



CFDMC Annual Conference

December 13, 2023

Opening Session: Reginald Kornegay, CFDMC Board Chair, welcomed attendees. He announced that the Coalition is ten years old this month! Reggie recognized the Executive Committee members, Board members, the conference sponsors, and the conference planning team.

Region 5 Threat Assessment: Brittany DiCaprio and Kayli Torres from the FBI provided an overview of local and national threats (see attached presentation).

Extreme Weather: Jessie Smith from NOAA provided an update on extreme weather expected this winter (see attached presentation).

Panel Discussion: Life in the Extremes: Steven Lerner presented on extreme heat and the challenges and response this past summer. Heat waves kill more Americans than any other natural disaster. Michelle Rud provided an overview of an extreme threat her hospital experienced in 2023 (see attached presentation). Eric Alberts provided an overview of violent events in Central Florida recently (see attached).

The Psychology of Learning Through Extreme Change: Dwight Bain from Lifeworks presented on managing change and chaos. He provided a takeaway with tools and resources for managing (see attached).

Medical Response to Terrorist Attacks and MCIs “The Israeli Experience:” Clint Sperber introduced Guy Caspi, Magen David Adom, and described his experience and responsibilities. Guy provided a compelling and impactful presentation on Israel’s mass casualty incident (MCI) plan and responses. He also provided an overview of Operation Iron Sword, Israel’s response to the October 7th attacks. Guy received a standing ovation, and Reggie thanked him for sharing these experiences with our members, particularly amidst their ongoing challenges. We will send Mr. Caspi and his colleagues a Coalition Challenge Coin as a token of our gratitude.

Closing Session:

Clint Sperber, Executive Committee Member, Health and Medical Co-Chair, and Health Officer for DOH-St. Lucie recognized Dave Crowe, the Region 5 Emergency Response Advisor, who will be retiring early next year.

Reggie presented the Member of the Year Award to Michelle Rud, HCA Florida Osceola Hospital. Michelle thanked the coalition and commended the regional collaborations. Reggie announced other nominees – Steven Lerner, Amanda Nixon and Shawn Treloar; all will receive a certificate along with their nominations.

Reggie presented the Leader of the Year Award to Alan Harris, Seminole County Emergency Manager. Alan was out of town but provided a video with his thanks.

First	Last	Email	Organization	In Person-P or Virtual-V	Registered - R or Walk-in-W
Eric	Alberts	Eric.Alberts@orlandohealth.com	Orlando Health	P	R
Darren	Armstrong	Darren.Armstrong@va.gov	VA Healthcare Administration	P	R
Dwight	Bain	thelifeworksgroup@gmail.com	Lifeworks	P	R
Maria	Bledsoe	mbleedsoe@cfchs.org	Central Florida Cares	P	W
Claudine	Boring	cboring@volusiasheriff.gov	Volusia Sheriff's Office Communications	P	R
Tim	Boring	tboring@volusia.org	Volusia County	P	R
Jim	Brachman	jfbrachman1@mmm.com	3M	P	W
Gregory	Brenneman	gregory.brenneman@brevardfl.gov	Brevard County Emergency Management	P	R
Clariece	Brunson	clariece.brunson@orlandohealth.com	Orlando Health, Inc.	P	R
Avi	Bryan	abryan@altamonte.org	City of Altamonte Springs	P	R
Hillarie	Burgess	hillarie.burgess@hotzoneusa.com	Hot Zone USA	P	R
Joey	Burgess	joeyburgess@hotzoneusa.com	Hot Zone USA	P	R
Ted	Burgwald	ted.burgwald@adventhealth.com	AdventHealth	P	R
Nathan	Carpenter	nathan.carpenter@brooksrehab.org	Brooks Rehabilitation	P	R
Guy	Caspi	BFinley@afmda.org	MDA	V	R
Georgianne	Cherry	georgianne.cherry@flhealth.gov	DOH-Volusia	V	R

Julia	Coker	julia.coker@orlandohealth.com	Orlando Health	P	R
Christine	Colby	CColby@fhcinc.org	FCHC	P	R
Beverly	Cook	bbacook@aol.com	CFDMC	P	R
John	Corfield	john.corfield@orlandohealth.com	Orlando Health	P	R
David	Crowe	david.crowe@flhealth.gov	Florida Department of Health	P	R
Megan	Cummings			V	W
Tom	Daniels	tom.daniels@ocfl.net	Orange County FL government	P	R
Taylor	Dark	Taylor.Dark@hcahealthcare.com	Oviedo Medical Center	P	R
Brittany	DiCaprio	BMDiCaprio@FBI.gov	FBI	P	R
Christopher	Dorans	christopher.dorans@flhealth.gov	DOH	P	R
Jemima	Douge	Jdesir@tgh.org	Poison Center	V	R
Lynne	Drawdy	ldrawdy59@gmail.com	Central Florida Disaster Medical Coalition	P	R
Melissa	Ell	Melissa.Ell@HCAHealthcare.com	HCA Florida Lake Monroe	P	R
Justin	Everhardt	jeverhardt16@icloud.com	AdventHealth	P	R
Bonnie	Finlay		MDA	V	R
Amanda	Freeman	amanda.freeman@ocfl.net	Orange County Office of the Medical Director	P	R
Cedah	Friday	cedah.friday@orlandohealth.com	Orlando Health	P	R
Juan	Gomez	juan.gomez@hcahealthcare.com	HCA Florida Poinciana Hospital	P	R

ATHENA	HERNANDEZ	AHERN.FHS@GMAIL.COM	FLORIDA HOMECARE SPECIALISTS	P	R
Erin	Hicks	erincary99@gmail.com	Lake County Office of Emergency Management	V	R
William	Howe	William.Howe@TampaBayHMPC.org	Tampa Bay Health and Medical Preparedness Coalition	P	R
Brandon	Huang	brandon.huang@orlandohealth.com		V	R
Donald	Hughes	Donald.Hughes@hhs.gov	NDMS	P	R
Jeffery	Jackson	jeffery.jackson3@va.gov	Department Of Veterans Affairs	P	R
Jonathan	Johnston			V	W
Colin	Jones	cjones@smahealthcare.org	SMA Healthcare	P	R
Eli	Jordan	eli.jordan@flhealth.gov	Florida Department of Health	P	R
Pam	Keil	emailme32837@hotmail.com	Orange County Office Of Emergency Management	V	R
Georganne	Kirk	GKirk@fchcinc.org	Florida Community Health Centers	P	R
Aaron	Kissler	aaron.kissler@flhealth.gov	DOH-Lake	P	R
Reginald	Kornegay	reginald.kornegay@va.gov	US Dept of Veterans Affairs - VISN 8	P	R

