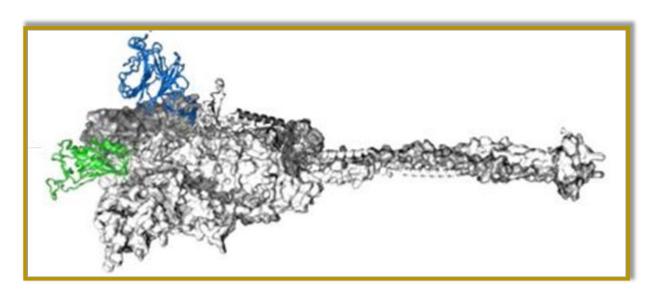


Dealing with Delta: The Critical FAQs





August 5, 2021 CareUniversity Webinar 167

Coronavirus Care Community of Practice

Welcome

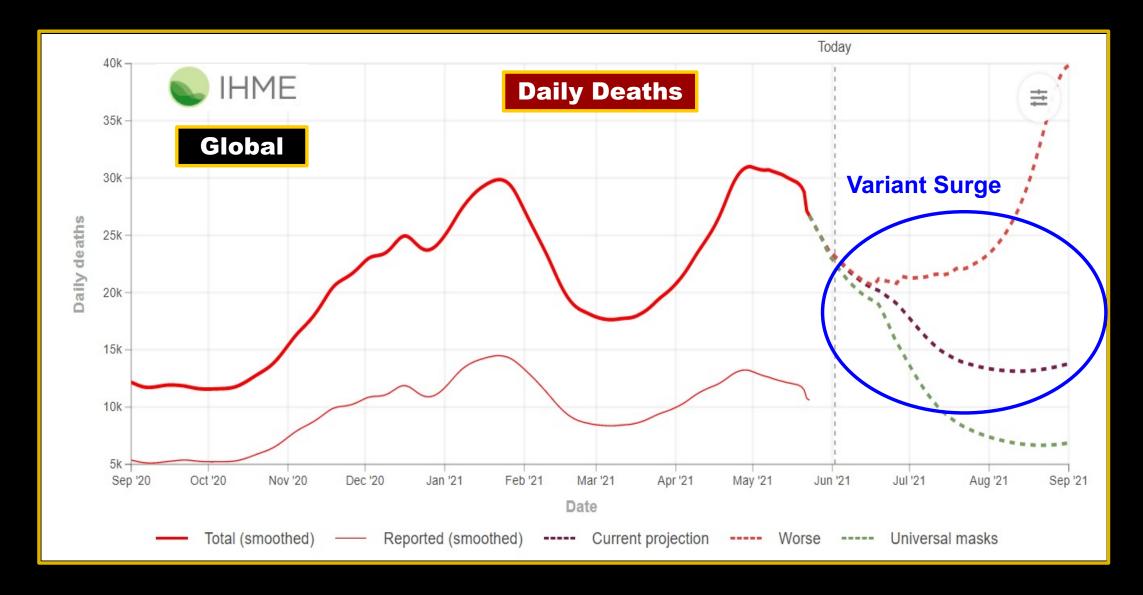


Charles Denham, MD

Chairman, TMIT Global Founder Med Tac Bystander Rescue Care

Med Tac Bystander Rescue Care August 5, 2021

CareUniversity Webinar 167







Coronavirus Care Community of Practice

Our Purpose, Mission, and Values



Our Purpose:

We will measure our success by how we protect and enrich the lives of families...patients **AND** caregivers.

EMERGING THREATS COMMUNITY OF PRACTICE

Our Mission:

To accelerate performance solutions that save lives, save money, and create value in the communities we serve and ventures we undertake.

CAREUNIVERSITY®

Our ICARE Values:

Integrity, Compassion, Accountability, Reliability, and Entrepreneurship.

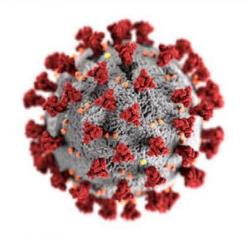


Voice of the Patient



Jennifer Dingman

Founder, Persons United Limiting Substandard and Errors in Healthcare (PULSE), Colorado Division Co-founder, PULSE American Division TMIT Patient Advocate Team Member Pueblo, CO





Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series

Disclosure Statement

The following panelists certify that unless otherwise noted below, each presenter provided full disclosure information; does not intend to discuss an unapproved/investigative use of a commercial product/device; and has no significant financial relationship(s) to disclose. If unapproved uses of products are discussed, presenters are expected to disclose this to participants. None of the participants have any relationship pharmaceutical or device companies discussed in their presentations. The funding of the program is from the Denham Family fund of TMIT Global, a 501c3 Medical Research Organization

- John Christian Fox MD has nothing to disclose.
- Christopher Peabody MD has nothing to disclose.
- Gregory H. Botz, MD, FCCM, has nothing to disclose.
- William Adcox has nothing to disclose.
- Jennifer Dingman has nothing to disclose.
- Heather Foster has nothing to disclose.
- Danny Policicchio has nothing to disclose.
- Jaime Yrastorza has nothing to disclose.
- Randy Styner has nothing to disclose.
- Heather Foster has nothing to disclose.
- · David Beshk has nothing to disclose.
- · Paul Bhatia has nothing to disclose.
- · David Grinsfelder has nothing to disclose.

Charles Denham, MD, is the Chairman of TMIT Global; a former TMIT education grantee of CareFusion and AORN with co-production by Discovery Channel for *Chasing Zero* documentary and Toolbox including models; and an education grantee of GE with co-production by Discovery Channel for *Surfing the Healthcare Tsunami* documentary and Toolbox, including models. HCC is a former contractor for GE and CareFusion, and a former contractor with Senior Care Centers. HCC is a former contractor for ByoPlanet, a producer of sanitation devices for multiple industries. He does not currently work with any pharmaceutical or device company. His current area of research is in threat management to institutions including conflict of interest, healthcare fraud, and continuing professional education and consumer education including bystander care. Dr. Denham is the developer and producer of CareUniversity[™], the learning management system providing continuing education materials for TMIT Global.



Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series

Speakers & Reactors



Jennifer Dingman



Dr. Mansfield



Dr Chris Fox



Heather Foster RN



William Adcox



Randy Styner



David Beshk



Dr. B Barto Owens



Dr. C Peabody



Dr. Gregory Botz



Nick Scheel



Jaime Yrastorza



Paul Bhatia EMT



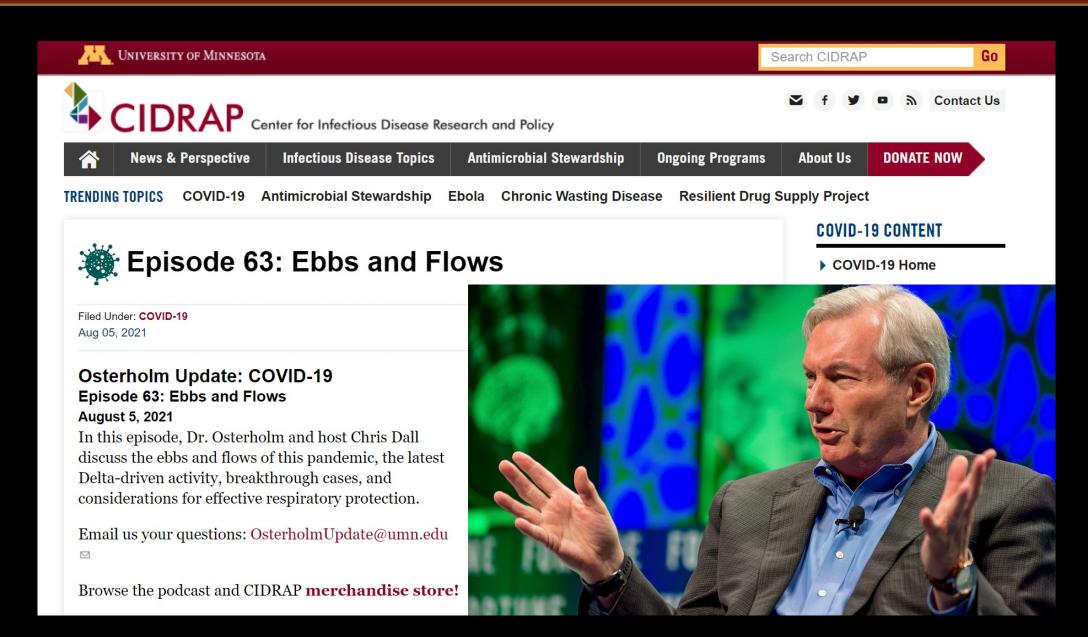
Charlie Denham III



D Policicchio



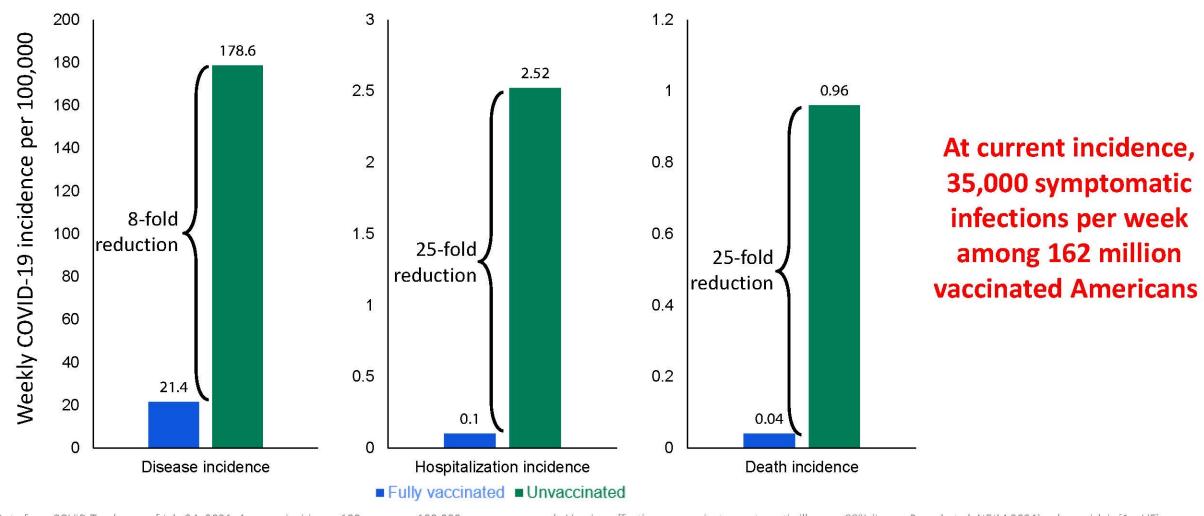
David Grinsfelder



Can I: Catch it...Spread it...Get Sick...Get Long Haul?

