



COVID-19 UPDATES

Dr. Shelley Sekula-Gibbs, Public Health Liaison
The Woodlands Township Board Meeting
Thursday, September 17, 2020

U.S. COVID-19 VACCINE CANDIDATES IN

CANDIDATE	TYPE	TARGET	DOSE	NUMBER OF DOSES	HANDLING	PUBLISHED PHASE 2 RESULTS	
						EFFICACY	SIDE EFFECTS
Pfizer + BioNTech BNT162b2	mRNA	Full-length spike protein	30 µg	2 ≥21 days apart	-70°C cold chain	Nab GMTs 2.8-3.6X higher in 18-55 year olds and 1-1.6X higher in 65-85 year olds than CS	17% of 18-55 year olds, 8% of 65-85 year olds fever, no clinical Grade 4 AEs. no lab AEs
Moderna -+ NIAID mRNA-1273*	mRNA	Full-length spike protein	100 µg	2 ≥28 days apart	-70°C cold chain	Highly immunogenic for S-2P, RBD, Nab compared to CS	Fatigue, chills, headache, myalgia, and pain at injection site >50%, no SAEs
AstraZenica + Oxford AZD 1222*	Chimpanzee Adenovirus vector	Spike protein	5x10 ¹⁰ viral particles	2 ≥28 days apart	2-8°C cold chain	Higher antibody levels to spike protein and RBD, higher Nab than control and CS	No SAEs, mild-to-moderate controlled with acetaminophen

*18-55 year olds only. AE, adverse event; CS, convalescent serum; GMT, geometric mean titer; Nab, neutralizing antibody; RBD, receptor binding domain; SAE, severe adverse events





Delayed or avoided medical care can increase death, severity of illness, and the chronic health impacts of acute illness.

A new US Centers for Disease Control and Prevention (CDC) [*Morbidity and Mortality Weekly Report*](#) cites data showing that by June 30, 2020, because of concerns about COVID-19, an estimated 41% of U.S. adults had already delayed or avoided medical care.

This 41% includes urgent or emergency care (12%) and routine care (32%).

Routine care is a vital part of preventing emergency room visits and life threatening conditions like cancer.

* The data were collected from June 24–30, 2020, when a total of 5,412 (54.7%) of 9,896 eligible adults completed the web-based COVID-19 Outbreak Public Evaluation Initiative surveys administered by Qualtrics, LLC.



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- Investigators publishing in [*The Lancet Oncology*](#) estimate in the United Kingdom alone, clinicians will see increases of: 7.9–9.6% in the number of deaths due to breast cancer up to year 5 after diagnosis
- 15.3–16.6% in the number of deaths due to colorectal cancer
- 4.8–5.3% in the number of deaths due to lung cancer
- 5.8–6.0% in the number of deaths due to oesophageal cancer

For these 4 tumor types, the total additional years of life lost in the UK alone is estimated to be 59,204 to 63,229 years.

Keep Up With Your Health During

COVID-19

Hospitals, emergency rooms and healthcare providers follow strict guidelines regarding disinfection and mitigating the spread of COVID-19 while treating patients.

Visit the Emergency Room

Seek immediate care if you have chest pain, respiratory difficulty, weakness or numbness of limbs, severe abdominal pain or dizziness.

See Your Doctors

Schedule and attend your annual and ongoing check-ups with your healthcare providers. Be sure children receive their necessary vaccines.

*** Get the Flu vaccine & Cancer Screenings ***



Questions?