Darby	Leimer	darby.leimer@orlandoh ealth.com	Orlando Health	P	R
Steven	Lerner	slerner@seminolecount yfl.gov	Seminole Emergency Management	P	R
Steve	Leve	steve.leve@va.gov	Orlando VA Healthcare System	P	R
Kathleen	Lyons	Kathleen.Lyons@flhealth.gov	DOH-Brevard	V	W
Amelia	Mach	amelia.mach@orlandoh ealth.com	Orlando Health	P	R
Brian	Massey	brianmassey@hpcswf.c om	Southwest Florida Healthcare Coalition - Region 6	V	R
Kayla	McMahan	kayla.mcmahan@prepa ris.com	Preparis/BOLDplanni ng	P	R
Matt	Meyers	projects@centralfladisa ster.org	CFDMC	P	R
Patrick	Mull		Aerclave	P	W
QueHuong Lily	Nguyen	huong.nguyen@yahoo.c om	AdventHealth	P	R
Ana	Nieves	ana.nieves@flhealth.gov	DOH-Brevard	V	W
Amanda	Nixon	amandarnixon@gmail.c om	Core Stress Solutions	V	R
Sven	Normann	sven.normann5@gmail. com	Orlando Health - Orlando Regional Medical Center	P	R
Lawrence	Noterman	c.noterman@southernitc.com	SHCM	P	W
Sai	Oicata	soicata@ecfrpc.org	East Central Florida Regional Planning Council	P	R

Thomas	ONeill	taoneill@southernltc.com	Southern HealthCare Management	P	R
IHAB	OSMAN	lhab.Osman@flhealth.gov	Florida Department of Health	V	R
Peter	Pappas	peterpappas52@gmail.com	CFDMC	P	R
Ken	Peach	kpeach@hcecf.org	The Local Health Council of East Central Florida I	V	R
Lizette	Reyes	cemp@ritewayservices.net	Riteway Services	P	R
Aaron	Rhodes	william.rhodes@orlando.gov	Orlando Fire Department	P	W
Franklin	Riddle	Franklin.Riddle@TampaBayhmpc.org	Tampa BayHealth and Medical Preparedness Coalition	P	R
Rob	Rosenthal		MDA	V	R
Michelle	Rud	michelle.rud@hcahealthcare.com	HCA	P	R
Aliya	Safeek	aliya.safeek@orlandohealth.com	Orlando Health	P	R
AJ	Saunders-Johnston	aj.saunders@adventhealth.com	AdventHealth	P	R
Gary	Schindele	gschindele@me.com		P	R
Stephanie	Scuteri	stephanie.scuteri@va.gov	Orlando VA	P	R
Turea	Sheppard	tbhmpc2@gmail.com	TBHMPC	P	R
Wayne	Smith	wayne.smith@davita.com	DaVita	V	R
Melissa	Smith	melissa.smith3@orlandohealth.com	Orlando Health-ORMC	P	R

Jessie	Smith		National Weather Service	P	W
Rick	Soto	rsoto-lopez@ecfrpc.org	ECFRPC	P	W
evan	Spence	evan.spence@orlandoh ealth.com	Orlando Health	V	R
Clint	Sperber	Clint.Sperber@flhealth.gov	DOH-St. Lucie	P	W
Leigh	Spradling	leigh.spradling@parrish med.com	Parrish Medical Center	P	R
Mark	Starer	mark.starer@gmail.com	AdventHealth	P	R
Karen	Street	Karen.Street@flhealth.gov	DOH-Brevard	V	R
Wayne	Struble	wayne.struble@hf.org	Health First Inc.	V	R
Jordan	Subryan	Jasubryan@outlook.co m	Cleveland Clinic	P	R
Michael	Talento	michael.talento@orland	OH Air Care Team	P	R
Kayli	Torres	kstorres@fbi.gov	FBI	P	R
Stephanie	Turner	STurner@fchcinc.org	Community Health Centers	P	R
Lynda	W. G. Mason	chaplain27@gmail.com	CFDMC/Northland Church	P	R
Bill	Wallace	bwallace@vantagepoint c.com	Vantage	P	R
Philip	Weiss	Philip.Weiss@flhealth.g ov	Dept of Health - Martin Cnty	P	R
lydia	williams	Lydia.Williams@flhealth .gov	FDOH-St. Lucie	P	R
Opal	Wilson	5chocolate7dreamer@g mail.com	Northland Church/CFDMC	P	R
Holly	Winhoven	hwinhoven32@gmail.co m	FDOH	V	R

Brenna	Young		Launch	P	R
Hunter	Zager	hunter.zager@tampabayhmpc.org	Tampa Bay Health & Medical Preparedness Coalition	V	R
Brandon	Zcybowste		Aeroclave	P	R
Tracy	Zito	tracy.zito@orlandohealth.com	Orlando Health, Orlando Regional Medical Center	P	R
Becky			Guest	V	W
Kami			Guest	V	W



**Central Florida Disaster Medical
Coalition (CFDMC)
2023 Annual Conference
December 13, 2023**

Opening Session

Reginald Kornegay, 2023 CFDMC Board Chair



Virtual attendees, please put your name,
organization and email address in Chat

Recognition of CFDMC Executive Committee

- ▶ RDSTF Health & Medical Co-Chairs
 - Clint Sperber, Public Health
 - Eric Alberts, Hospitals
- ▶ Board Chair
 - Reginald Kornegay, Federal/Hospitals
- ▶ Board Vice Chair
 - Eric Alberts
- ▶ Treasurer
 - Lynda W.G. Mason, Behavioral Health
- ▶ Executive Director (Ex-Officio)
 - Lynne Drawdy

Recognition of CFDMC Board

- ▶ **Maria Bledsoe** (Brevard, Orange, Osceola, Seminole/ Mental Health)
- ▶ **Olive Gaye** (Orange/Home Health)
- ▶ **Alan Harris** (Seminole/ Emergency Management)
- ▶ **Dr. Vincent Hsu** (Regional/ EID Clinical Champion)
- ▶ **Chief Chris Kammel** (Martin/EMS)
- ▶ **Georganna Kirk** (Martin, St. Lucie/Community Health Centers)
- ▶ **Aaron Kissler** (Lake/Public Health)
- ▶ **Clint Mecham** (Volusia/Emergency Management)
- ▶ **Dr. Erin Mullen** (Regional/Pharmacy)
- ▶ **Dr. Peter Pappas** (Regional/ Trauma Clinical Champion)
- ▶ **Kenneth Peach** (Regional/ Business)
- ▶ **Christina Proulx** (Martin, St. Lucie/Hospitals)
- ▶ **Chief William (Aaron) Rhodes** (Orange/EMS)
- ▶ **Brittney Tyler** (Orange/ Nursing Homes)
- ▶ **Wayne Smith** (Regional/ Dialysis)
- ▶ **Dr. Sara Zydowicz** (Orange, Osceola/Medical Examiner)