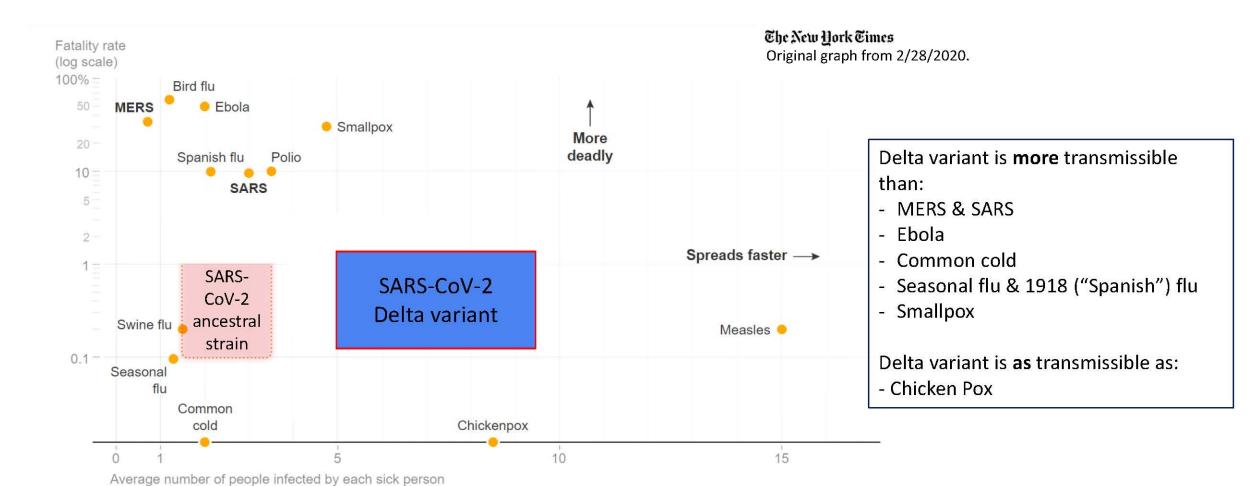
Vaccination Status	Can I CATCH it?	Can I SPREAD It	Can I GET SICK?	Can I Get LONG HAUL?
Unvaccinated	Yes VERY HIGH RISK	Yes VERY HIGH RISK	Yes VERY HIGH RISK May Get Sicker than Vac.	Yes HIGHER RISK
Vaccinated	Yes but LOWER RISK 3.5 X Reduced Risk	Yes but LOWER RISK	Yes but LOWER RISK 8 X Risk of Symptoms 25 x Risk Hospitalization 25 x Risk of Death	Under Study
Youth 12-17	More than Alpha (UK virus)	More than Alpha Half Adult Spread	More than Alpha	More than Alpha
Children Ages 2-12	Yes LOWER RISK	Yes Under Study	Yes LOW RISK	Yes LOW RISK 8%

Greater risk of disease, hospitalization and death among unvaccinated vs. vaccinated people: National estimates



Data from COVID Tracker as of July 24, 2021. Average incidence 100 cases per 100,000 persons per week. Vaccine effectiveness against symptomatic illness = 88% (Lopez Bernal et al. <u>NEJM 2021</u>), where risk is [1 – VE] or 12%. Vaccine effectiveness hospitalization (or death) = 96% (Stowe et al. <u>PHE preprint</u>), where risk is [1 – VE] or 4%. Rate in unvaccinated = Community rate/((1-fully vaccinated coverage) + (1-VE)*fully vaccinated coverage proportions were from COVID Data Tracker as of July 24, 2021 (50% for US,).

Transmission of Delta variant vs. ancestral strain and other infectious diseases

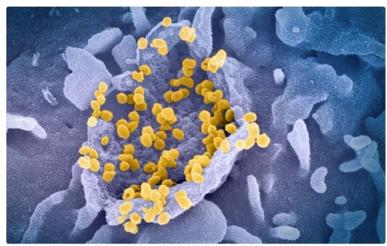


Note: Average case-fatality rates and transmission numbers are shown. Estimates of case-fatality rates can vary, and numbers for the new coronavirus are preliminary estimates.

Newsweek

Lambda COVID Variant, Behind 1,000 Cases in U.S., Shows Vaccine Resistance

08-03-21



Study: First identification of SARS-CoV-2 Lambda (C.37) variant in Southern Brazil. Image

Credit: NIAID

The variant was first identified in Peru in August, 2020, where it has now become the dominant strain of the virus, and it has been reported in 29 countries including the U.S. Researchers at the University of Tokyo published their paper at bioRxiv, a "preprint server for biology," last Wednesday ahead of the paper's peer review.

In lab experiments, they identified three mutations in the Lambda variant's spike protein—called RSYLTPGD246-253N, 260 L452Q and F490S—that make it more resistant to neutralization by antibodies that are induced through vaccination. This makes the strain more resistant to vaccines than the original COVID-19 strain first identified in Wuhan, China.

Newsweek

08-04-21

A Doomsday COVID Variant Worse Than Delta and Lambda May Be Coming, Scientists Say



"Scientists keep underestimating the coronavirus. In the beginning of the pandemic, they said mutated versions of the virus wouldn't be much of a problem—until the more-infectious Alpha caused a spike in cases last fall. Then Beta made young people sicker and Gamma reinfected those who'd already recovered from COVID-19."

"The next variant," says Osterholm, "could be Delta on steroids."

The Med Tac Team recommends you read this article to understand the routes the viruses can take to become more contagious and evade immunity.

Source: https://www.newsweek.com/2021/08/13/doomsday-covid-variant-worse-delta-lambda-may-coming-scientists-say-

WALL STREET JOURNAL

08-04-21

Florida Battles Record Covid-19 Hospitalizations, as Delta Variant Surges

"This is putting 25-year-olds in the hospital, in intensive care and on ventilators,"





The Wall Street Journal video describes the reasons why the Delta virus is such a serious health concern.

Source: www.wsj.com/articles/florida-battles-record-covid-19-hospitalizations-as-delta-variant-surges-11628027994

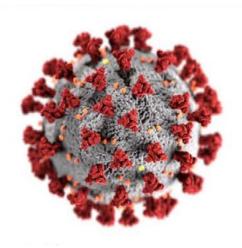


Dealing with Delta: Critical FAQs A Survive & Thrive Guide™



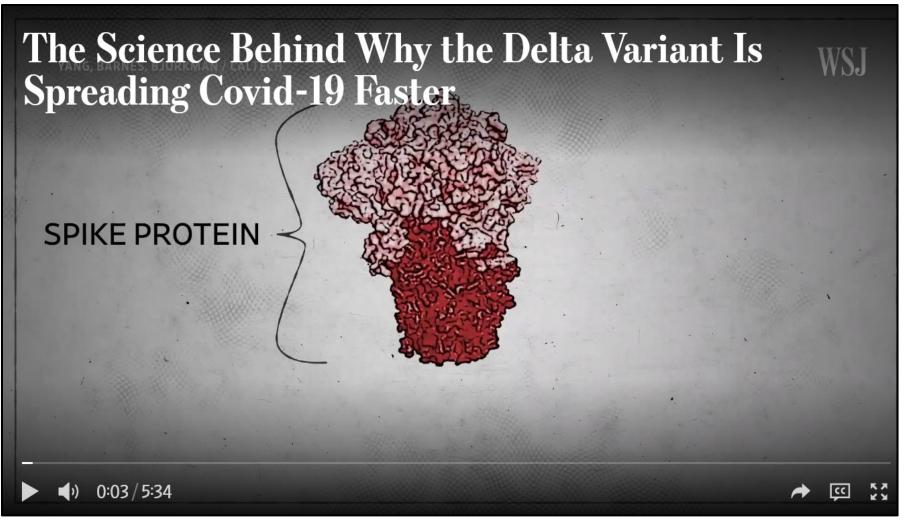
Omayra Mansfield, MD, MHA, FACEP

Vice President & Chief Medical Officer AdventHealth Apopka and AdventHealth Winter Garden.



WALL STREET JOURNAL

08-04-21



Source: <u>www.wsj.com/articles/florida-battles-record-covid-19-hospitalizations-as-delta-variant-surges-11628027994</u>

High Impact Care Hazards to Patients, Students, and Employees



https://www.medtacglobal.org/



Bystander Care Training is a critical need in all communities. The preventable deaths we see in the news are the tip of the iceberg. Our program is a Good Samaritan support system to help everyone learn life-saving actions that will save lives.

High Impact Care Hazards are conditions that are frequent, severe, preventable, and measurable. We have identified the leading causes of death that strike children, youth, and those in their workforce years. We provide evidence-based bystander care training that can have the greatest impact.

Bystander Rescue Skills are the competencies that bystanders can learn that will save lives in the few precious minutes before the professional first responders arrive. Such behaviors can be learned by children, adults, and entire families. We have programs for children, adults, law enforcement, educators, lifeguards, and caregivers.

MedTac is the only integrated program addressing the top causes of death of otherwise healthy children, youth, and adults in the workforce. Med Tac partners with terrific on-site trainers from great organizations who are already in the community.

High Impact Care Hazards to Patients, Students, and Employees



Cardiac Arrest

Choking & Drowning

Opioid Overdose

Anaphylaxis

Major Trauma

Infections

Transportation Accidents

Bullying

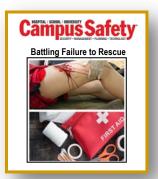
Med Tac Story Article



Active Shooter Healthcare Article



Rapid Response Teams Article



AED & Bleeding Control Gear Article



Family Safety Plan Article





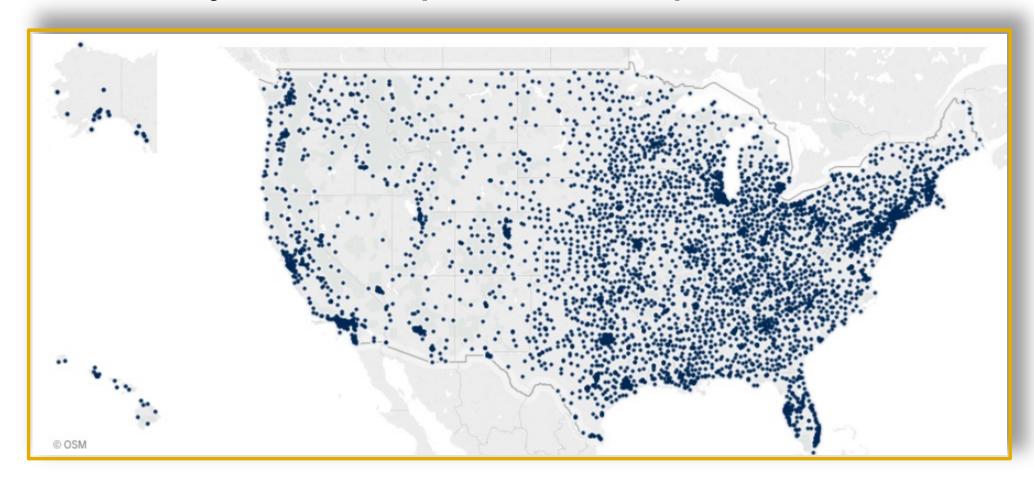
Supports today's webinar

A Medical-Tactical Approach undertaken by clinical and non-clinical people can have enormous impact on los of life and harm from very common hazards:

- High Impact Care Hazards are frequent, severe, preventable, and measurable.
- Lifeline Behaviors undertaken by anyone can save lives.

