will ensure prompt institution of therapy and PEP
   Those persons receiving mAB, should delay COVID vaccination for 90 days; those persons who are infected without a history of vaccination should be vaccinated after
- completion of isolation Studies on preexposure prophylaxis and treatment of hospitalized patients who are unable to mount adequate antibody post vaccination are ongoing

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- https://www.sandiegocounty.gov/content/sdc/hhsa/programs/phs/community\_epidemiology /dc/2019-nCoV/CommunitySectors/Healthcare\_Providers\_Community\_Clinics\_Hospitals\_and\_Phar macies/MARC.html
- Fact sheet patients: <u>https://www.fda.gov/media/145612/download</u>
- Fact sheet HCWs: <u>https://www.fda.gov/media/145611/download</u>
- Federal Drug Administration efficacy studies:
- From mAB Mobile team
- · Consent form
- Intake form

 Checklist of supplies needed if facility pharmacy unable to supplies needed for infusion/SQ injection August 23, 2021









- are moderately to severely immunocompromised receive an additional dose of an mRNA COVID-19 Vaccine (Pfizer-BioNTech or Moderna) at least 28 days after the completion of the initial <u>mRNA</u> COVID-19 vaccine series.
- Studies have shown that persons with an inadequate initial response to two doses of an mRNA vaccine can get an adequate response after a third dose

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# Currently, CDC is recommending that moderately to severely immunocompromised people receive an additional dose.

#### This includes people who have:

- Active treatment for solid tumor and hematologic malignancies
- · Receipt of solid-organ transplant and taking immunosuppressive therapy
- Receipt of CAR-T-cell or hematopoietic stem cell transplant (within 2 years of transplantation or taking immunosuppression therapy)
- Moderate or severe primary immunodeficiency (e.g., DiGeorge syndrome, Wiskott-Aldrich syndrome)
- Advanced or untreated HIV infection
- Active treatment with high-dose corticosteroids (i.e., ≥20mg prednisone or equivalent per day), alkylating agents, antimetabolites, transplant-related immunosuppressive drugs, cancer chemotherapeutic agents classified as severely immunosuppressive, tumor-necrosis (TNF) blockers, and other biologic agents that are immunosuppressive or immunomodulatory.

CALTCM https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19vaccines-us.html August 23, 2021











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