Conference Recognition

- ▶ Recognition of Conference Planning Team
- ▶ Recognition of Sponsors:
 - Hotzone USA
 - Florida Healthcare Association
 - Aeroclave
 - Launch! Consulting
- ▶ Recognition of Speakers



Region 5 Threat Assessment

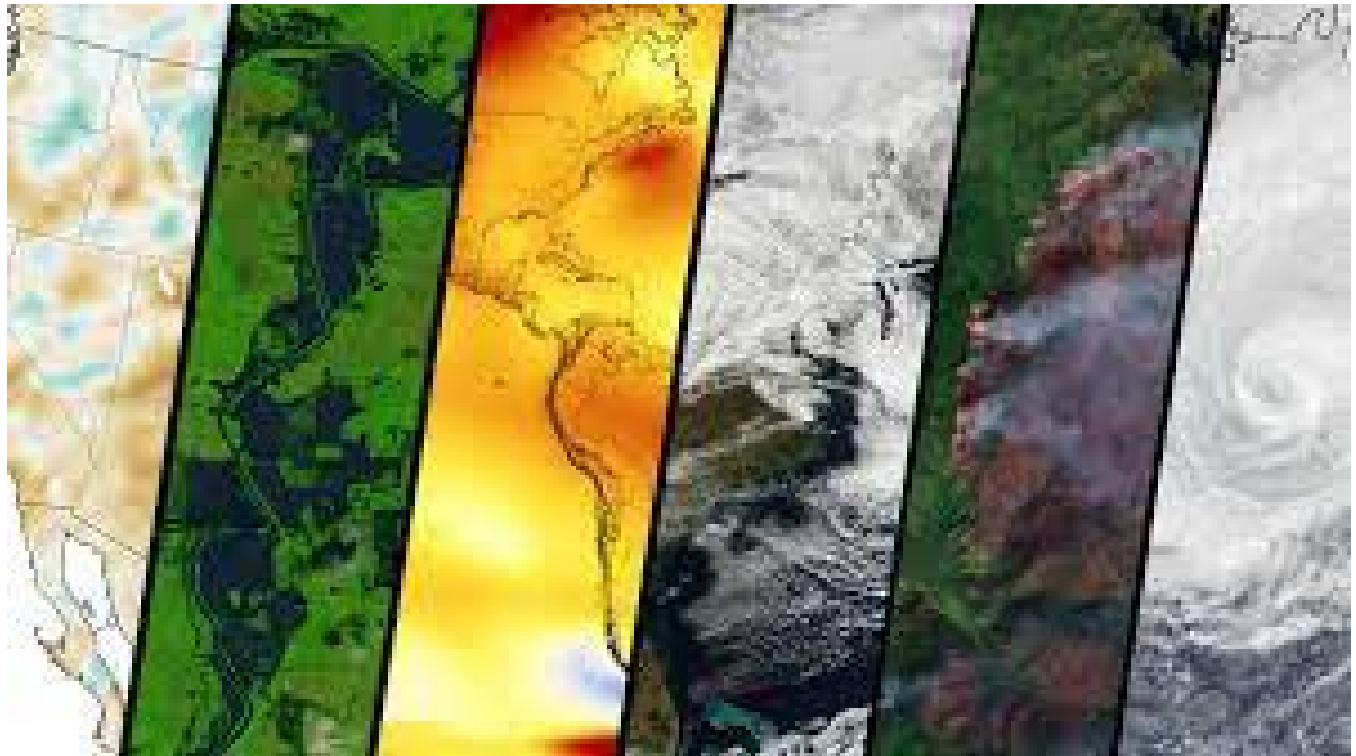
- ▶ Brittany DiCaprio & Kayli Torres, FBI



Extreme Weather

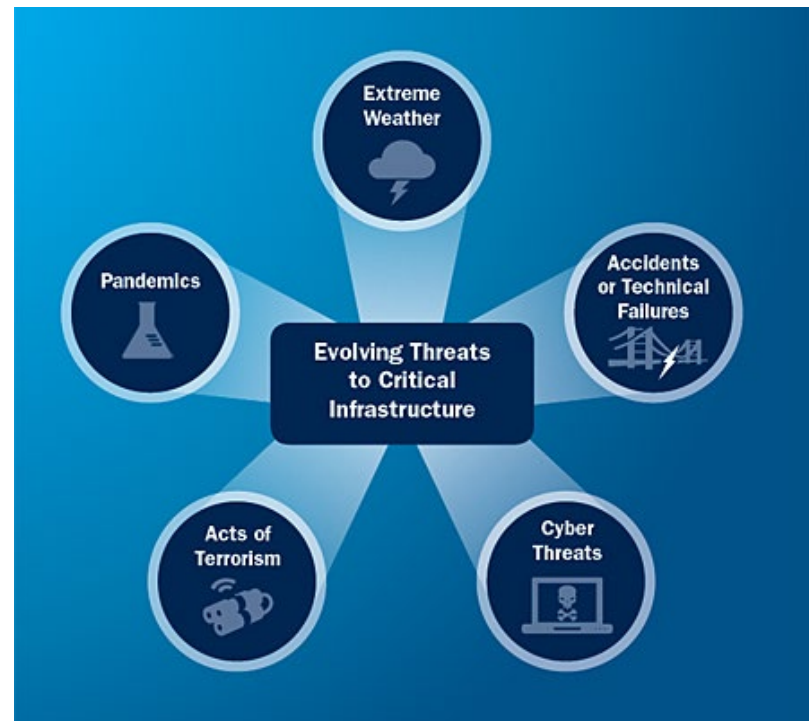
Will Ulrich

Warning Coordination Meteorologist
National Weather Service
Melbourne, FL Forecast Office



Life in the Extremes

- ▶ Extreme Heat– Steven Lerner
- ▶ Extreme Threats – Michelle Rud
- ▶ Extreme Violence – Eric Alberts
- ▶ Q&A



Break (back at 11:30 am)

- ▶ 1st Door Prize Drawing – \$50
Must be present (in person or virtually) to win!