TMIT Global Research Test Bed

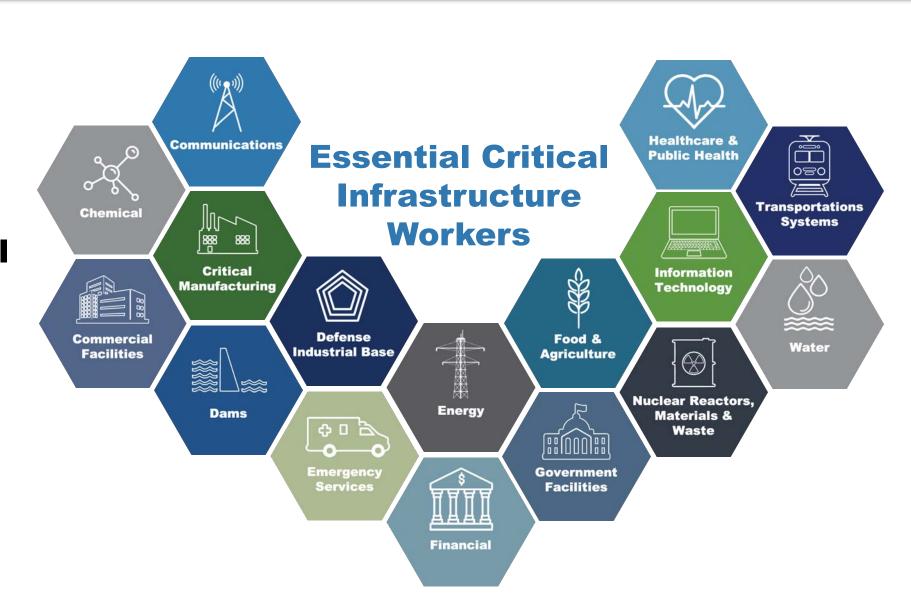
3,100 Hospitals in 3,000 Communities
500 Subject Matter Expert Pool Developed over 35 Years





Educators Declared Essential Critical Infrastructure Workers







About

ues Coronavi

irus Webinar se Programs

This webpage and videos have been produced for essential infrastructure workers and general public, emilies. We have drawn on our network of 500 subject matter experts and a patient safety community of practice of 3,100 hospitals in 3,000 communities to tackle the Coronavirus Crisis. To join the Coronavirus Community of Practice and have the option of taking our Survive & Thrive." Certification courses and earn continuing education credits <u>click</u> <u>here</u>. The first short video in the Basic Videos bibrary below describes how you can participate. Join our free monthly 90 minute webinars for families of professional caregivers, essential workers, and the public. Click here to registed. <u>9.40 not community to the Videos Click Netes</u> of the Videos Click Netes of the Videos Click Netes of Community Inter Videos Click Netes of Community Inter Videos Click Netes.

Coronavirus - Protecting You & Your Family

See the videos, answers to FAQs, and resources below. They will be continuously updated for the communities we serve



Bystander Rescue Care

We have organized the videos below as BASIC VIDEOS to provide critical information quickly.

For those who want more detail, view the ADVANCED VIDEOS. The source articles may be downloaded below.

BASIC MODULES

Why Social Distancing WORKS

Masks ARE Critical

Masks: The SCIENCE of Success

and Washing & DISINEECTANT

CLEAN High Contact Surfaces

Masks: The SCIENCE of Success

The following ADVANCED MODULES address more comprehensive information you may wish to watch.

The medical and scientific articles are provided below the viewer.

ADVANCED MODULES

Preparing for CARE at Home

TELEMEDICINE Works - Try it

Care of Seniors & those AT-RIS

The Latest Best Practice

Caracinare Surf the Next Way

Coming Home Safe Webina



The following table provides resource articles and links to video assets that viewers may use and download to understand the science behind the best practices.



Monthly Webinars every first Thursday of the month at 1PM ET (Noon Central and 10AM PT). Free, video, and resources posted.



BASIC MODULES:

- Short Videos 4-10 min
- Critical Information
- Hits Pillars of Prevention



Preparing for CARE at Home

TELEMEDICINE Works - Try it

Care of Seniors & those AT-RISK

The Latest Best Practices

Caregivers Surf the Next Wave

Coming Home Safe Webinar

The New Normal Webinar

Back to School Safely



ADVANCED MODULES:

- Longer more detailed
- Webinar Recordings
- Technical Information

Related Resources



Care of the At Risk & Seniors at Home

www.medtacglobal.org/coronavirus-response/



Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series







Dr. Gregory Botz



Chief William Adcox



Heather Foster



Dr. Charles Denham



Dr. Casey Clements



Beth Ullem



Dr. McDowell



Dennis Quaid Preston Head III



Fred Haise



Dr. Steve Swensen



Tyler Sant



Avarie Pettit



Dr. Mary Foley



Bob Chapman



Perry Bechtle III



Becky Martins



Betsy Denham



Charlie Denham III



Dr. C Peabody



Dr. Chris Fox



Randy Styner



Tom Renner



David Beshk



Ann Rhoades



Nancy Conrad



Dr. Chopra



John Little



Debbie Medina



Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series







John Tomlinson



Dan Ford



Arlene Salamendra



Jennifer Dingman



Bill George



Penny George



Hilary Schmidt PhD



Paul Bhatia EMT



Dr. McDowell

Contributions Through Segments of our *Discovery Channel* Documentaries



Prof Christensen



Jim Collins



C Sullenberger



Charlotte Guglielmi



Dr. Don Berwick



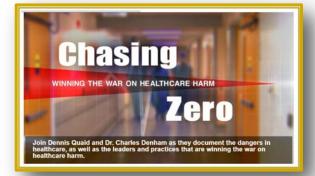
Dr. Howard Koh



Dr. Jim Bagian



Dr. Harvey Fineberg







THE UNIVERSITY OF TEXAS

MDAnderson Cancer Center

Family Rescue R&D













HARVARD

UNIVERSITY

The 5 R's of Safety

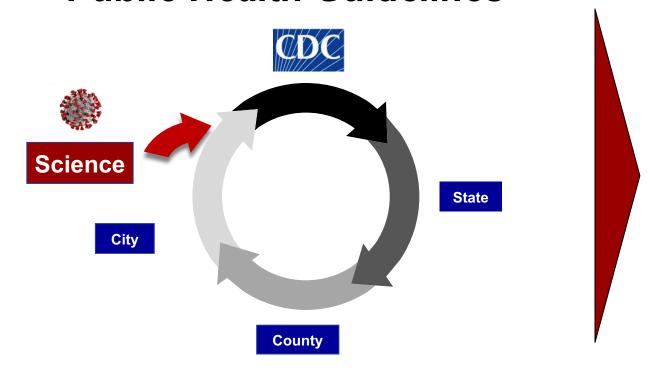






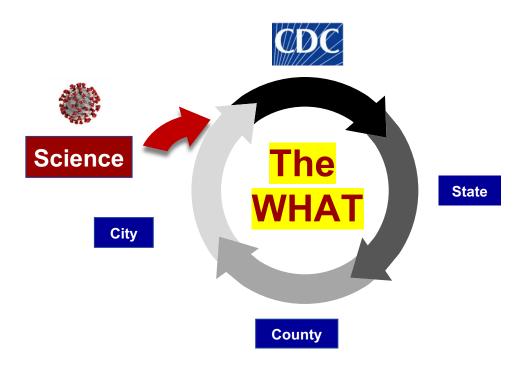
The Science is Evolving

Public Health Guidelines

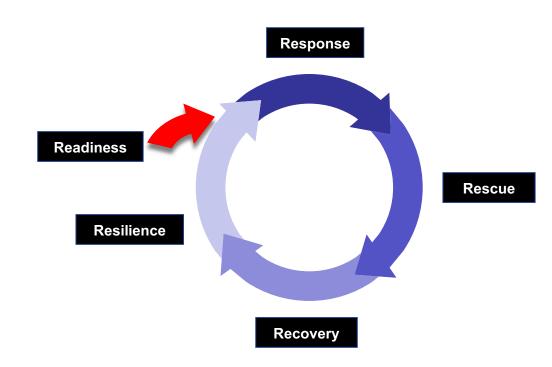


They tell the WHAT

Public Health Guidelines

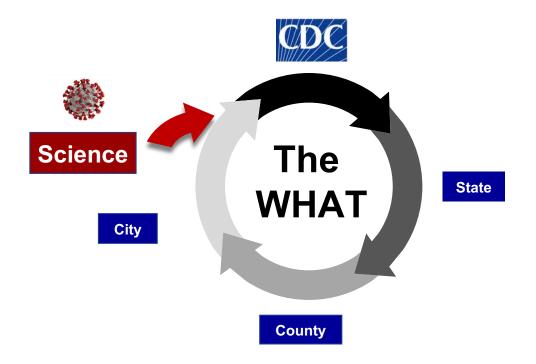


Family Safety Plans

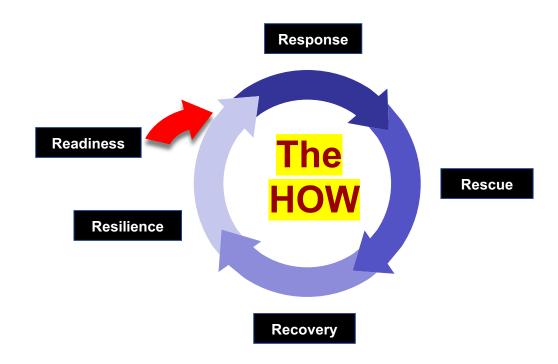


They tell the WHAT.....We provide the HOW

Public Health Guidelines

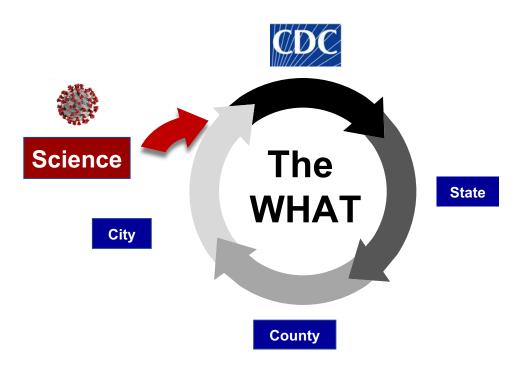


Family Safety Plans

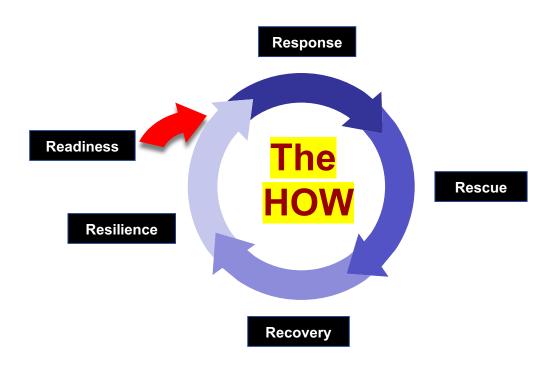


Turn the Science into Safety

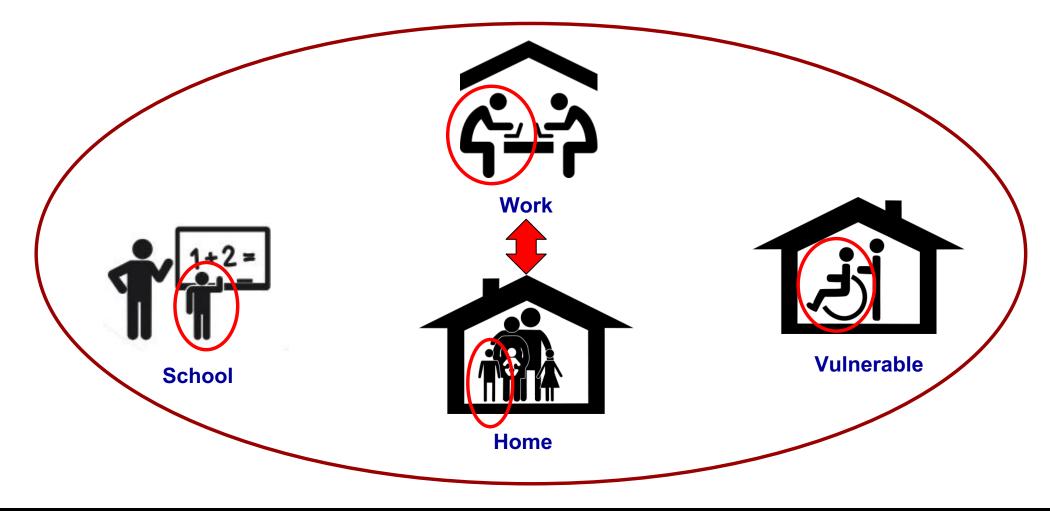
Public Health Guidelines



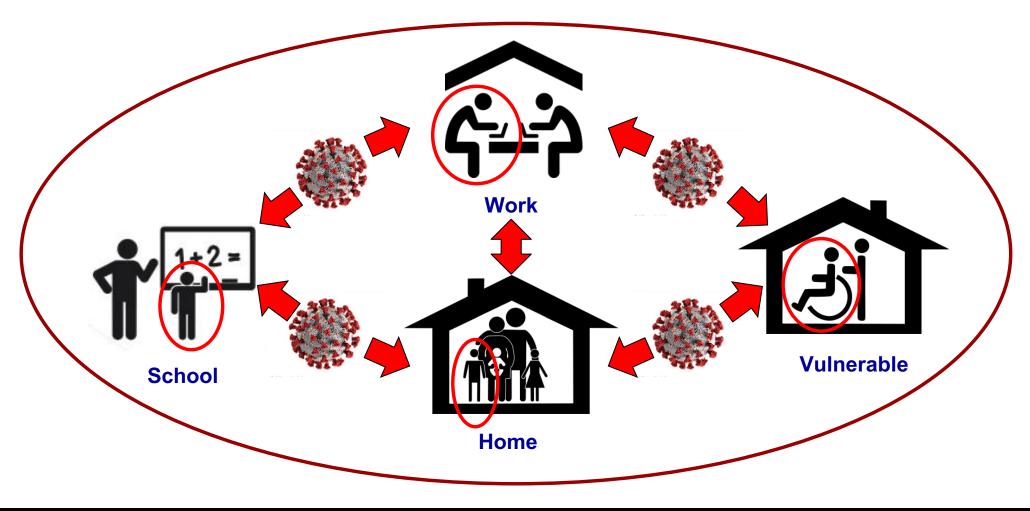
Family Safety Plans



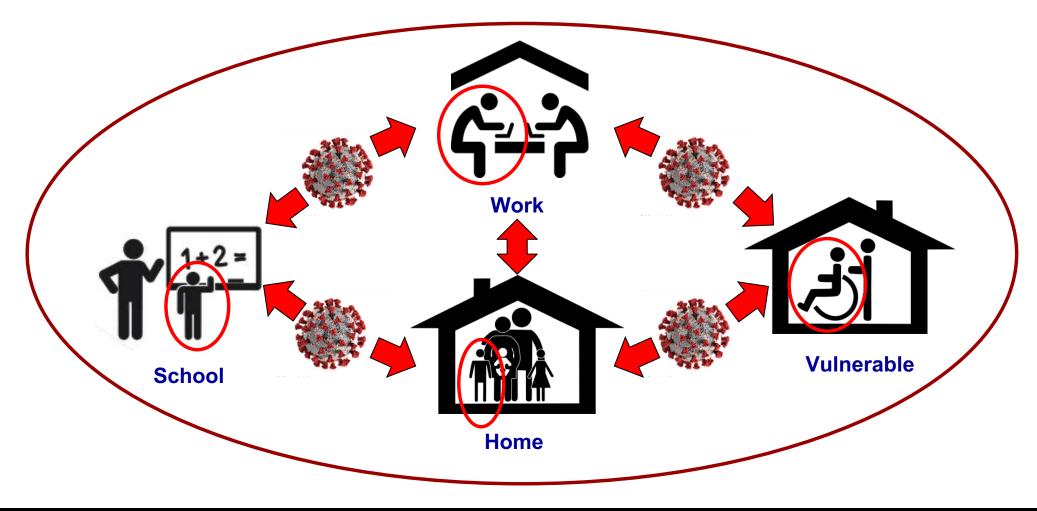
Family Transmission Chains



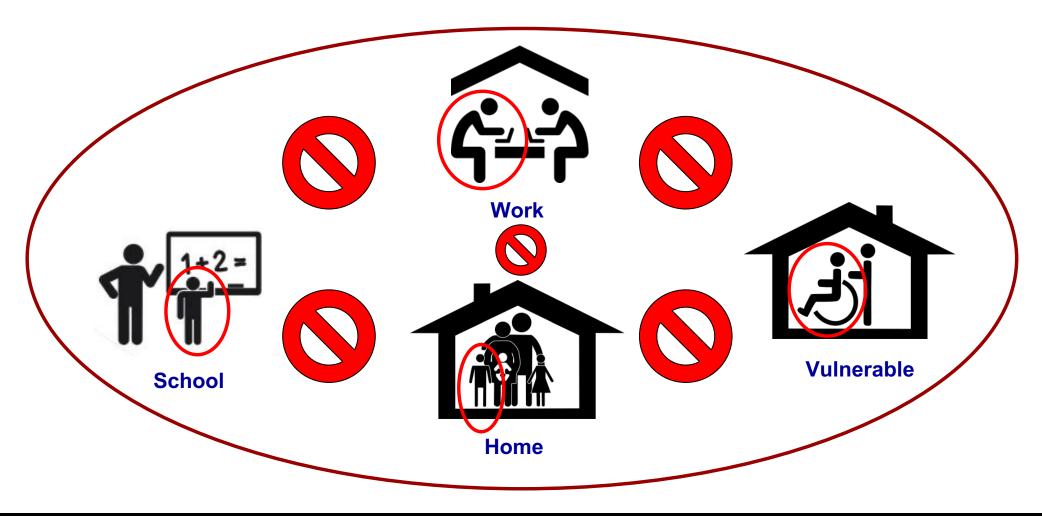
Family Transmission Chains



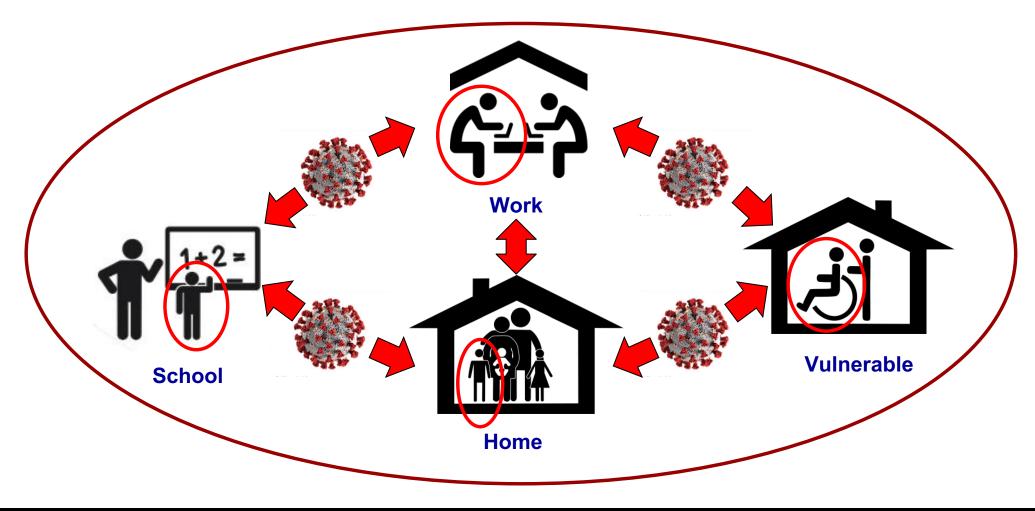
The Achilles Heel



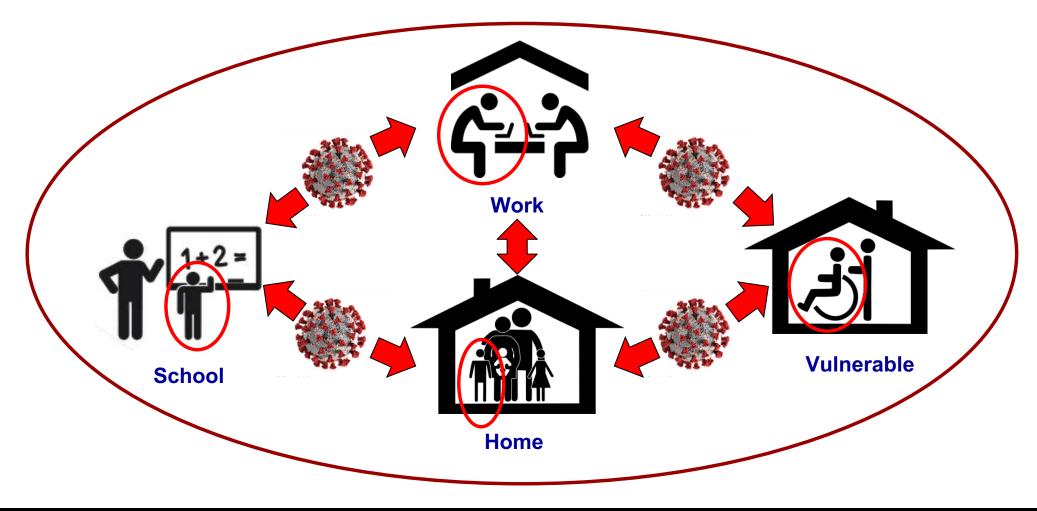
Breaking Family Transmission Chains



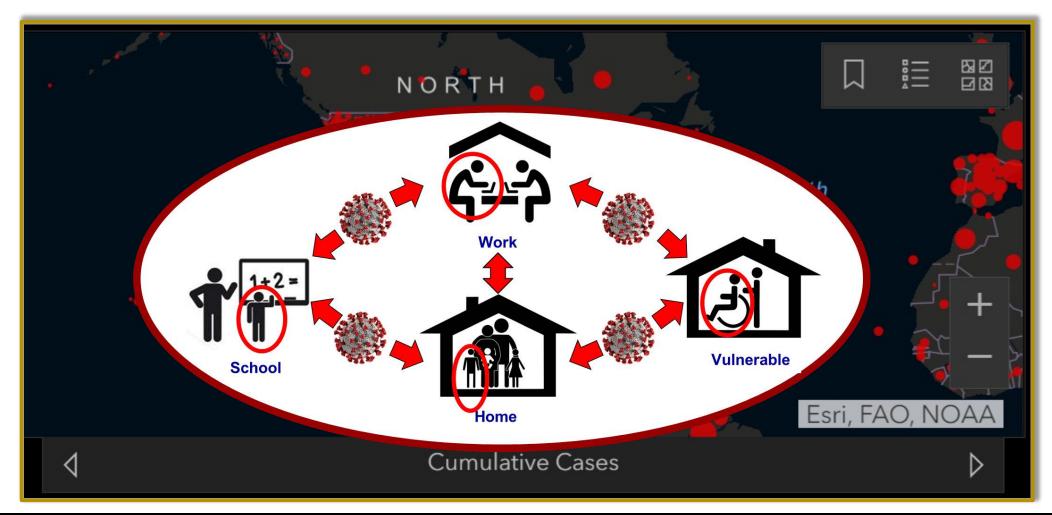
Save the Families...