The Psychology of Leading Through Extreme Change

C. Dwight Bain



Lunch

- ▶ 2nd Door Prize Drawing – \$100
Must be present (in person or virtually) to win!
- ▶ Self-serve outside auditorium
- ▶ Back at 1:30 pm



Medical Response to Terrorist Attacks and MCIs

“The Israeli Experience”

Guy Caspi

Chief MCI (Multi-Casualty Incident) Instructor and Director of HAZ-MAT Exercises and Operational Training, Magen David Adom



CLOSING SESSION

2023 Member of the Year Award

Winner: Michelle Rud



2023 Leader of the Year Award

Winner: Alan Harris



Recognizing Jim Judge

Director
Department of Emergency Services
County of Volusia

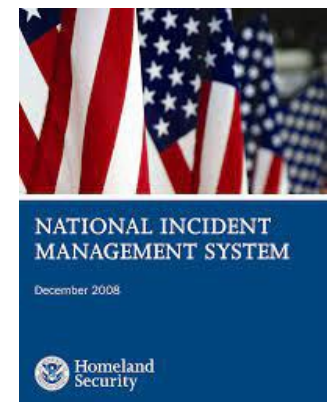


Recognition of our Host Valencia School of Public Safety



FEMA NIMS Training

- ▶ The **National Incident Management System (NIMS)** guides all levels of government, nongovernmental organizations and the private sector to work together to prevent, protect against, mitigate, respond to and recover from incidents
- ▶ NIMS provides stakeholders across the whole community with the shared vocabulary, systems and processes to successfully deliver the capabilities described in the National Preparedness System. NIMS defines operational systems that guide how personnel work together during incidents
- ▶ See www.centralfladisaster.org (under Members, Training)



Final Door Prize Drawing & Announcements





Life in the Extremes

SOS Brittany DiCaprio and SOS Kayli Torres

*Federal Bureau of Investigation | Tampa Division |
Orlando Resident Agency*

UNCLASSIFIED



Threats to Emergency Services Sector



- **Notable trends and emerging issues in the ESS**
 - Cyber and Communications Infrastructure Attacks or Disruptions
 - Emerging and disruptive technologies
 - Natural Disasters and Extreme Weather
 - Violent extremist and terrorist attacks
 - Chemical, biological, radiological, and nuclear incidents





Threats to Healthcare and Public Health



- Respond to hazards including terrorist incidents, natural disasters, and hazardous drugs and chemical materials
- Provide opportunities for targeting and exploitation of vulnerabilities from various threat vectors – e.g., legacy devices (outdated medical equipment), multiple fraud scheme types, criminal and insider threats



Violent Extremism



Violent extremism is defined as:

- *“Encouraging, condoning, justifying, or supporting the commission of a violent or criminal act to achieve political, ideological, religious, social, or economic goals”.*

*Attribution: IACP CVE Working Group
A Common Lexicon*



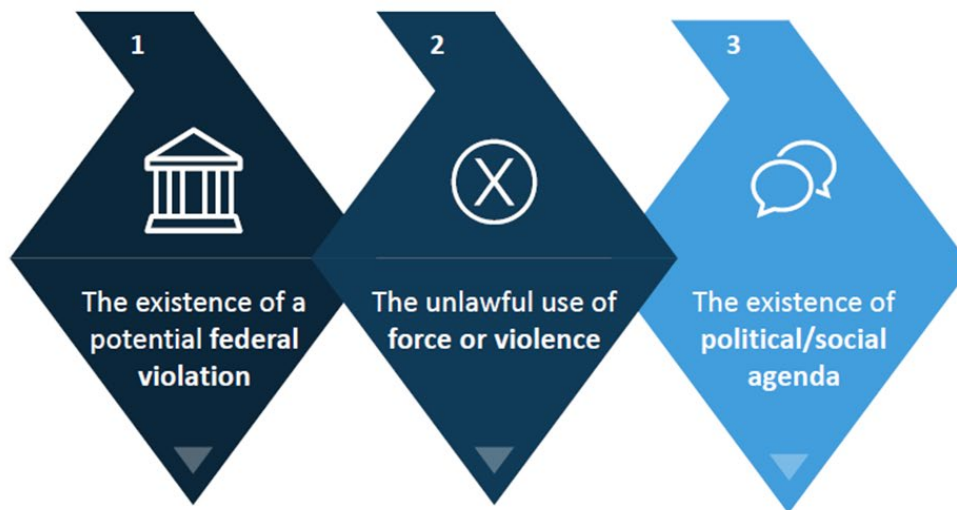
Domestic Violent Extremism



(U) The mere **advocacy** of political or social positions, political activism, use of strong rhetoric, or generalized philosophic embrace of violent tactics **may not** constitute extremism, and may be constitutionally protected

HATE IS NOT A CRIME...

The FBI **cannot** investigate First Amendment protected speech. Our authority to investigate Domestic Terrorism requires the following:





DT Threat Definitions



*Racially or
Ethnically
Motivated
Violent
Extremism*

RMVE

Display threat of force or violence, in violation of federal law, **derived from bias, often related to race, held by the actor against others**, including a given population or group.

*Anti-
Government
/Anti-
Authority
Violent
Extremism*

AGAAVE

Display threat of force or violence, in violation of federal law, derived from **anarchist violent extremism, militia violent extremism, or sovereign citizen violent extremism** ideology.

*Animal Rights/
Environmental
Violent
Extremism*

AR/ECO

Believe criminal actions are necessary and justified to end perceived cruelty, harm, or exploitation of animals, and/or the perceived exploitation or destruction of **natural resources and the environment**.

*Abortion
Related Violent
Extremism*

ARVE

Engage in violent criminal activity to further their **pro-life or pro-choice ideology**. Pro-life violent extremists often target reproductive healthcare facilities.

*All Other
Domestic
Terrorism
Threats*

ALL OTHER DT

Threats which are not otherwise defined under a single DVE threat. Individuals radicalize to violence based on **personalized ideologies that are difficult to classify into other categories**. Unique mixture of beliefs from different DVE threats, which result in violent dedication to a cause.



Current DT Threat Landscape



- **Anti-Government/Anti-Authority Violent Extremism**

- Capitol conspiracies (Proud Boys, Oath Keepers)
- Sovereign Citizens



- **Racially Motivated Violent Extremism**

- Decentralization
- “Lone Wolf Actions”
- Online Threats
- Violent Online Gore Groups/Extortion
- Increasing Anti- Semitism





Inspiration



(U//FOUO) US Based Sympathizers continue to be inspired by a mix of **ideological, sociopolitical, and personal grievances.**

Open Source Jihad

o·pen | 'ōpən| source |sōrs| ji·had |ji' hād|

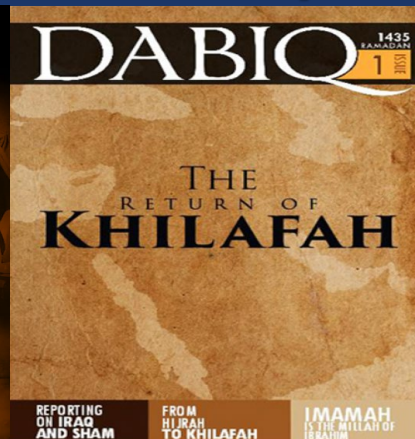
A resource manual for those who loathe the tyrants; includes bomb making techniques, security measures, guerrilla tactics, weapons training and all other jihād related activities.

● informal A disaster for the repressive imperialistic nations: *The open source jihād is America's worst nightmare.*

● It allows Muslims to train at home instead of risking a dangerous travel abroad: *Look no further, the open source jihād is now at hands reach.*

FEATURE

the ultimate mowing machine
yahya brahim



Make a bomb in the kitchen of your Mom
The AQ Chef



Designated Foreign Terrorist Organizations (FTOs)



لا إله إلا الله



لا إله إلا الله محمد رسول الله


لا إله إلا الله محمد رسول الله



Organizations that advocate violence or conduct violent activities against U.S. interests domestically and abroad.

لا إله إلا الله محمد رسول الله



لا إله إلا الله

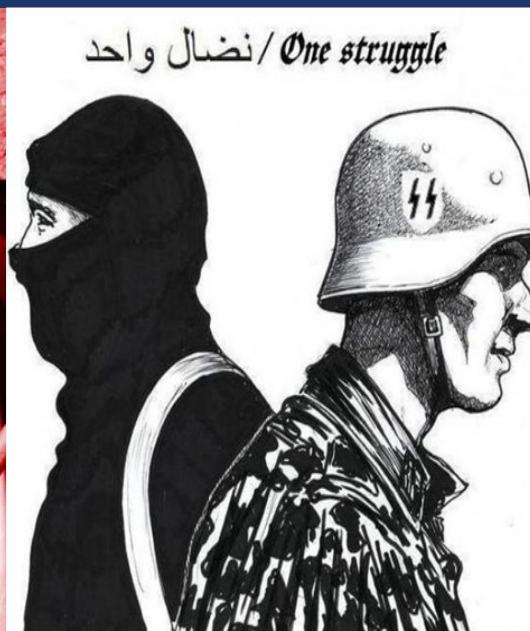




Ideological Fluidity



(U//FOUO) Individuals who...**switch between** international and domestic extremist ideologies, or **selectively choose aspects** of multiple conflicting ideologies.



(U) AN IMAGE FROM THE ATOMWAFFEN DIVISION (AWD) WEBSITE

(U) LEFT: FEUERKRIEG DIVISION (FKD) PROPAGANDA; RIGHT: ISIS VIDEO



Role of Bystanders



- A Bystander may be a family member, peer, authority figure, educator or a stranger.
- A 2008 USSS study on school attacks concluded:
 - 93% of attackers exhibited concerning behaviors prior to an attack
 - 81% of attacks were known by other individuals
 - 93% of other individuals were **peers**
 - A 2014 NCTC/FBI study on HVEs concluded:
 - 84% of terrorist's plans/act were known by other individuals
 - Over half of the other individuals downplayed the information and did nothing
 - **Acts of Targeted Violence are Preventable !!**



When to Report Violent Extremism



- Spending a lot of time reading violent extremist information online, including in chat rooms and password protected websites.
- Using several different cell phones and private messaging apps;
- Talking about traveling to places that sound suspicious;
- Researching or training with weapons or explosives;
- Studying or taking pictures of potential targets (like a government building);
- Using code words or unusual language;
- Looking for ways to disrupt computers or other technology;
- Staying away from friends or family while becoming very interested in violent extremist beliefs and propaganda; and/or
- Posting comments encourages violence on social media sites or online forums.



Questions?

UNCLASSIFIED

Central Florida Extreme Weather

Jessie Smith

Observation Program Leader & Meteorologist

National Weather Service – Melbourne, FL

jessica.r.smith@noaa.gov





- National Weather Service Overview
- East Central Florida Weather Hazards
 - Lightning
 - Heat
 - Tornadoes
- El Nino Implications This Winter
- Weather Resources & Safety Tips

National Weather Service

An Overview



WEATHER FORECAST OFFICE

Melbourne Florida



Weather Forecast Offices

...a total of **122** across the country.

...each staffed with **20-25** employees.

...operates **24** hours a day, **7** days a week.

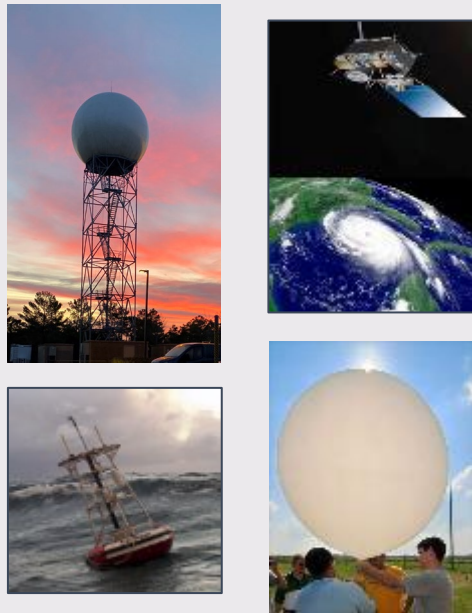




What Do We Do?