Save the Families... You Save the Worker



Save the Families Across Communities...



Coronavirus Care Results

- Established National Community of Practice
- Launched Multi-center Family R&D Study 1,000 Polled
- 32 Ninety Minute Broadcasts and Online Programs
- 12 Survive & Thrive Family Training Programs
- Produced a National Campus Safety Summit
- Published Multiple Articles Providing Guidance
- Established Student Led College & Alumni Programs
- Delivered Free Continuing Education for Caregivers
- Short Videos for Mobile Viewing
- Rapid Response to Family Gatherings
- National Vaccine Hesitancy Student Outreach
- Smart Phone Mobile Applications

Survive &Thrive Guide Program Road Map

















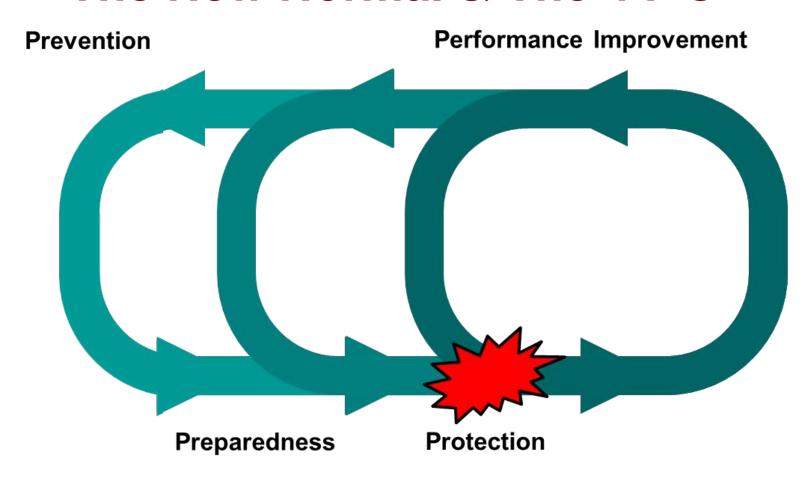




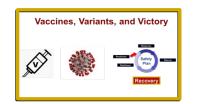


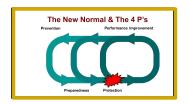


The New Normal & The 4 P's



Survive & Thrive Guides: Prevention, Preparedness, Protection, and Performance Improvement





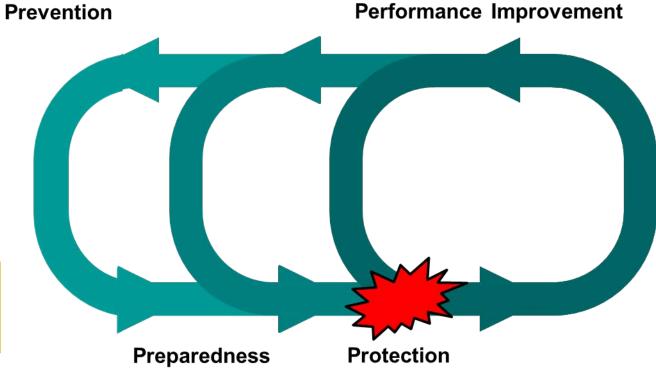


























Take the Shot - Save a Life...

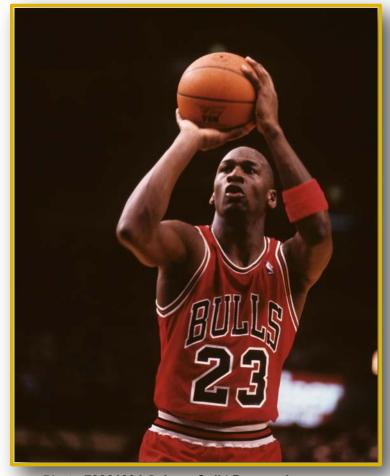


Photo 73861834 © Jerry Coli | Dreamstime.com

The Vaccination Conversation

- Why Vaccinate?
- Why You?
- Why Now?

The Vaccination Conversation





Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series

Youth & Young Adult Team



D Contreras EMT Harvard



Ivy Tran EMT Harvard



Nick Scheel UCSB



Sophia McDowell
California Inst. of Arts



Audrey Lam EMT USC



Jacqueline Botz Chapman



Luis Licon UCI Alum



Melanie Rubalcava UCSD



Charlie Denham III High School Lead



Charlie Beall Stanford Alum



Marcus McDowell
U of Cincinnati



Jaime Yrastorza UCSD Pre-med



Paul Bhatia EMT UCI Pre-med



D Policichio NYU Film



Manue Lopez Berkeley Alum



Preston Head III UCLA Alum





Family Rescue R&D







StanfordUniversity











The 5 R's of Safety

Recovery













What do we want you to KNOW?



What do we want you to FEEL?



What do we want you to DO?



What do we want you to SAY?

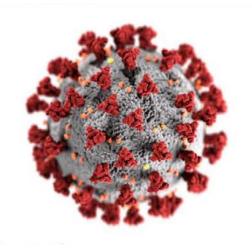
Coronavirus Care Community of Practice

Dealing with Delta: Critical FAQsA Survive & Thrive Guide™



John Christian Fox, MD, FCCM

Professor and Chair, Emergency Medicine School of Medicine University of California Irvine







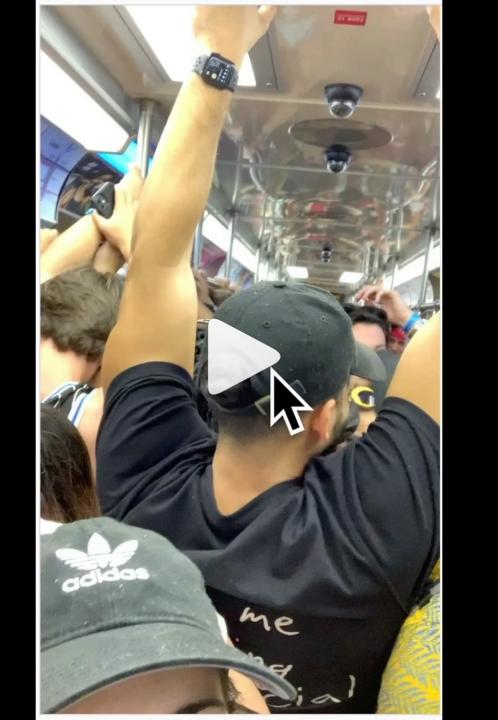


THE DELTA VARIANT - THE DELTA VARIANT THE DELTA VARIANT - THE DELTA VARIANT - THE DELTA VARIANT - THE DELTA VARIANT

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TICKETS AT LOLLAPALOOZA.COM





US, OC, UCI Health Vaccination

	Adults			Total Population		
	US	ОС	UCI Health	US	ОС	
≥ 1 Dose	69%	75%	82%	57%	63%	
Fully Vaccinated	60%	66%	81%	49%	55%	

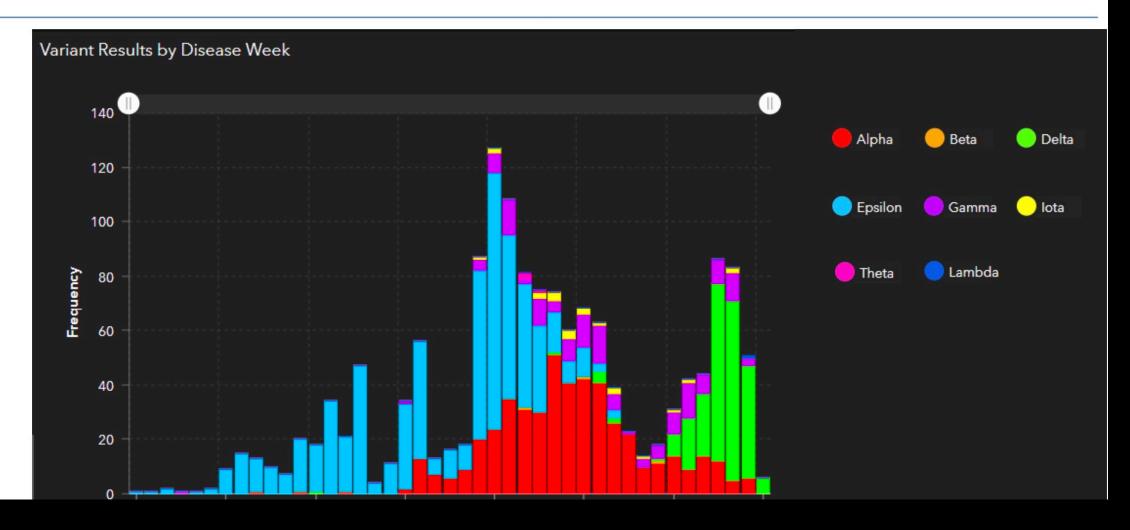
- Strong vaccine supply
- Next few months critical
- For winter, need uptake in high-risk communities, settings

RNs: 89%

MDs 90%

Residents: 94%

CA COVID Variants Over Time



COVID Risk by Age Among Unvaccinated

Rate ratios compared to 18- to 29-year-olds¹

	0-4 years old	5-17 years old	18-29 years old	30-39 years old	40-49 years old	50-64 years old	65-74 years old	75-84 years old	85+ years old
Cases ²	<1x	1x	Reference group	1x	1x	1x	1x	1x	1x
Hospitalization ³	<1x	<1x	Reference group	2x	2x	4x	6x	9x	15x
Death ⁴	<1x	<1x	Reference group	4x	10x	35x	95x	230x	600x