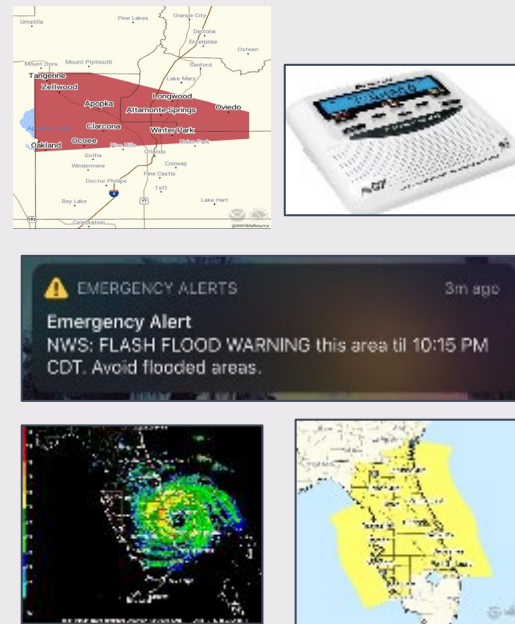
Observe & Collect

Near-surface, atmospheric, and oceanic data



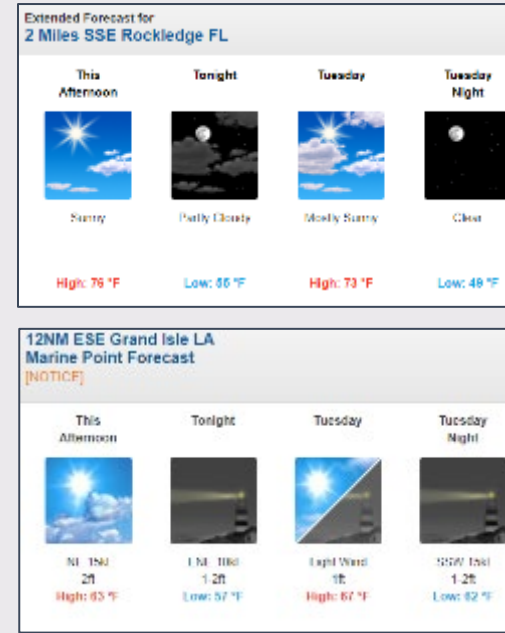
Issue Watches & Warnings

Tropical, severe, flood, fire, winter, marine, heat, cold, fog



Issue Forecasts

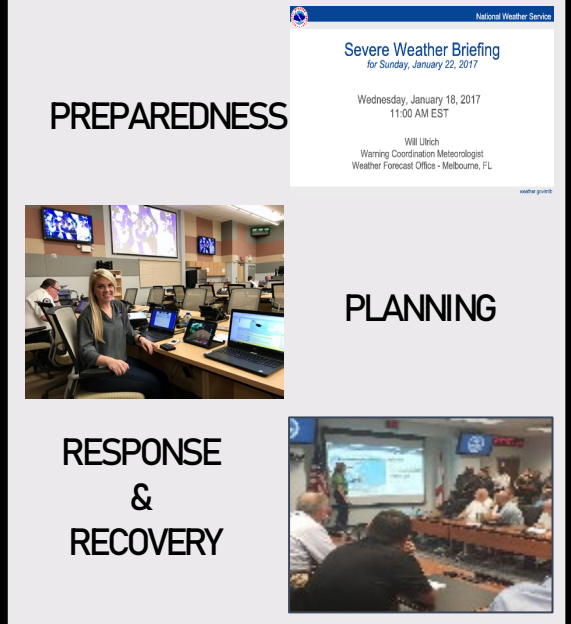
7-day, marine, aviation, fire weather, decision support



Provide IDSS

Impact-Based Decision Support Services

Customer-centric support through all phases of an event



Weather Hazards

An Overview

Lightning

Severe Thunderstorms

Tornadoes

Waterspouts

Tropical Storms & Hurricanes

Floods

Wildfires / Heat / Cold

Ocean Rip Currents



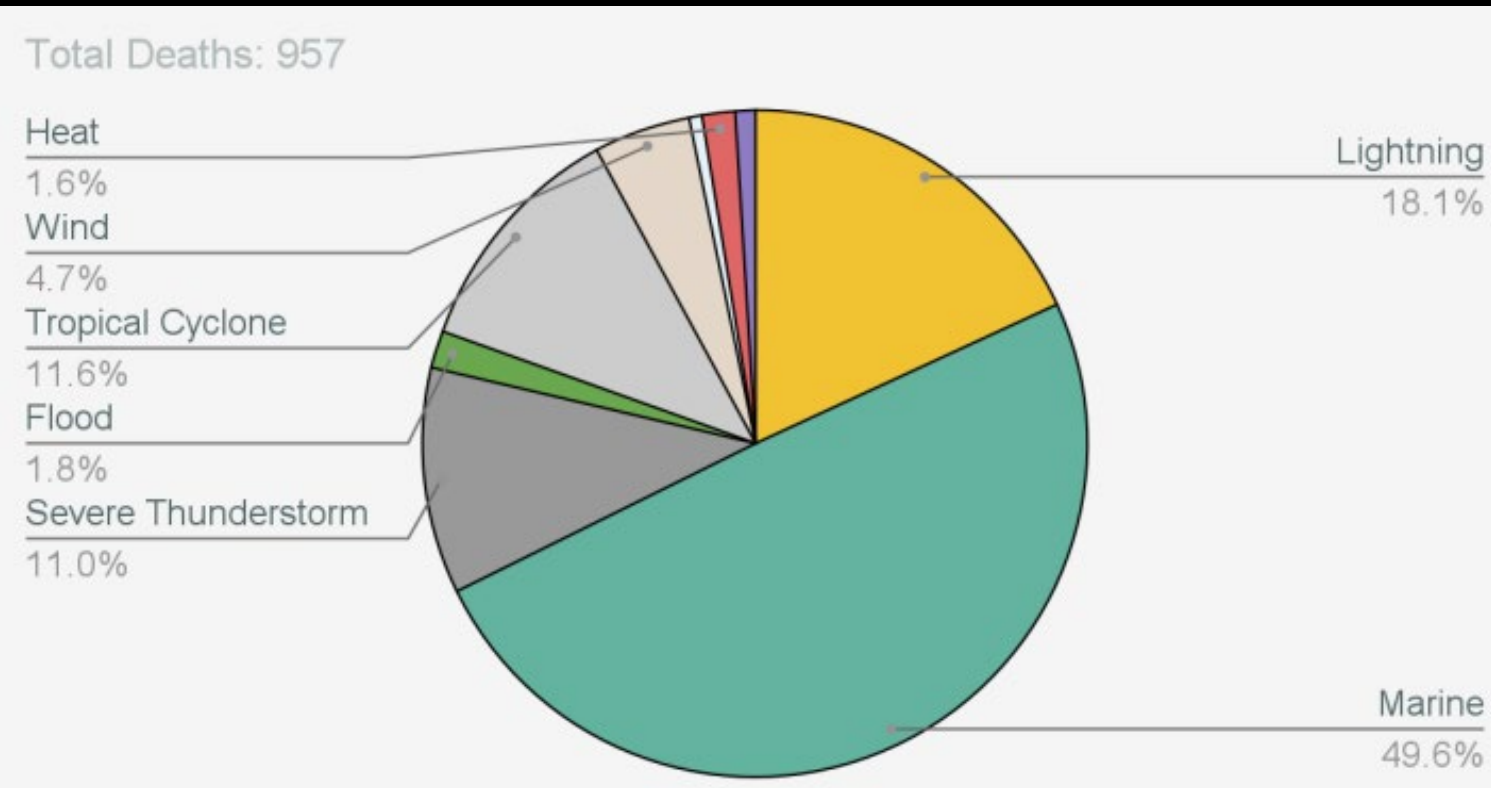
WEATHER FORECAST OFFICE

— Melbourne 🌴 Florida —





Florida Weather Related Fatalities (1992 – 2021)



Data Source: National Weather Service
Research Conducted by Lake Nona High School

Weather Hazards

Lightning Frequency (2022)