UK Study on Long Haul COVID in Adults

Prospective COVID Symptom Study app

- ➤ 4,182 adults
- Persistent symptoms
 - 13% >4 weeks
 - 5% >8 weeks
 - 2% >12 weeks

Prolonged symptoms

- > Fatigue, headache, dyspnea, anosmia most common
- > Increased risk among females and increased age, BMI

UK Study on Long Haul COVID in Adults

- Early COVID symptoms associated with prolonged symptoms
 - > Fatigue (OR 2.8)
 - ➤ Headache (OR 2.6)
 - Dyspnea (OR 2.4)
 - ➤ Hoarse voice (OR 2.3)
 - ➤ Myalgia (OR 2.2)

Italian Study on Long Haul COVID in Children

- All COVID+ patients ≤18yo at single hospital in Rome
 - > 129 children enrolled with COVID+ test
 - Subsequently
 - 57% had symptoms >120 days
 - 2% Multisystem Inflammatory Syndrome
 - 2% Myocarditis
 - Most common persistent symptoms
 - Insomnia (19%), respiratory issues (15%), congestion (12%), fatigue (11%), myalgia (10%), arthralgia (7%), difficulty concentrating (10%)

Italian Study on Long Haul COVID in Children

- All COVID+ patients ≤18yo at single hospital in Rome
 - > 129 children enrolled with COVID+ test
 - Su
 Risk of myocarditis from COVID 2%
 Risk of myocarditis from mRNA vaccine: <0.005%
 - Most common persistent symptoms
 - Insomnia (19%), respiratory issues (15%), congestion (12%), fatigue (11%), myalgia (10%), arthralgia (7%), difficulty concentrating (10%)

COVID-19 Vaccine Updates

Full Licensure

- Pfizer filed May 7, Moderna filed June 1
- > FDA approval expected fall-January 2022
- Confidence in safety by nearly 1 billion mRNA doses given

	Pfizer	Moderna	J&J
Global Doses in Millions	587 M	187 M	24 M
U.S. Doses in Millions	190 M	138 M	13 M

COVID-19 Vaccine Updates for Young Children

Young Children – Pfizer

- ➤ FDA requires 4 months of safety data for emergency use authorization (EUA) and 6 months for full approval
- > 5-11yo EUA expected early to mid-winter
- > 2-5yo EUA a few months later
- > 6 months-2y in first half 2022

Changes in Pandemic Due to Delta

UCI Co-Worker Cases

- > 75% vaccine breakthrough with delta variant
- Off-site behavior allowable per CDPH/Governor, but risky
- > Vaccine highly protective for severe disease, but likely contagious

Prevention, regardless of vaccination status

- ➤ Do not assume vaccine 100% protective
- Mask in indoor social events with persons of unknown vax status
- > Post-social event, be attentive for any symptoms for 14 days
- > Any symptoms (even mild), stay home and test rapidly

How to Assess Your Risk of COVID if Exposed

Exposure depends on the safety/vaccination status of your close contacts Remember, people are contagious 2 days before symptoms appear

	Unmasked,	Masked,	Masked,
	Undistanced	Undistanced	Distanced
Vaccinated	36% Risk	Very low (12%)*	No Risk
	64% Protection	88% Protection	100% Protection
Unvaccinated	100% Risk 0% Protection	Moderate Risk*	Low Risk*

^{*}Dependent on season, snug fit of mask, hand hygiene before touching face, distanced eating

Pandemic Prognosis: What's Next

- Series of unfortunate events
 - Continued delta variant cases with unmasked social events
 - Magnified by school start (mid-August)
 - Accelerated by seasonal change
 - Worsened by holiday gatherings

UCOP COVID-19 Mandatory Vaccine Policy FINAL

- Applies to on-site staff, faculty, students, contractors, volunteers
 - No option to mask instead of vaccinate
 - > Can apply for medical exemption and religious exception
 - ✓ Contact your HR representative
 - ✓ If exempt, 2x weekly COVID testing required per CDPH
 - Deadlines
 - ✓ School of Medicine: July 21
 - ✓ UCI Health: September 1

Area	Vaccinated	Unvaccinated	
Outdoors	Mask on UCI Health premises	Mask on UCI Health premises	
Indoors: Non-patient care*	Mask on UCI Health premises Recommend distance, as able	Must mask. Distance 6 ft if unmasked for eating/drinking	
Indoors: Patient care area	Must mask & distance	Must mask & distance	

September 1

Area	Vaccinated
Outdoors	Mask on UCI Health premises
Indoors: Non-patient care*	Mask on UCI Health premises Recommend distance, as able
Indoors: Patient care area	Must mask & distance

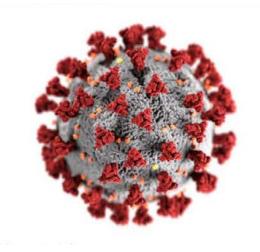
Coronavirus Care Community of Practice

Dealing with Delta: Critical FAQsA Survive & Thrive Guide™



Brittany Barto-Owens

Community Pediatrician Survive & Thrive Subject Matter Expert



Be Your Family Lifeguard & Holiday Huddle Checklist During Delta



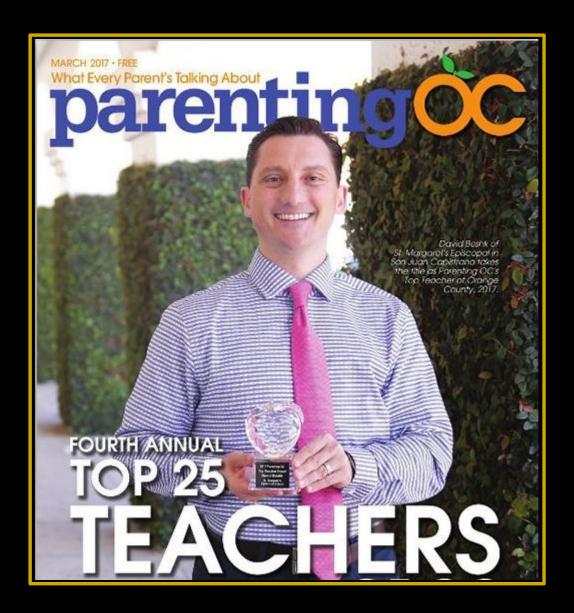
Charles R. Denham III

High School Student
Co-founder Med Tac Bystander
Rescue Care Program
Co-lead Lifeguard Surf Program
Junior Med Tac Instructor
Certified Lifeguard



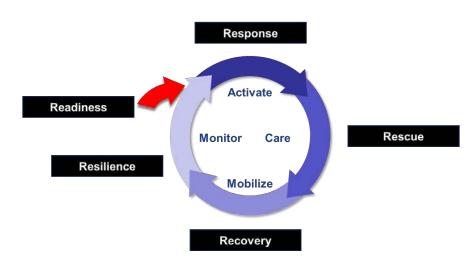
David Beshk

Award Winning Educator
Med Tac Master Instructor
Eagle Scout Advisor
Merit Badge Counselor





Family Health Safety & Organization Security Plans



The Family CFO: Chief Family Officer



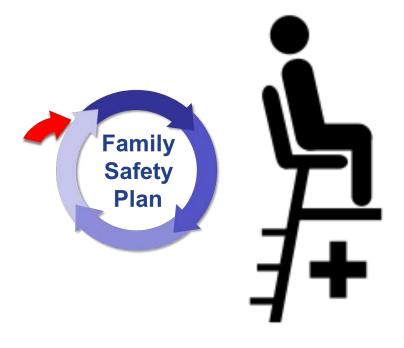
Thoughts for Families with Young Children:

- □ Review other Readiness Checklists. Use FEMA Emergency Preparedness Checklist (we use when we teach Med Tac Bystander Rescue Program).
- Make sure you have Personal Protective Equipment for everyone.
- Make sure you have a copy of everyone's Medical Records including lists of allergies and meds.

- Review the 5 Rights of Emergency Care video to be prepared for a new experience.
- ☐ Use Icons in your plan to make plan family friendly.
- ☐ Create plan sections for adults and children
- ☐ Create an "All Teach All Learn" Environment
- □ Play Date Simulations for being prepared.
- ☐ Gamify Readiness we use FEMA as an example

Be Your Family Lifeguard

90% Prevention and 10% Rescue



Holiday Huddle Checklist

The Goal - Prevent Bubble Trouble

Maintain the Four Pillars: Distance, Hand Hygiene, Disinfect Surfaces, and Mask Use

Before Event:

- Assign Tasks to Family Members
- ☐ Prepare Separate Family Bubble Portions
- ☐ Set Up Handwashing Stations
- Develop a Bathroom Plan
- ☐ Prepare Bathroom Optimize Ventilation
- Maintain Kitchen Hygiene

During Event:

- ☐ Convene Holiday Huddle with Guests
- □ Opening Prayer
- Describe Safe Family Bubbles
- ☐ Review Four Safety Pillars
- □ Provide Restroom Plan
- ☐ Describe Eating Plan
- ☐ Summarize Clean Up Plan

After Event:

- ☐ Glove up to Clean Up
- Soak Plates and Cutlery in Soapy Water
- Wipe down surfaces touched by guests
- ☐ Wipe down bathroom used by guests
- ☐ Meet to de-brief to be safer next time

Spring Break, Ski Week, and Vacations



Holiday Huddle Checklist

The Goal - Prevent Bubble Trouble

Maintain the Four Pillars: Distance, Hand Hygiene, Disinfect Surfaces, and Mask Use

Before Event:

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Family Lifeguard

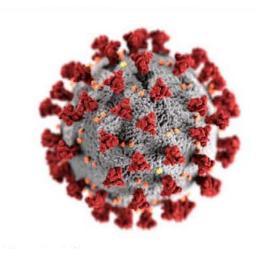


Dealing with Delta: Critical FAQs A Survive & Thrive Guide™



David Beshk

Med Tac Master Instructor
Award Winning Educator
Lower School Science Teacher



Coronavirus Care Community of Practice

Bystander Rescue Care CareUniversity Series

Speakers & Reactors



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Dr. Mansfield



Dr Chris Fox



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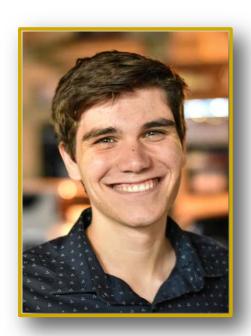
D Policicchio



David Grinsfelder

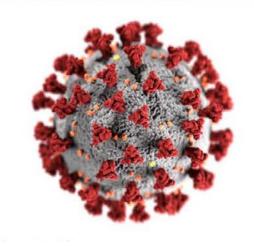
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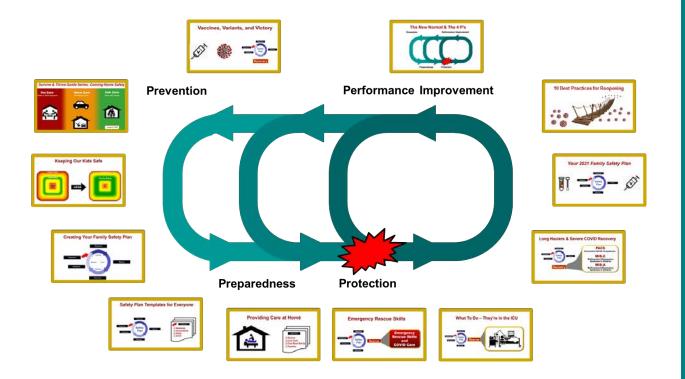


Jaime Yrastorza

Freshman Medical Student Med Tac R&D Intern Med Tac Student Outreach Program



Our Survive & Thrive Guide Updates



10 Best Practices:

- 1. Vaccines Take the Shots
- 2. Coming Home Safe
- 3. Keeping the Family Safe
- 4. Creating a Family Safety Plan
- 5. Practicing the Family Safety Plan
- 6. Providing Care at Home
- 7. Emergency Rescue Skills
- 8. What to Do They're in ICU
- 9. Long Haulers & COVID Recovery
- 10. The 4 P's at the New Normal

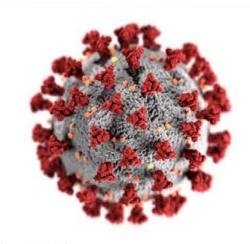


Dealing with Delta: Critical FAQsA Survive & Thrive Guide™



Christopher Peabody, MD, MPH

Associate Professor, Emergency Medicine Director Innovation Center University of California, San Francisco UCSF



1. Vaccines – Take the Shots

Vaccines: Take the Shots



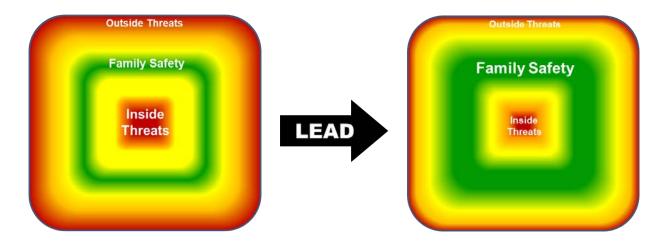


- 1. Vaccines Take the Shots
- 2. Coming Home Safe



- 1. Vaccines Take the Shots
- 2. Coming Home Safe
- 3. Keeping the Family Safe

Keeping the Family Safe



Threats x Vulnerability = Risk

- 1. Vaccines Take the Shots
- 2. Coming Home Safe
- 3. Keeping the Family Safe
- 4. Creating a Family Safety Plan
- 5. **Practicing the Family Safety Plan**

Practicing the Family Safety Plan



Readiness: Preparation, regular review, and updating of a plan based on the latest science. Regular deliberate practice of roles and skills each family member undertake.

Readiness

Resilience

Resilience: Fortify response, rescue, and recovery actions in plan. In law enforcement and healthcare, we call this "target hardening".



Response: Family moves to action to respond to an emergency. Safeguards are put in place. The family may respond to a member being infected or exposed to someone infected.

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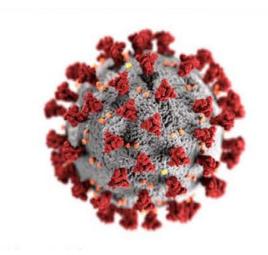


10 Best Practices for ReopeningA Survive & Thrive Guide

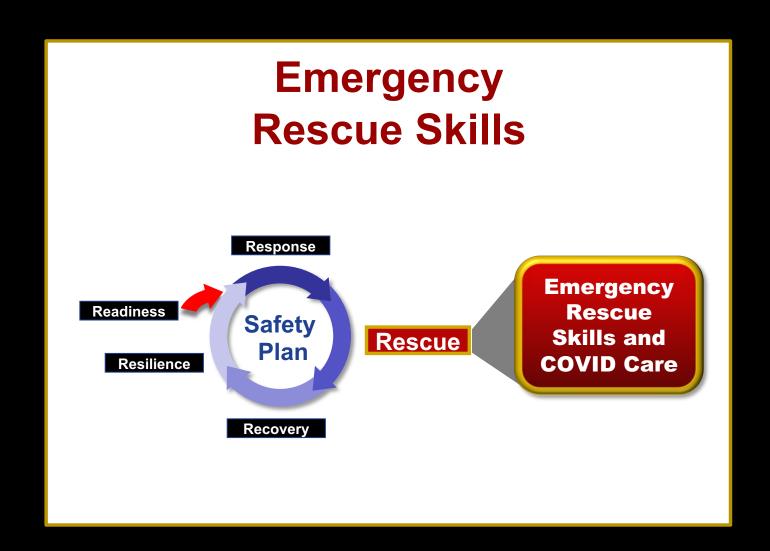


Heather Foster RN BSN

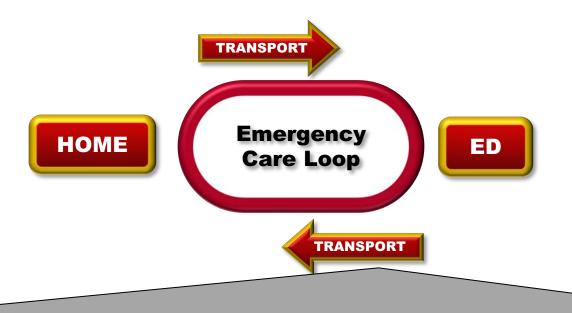
Frontline Nurse Infection Prevention Advisor Patient Safety Advocate Dolores Colorado

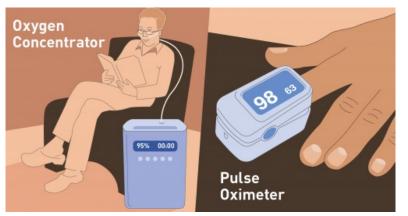


- 1. Vaccines Take the Shots
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- 5. Practicing the Family Safety Plan
- **6. Providing Care at Home**
- 7. Emergency Rescue Skills



Emergency Rescue Skills: After Discharge & Transport Home









Video Library

Med Tac Story

Med Tac Leadership Team

Adopt a Cove Program

5 Rights of Emergency Care

College and Youth Program

Surf & Lifeguard Program

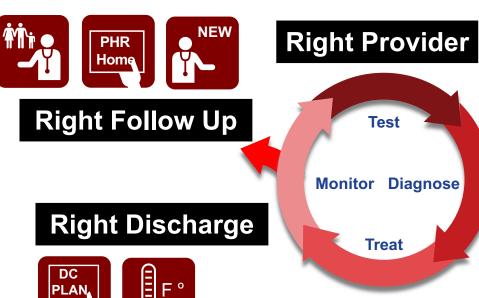
3 Minutes & Counting Trailer

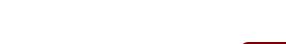
Opioid Overdose Briefing

The 5 Rights of Emergency Care™

Test

Treat











Right Diagnosis Monitor Diagnose















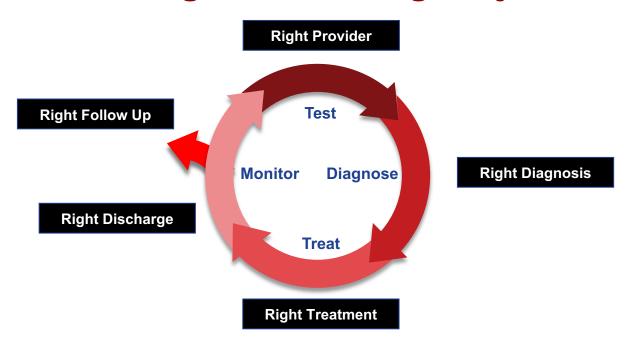




© C Denham 2021

Source: Denham, CR

The 5 Rights of Emergency Care ™



Right Provider: Patients and families need to choose the best emergency care provider they will use prior to experiencing an emergency.

Right Diagnosis: The right diagnosis depends on information – make sure to help the emergency care providers with all of the information you have to help them.

Right Treatment: It is important to understand both the short-term implications of emergency care as well as the long-term implications. An emergency medicine visit is a snapshot in time.

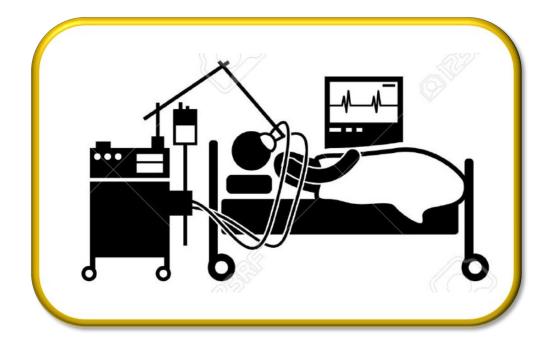
Right Discharge: A critical area for safety is the discharge from the Emergency Department. The information shared with the patient and family will have a major impact on the outcome of care. We need to understand why we may need to come back for care.

Right Follow-up: The continuity of care after an Emergency Medicine visit is very important to the long-term outcome of the care received. The breakdown in follow up is often an area of safety risk.

Source: Denham, CR

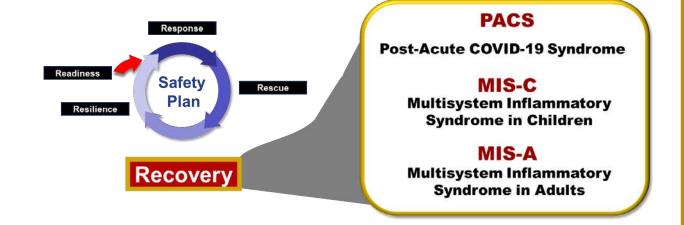
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What to Do When They're in ICU



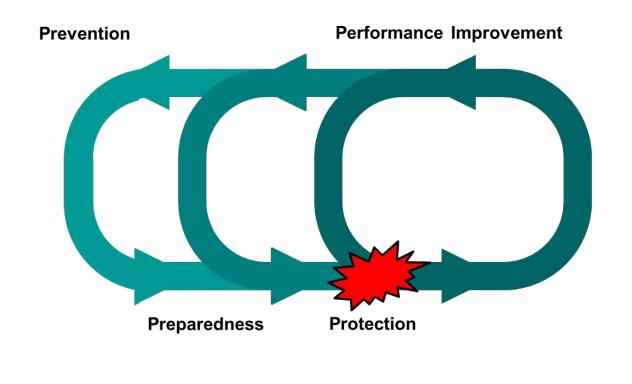
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Long Haulers & COVID Recovery



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The 4 P's at the New Normal





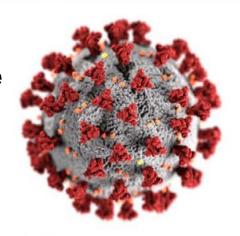


Dealing with Delta: Critical FAQs A Survive & Thrive Guide™



Gregory H. Botz, MD, FCCM

Professor of Anesthesiology and Critical Care UT MD Anderson Cancer Center, Houston, TX Adjunct Clinical Professor, Department of Anesthesiology Stanford University School of Medicine, Stanford, CA