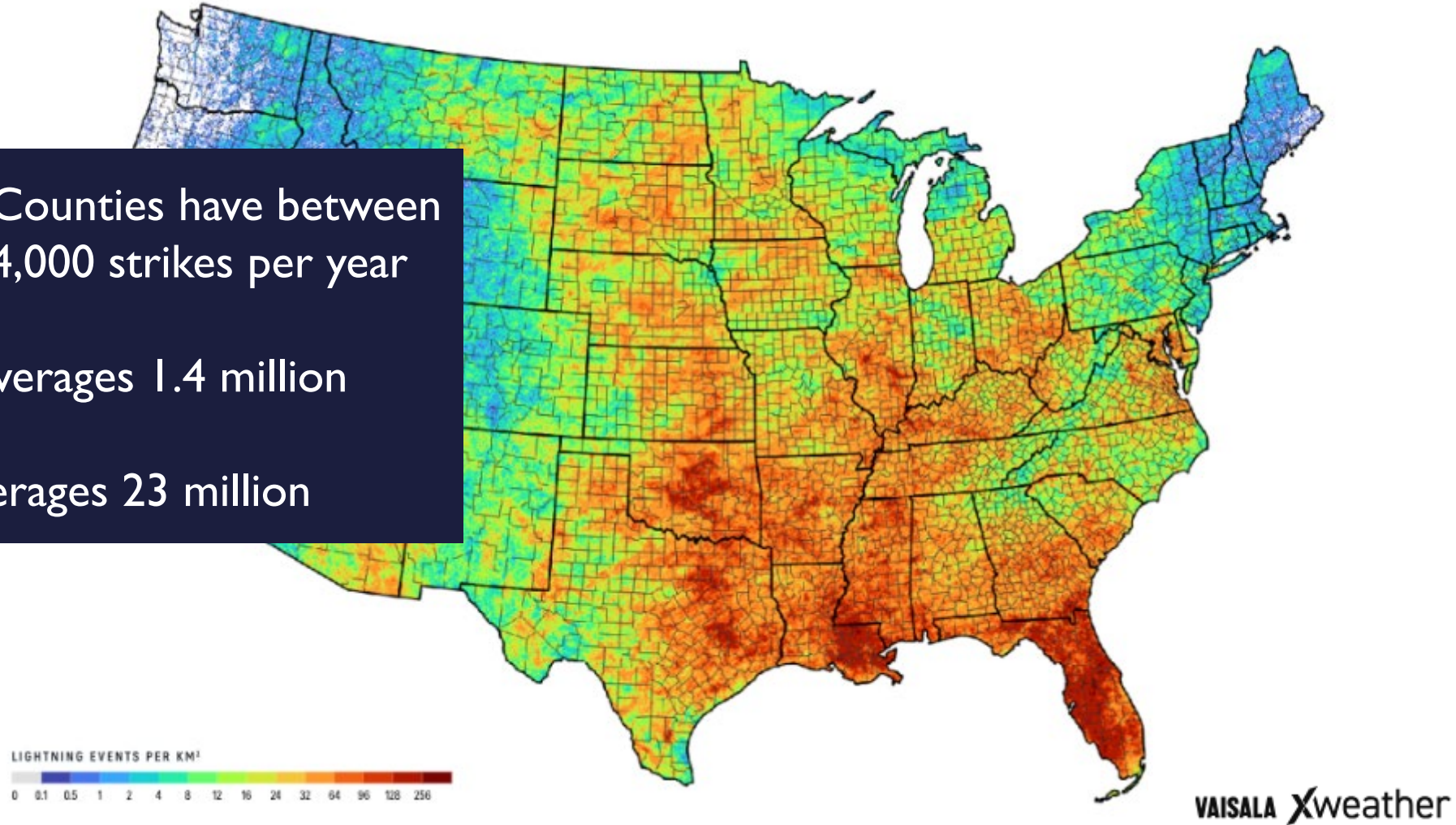
WEATHER FORECAST OFFICE

Melbourne  Florida

Most Florida Counties have between
10,000 to 44,000 strikes per year

Florida averages 1.4 million

U.S. averages 23 million



VAISALA 

Lightning

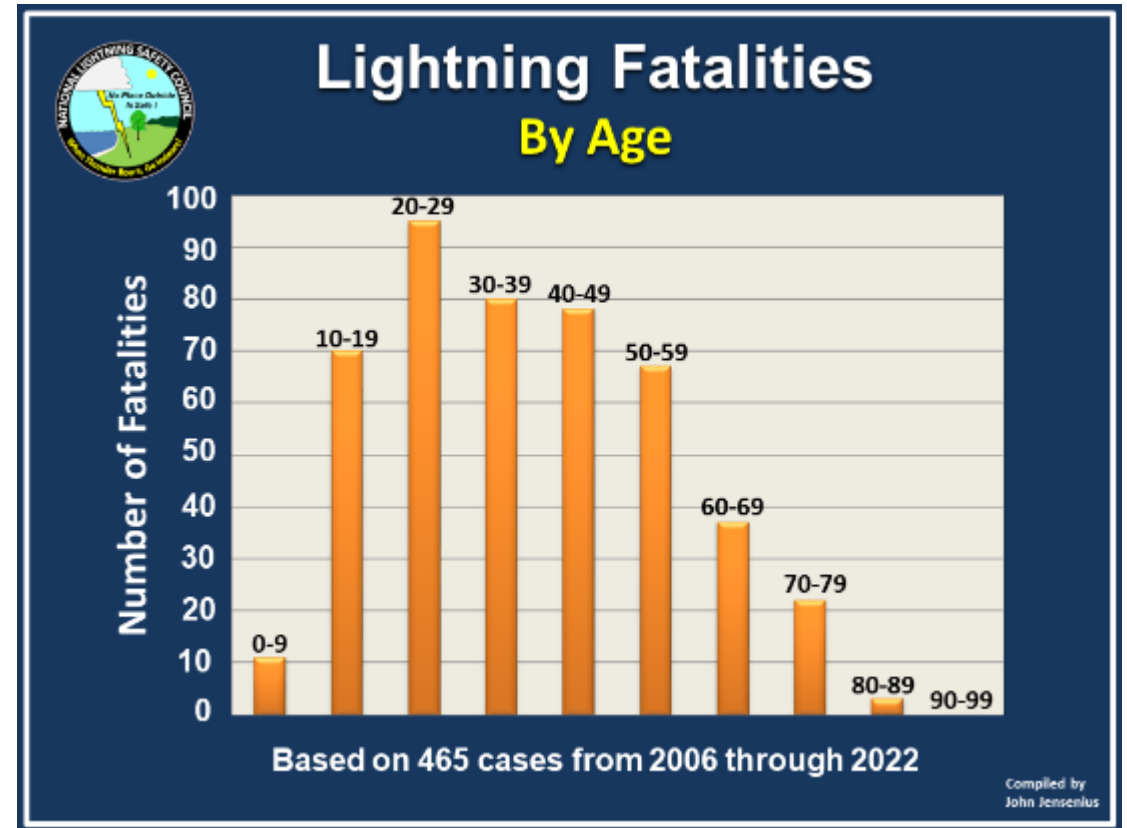
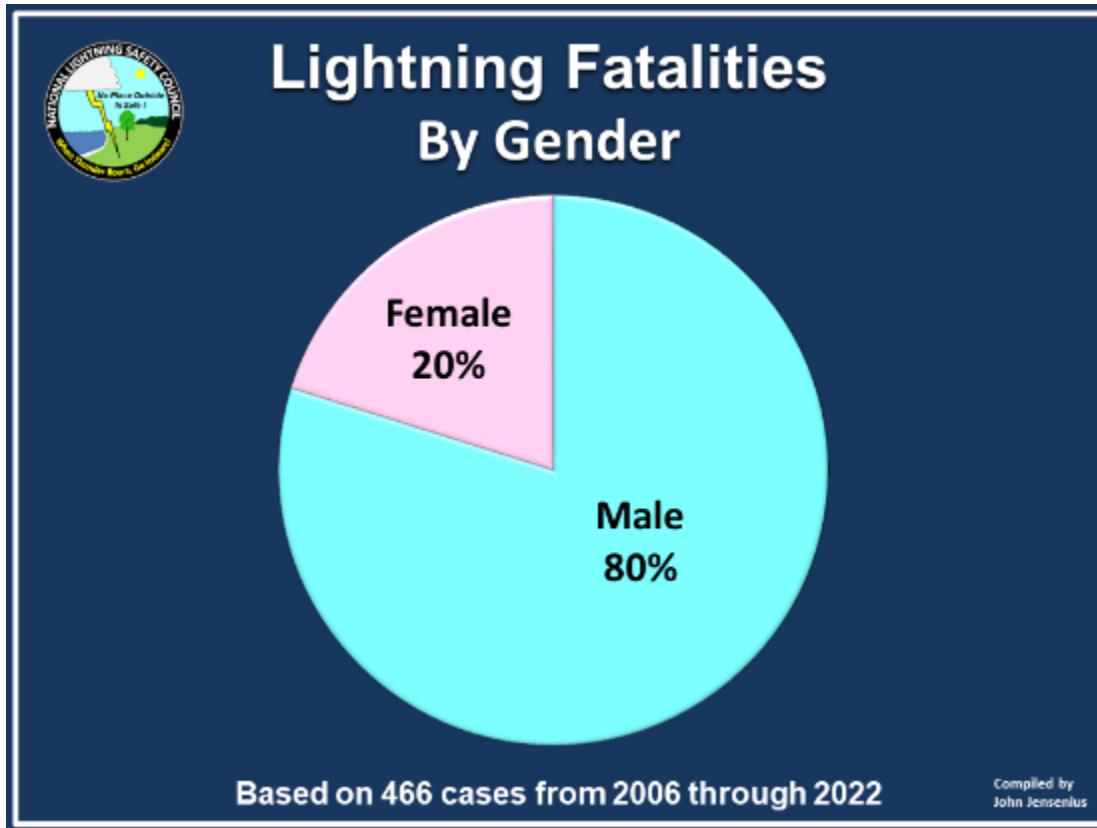
Not a factor in Severe Thunderstorm Warnings!