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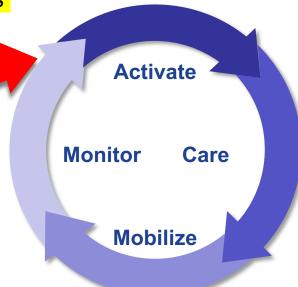
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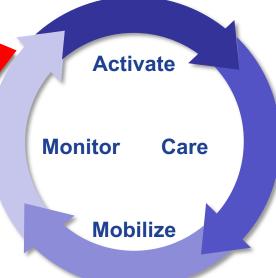
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Readiness

Activate

Monitor Care

Mobilize

Recovery

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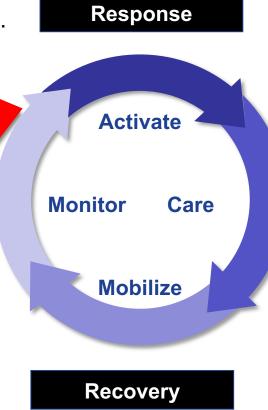
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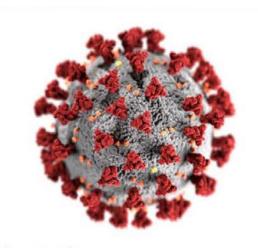
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Dealing with Delta: Critical FAQs A Survive & Thrive Guide™



Randy Styner

Director Emergency Management University of California Irvine Best Selling Author Scout Leader







Dealing with Delta: Critical FAQs *A Survive & Thrive Guide*■



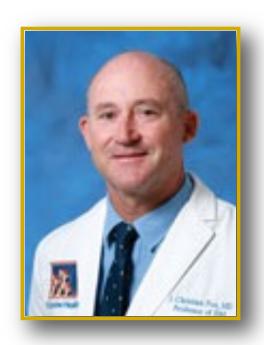
William Adcox, MBA

Chief of Police and Chief Security Officer MD Anderson Cancer Center and The University of Texas Health Science Center, Houston, TX



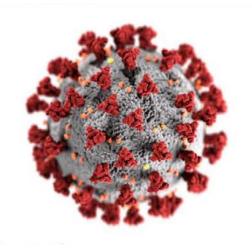
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Dealing with Delta: Critical FAQs *A Survive & Thrive Guide*■



John Christian Fox, MD, FCCM

Professor and Chair, Emergency Medicine School of Medicine University of California Irvine



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Speakers & Reactors



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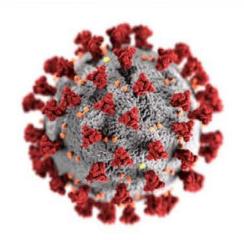


Voice of the Patient



Jennifer Dingman

Founder, Persons United Limiting Substandard and Errors in Healthcare (PULSE), Colorado Division Co-founder, PULSE American Division TMIT Patient Advocate Team Member Pueblo, CO



Fight the Good Fight

Finish the Race

Keep the Faith

Additional Resources

High Impact Care Hazards to Patients, Students, and Employees



https://www.medtacglobal.org/



Bystander Care Training is a critical need in all communities. The preventable deaths we see in the news are the tip of the iceberg. Our program is a Good Samaritan support system to help everyone learn life-saving actions that will save lives.

High Impact Care Hazards are conditions that are frequent, severe, preventable, and measurable. We have identified the leading causes of death that strike children, youth, and those in their workforce years. We provide evidence-based bystander care training that can have the greatest impact.

Bystander Rescue Skills are the competencies that bystanders can learn that will save lives in the few precious minutes before the professional first responders arrive. Such behaviors can be learned by children, adults, and entire families. We have programs for children, adults, law enforcement, educators, lifeguards, and caregivers.

MedTac is the only integrated program addressing the top causes of death of otherwise healthy children, youth, and adults in the workforce. Med Tac partners with terrific on-site trainers from great organizations who are already in the community.

The Solution: **Bystander Rescue Care**

Cardiac Arrest

Choking & Drowning

Opioid OD & Poisoning

Anaphylaxis















Major Trauma

Infection Care

Transportation

Bullying









The Solution: Bystander Rescue Care

Cardiac Arrest





Sudden Cardiac Arrest: There is an epidemic of SCA with one quarter of the SCA events in children and youth occurring at sporting events. CPR and AED use have a dramatic impact on survival.

Possible Lives Saved in the US: 2 every hour and 3 children per day at a sporting event – 25% of SCA deaths in children occur at such events.

Choking & Drowning





Choking: More than 100,000 lives have been saved with the Heimlich Maneuver. Most choking deaths are preventable.

Possible Lives Saved in the US: 13 per day

<u>Drowning</u>: By population, drowning and near drowning events are very common. Since much of the OC population is near water, the numbers are likely much greater.

Possible Lives Saved in the US: 8 per day

Opioid OD & Poisoning



Opioid Overdose and Poisoning: An exploding opioid OD crisis is gripping our nation with a great toll on families. Narcan opioid reversal agents, rescue breathing and positioning, and rapid EMS response saves lives. Awareness drives prevention.

Possible Lives Saved in the US: There are 197 OD deaths per day. Up to 8 lives may be saved per hour.

Anaphylaxis





Anaphylaxis & Life Threatening Allergies: Many events are unreported; however 22% occur in children without a prior diagnosis of allergies. More than one in twenty adults will have an anaphylactic event in their lifetime. Epinephrine auto-injectors save lives within minutes.

Possible Lives Saved in the US: 1 per day

Major Trauma



Major Trauma & Bleeding: Bystander care especially for major bleeding using Stop-The-Bleed techniques of wound pressure, bandages, and tourniquets can have an enormous impact on survival.

Possible Lives Saved in the US: 1 per hour

Infection Care



Infection Care: Epidemics, pandemics, and seasonal infections are a leading cause of death. Prevention, preparedness, protection, and performance improvement strategies and tactics are critical to save lives and inform all Med Tac efforts. They are a feature of all Med Tac Bystander Rescue Care.

Possible Lives Incalculable

Transportation



Non-traffic Related Vehicular Accidents: The incidence of non-traffic related drive-over accidents near schools and home is greater than 50 per week. More than 60% of the drivers are a parent or friend.

Possible Lives Saved in the US: Including adults, there are 1,900 deaths per year; many are preventable.

Bullying



<u>Bullying & Workplace Violence</u>: Bullying and abuse of power in schools and at work can lead to suicide, workplace violence, violent intruders, and active shooter events.

Possible Lives Saved in the US: Difficult to estimate, however the consensus is that they are likely to be very significant.

Cardiac Arrest





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COVID-19 and Adult CPR

If an adult's heart stops and you're worried that they may have COVID-19, you can still help by performing Hands-Only CPR.



Step 1



Phone 9-1-1 and get an AED.

Step 2



Cover your own mouth and nose with a face mask or cloth.



Cover the person's mouth and nose with a face mask or cloth.

Step 3



Perform
Hands-Only CPR.
Push hard and fast on
the center of the chest
at a rate of 100 to 120
compressions
per minute.

Step 4



Use an AED as soon as it is available.

KJ-1424 4/20 © 2020 American Heart Association

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SAVE A LIFE. GET NALOXONE.

Naloxone stops an overdose caused by opioid pain medication, methadone or heroin.

People at risk for overdose and their family and friends can learn to spot an overdose and respond to save a life. To get naloxone, present this card to the pharmacy staff.



MULTI-STEP NASAL SPRAY

DIRECTIONS: Spray 1 mL (half of the syringe) into each nostril.

NO BRAND NAME/GENERIC

COST: \$-\$\$



NASAL SPRAY

DIRECTIONS: Spray full dose into one nostril.

BRAND NAME: Narcan

COST: \$\$\$



INTRAMUSCULAR INJECTION

DIRECTIONS: Inject 1 mL in shoulder or thigh.

NO BRAND NAME/GENERIC

COST: \$-\$\$



AUTO-INJECTOR

DIRECTIONS: Use as directed by voice-prompt. Press black side firmly on outer thigh.

BRAND NAME: Evzio

COST: \$\$\$5' Coupons available, see evzio.com for more info

FOR ALL PRODUCTS, repeat naloxone administration after 2-3 minutes if there is no response.

Most insurance will cover at least one of these options, or you can pay cash. All products contain at least two doses

Used with permission from Boston Medical Center

For more on opioid safety, videos on how to use naloxone, or to get help for addiction, go to PrescribetoPrevent.org



CareUniversity

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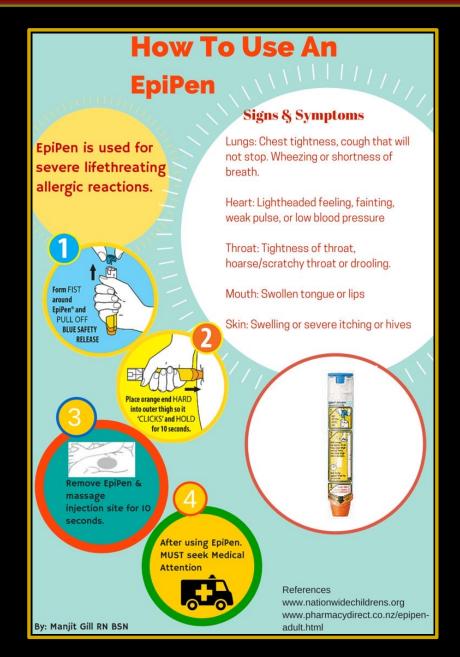
Med Tac Bystander Rescue Care

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Anaphylaxis & Life Threatening Allergies: Many events are unreported; however 22% occur in children without a prior diagnosis of allergies. More than one in twenty adults will have an anaphylactic event in their lifetime. Epinephrine auto-injectors save lives within minutes. Possible Lives Saved in the US: 1 per day



Major Trauma



Major Trauma & Bleeding: Bystander care especially for major bleeding using Stop-The-Bleed techniques of wound pressure, bandages, and tourniquets can have an enormous impact on survival.

Possible Lives Saved in the US: 1 per hour



Infection Care



Infection Care: Epidemics, pandemics, and seasonal infections are a leading cause of death. Prevention, preparedness, protection, and performance improvement strategies and tactics are critical to save lives and inform all Med Tac efforts. They are a feature of all Med Tac Bystander Rescue Care. Possible Lives Incalculable



Clean A Cut – Save A Life: The pathogens of today are very resistant to antibacterial agents and can progress to life-threatening sepsis. So minor cuts and scrapes must be treated immediately and watched closely. Such wounds need to be cleaned quickly, only with soap and water. Alcohol or hydrogen peroxide will harm healing and they harm the infant cells critical to closing the wound.

Transportation



Non-traffic Related Vehicular Accidents:

The incidence of non-traffic related driveover accidents near schools and home is greater than 50 per week. More than 60% of the drivers are a parent or friend. Possible Lives Saved in the US: Including

Possible Lives Saved in the US: Including adults, there are 1,900 deaths per year; many are preventable.



Bullying



Bullying & Workplace Violence: Bullying and abuse of power in schools and at work can lead to suicide, workplace violence, violent intruders, and active shooter events.

Possible Lives Saved in the US: Difficult to estimate, however the consensus is that they are likely to be very significant.