Every cloud-to-ground lightning strike is potentially fatal!



Casualties Relative to Time Of Peak Flash





Weather Hazards

Heat Safety – 2023 Temperatures



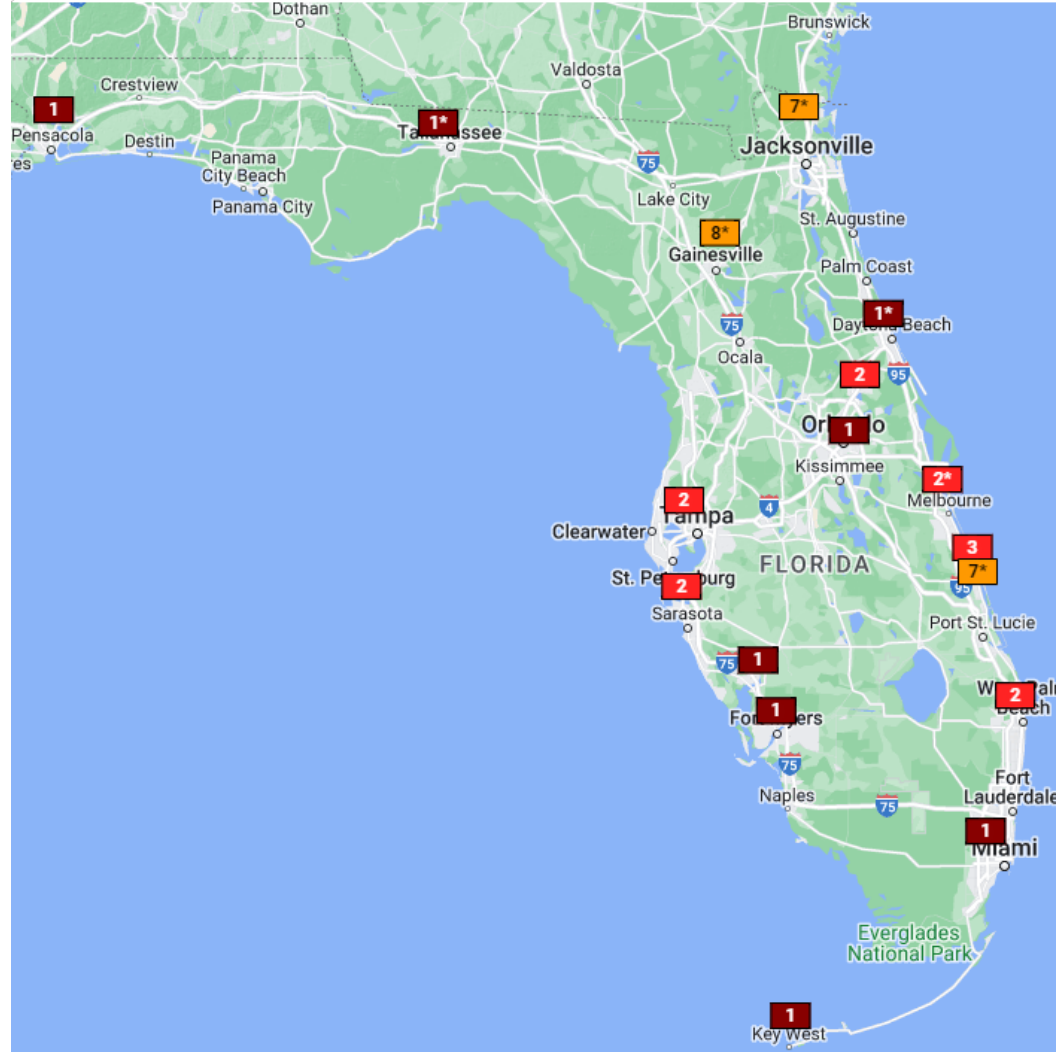
WEATHER FORECAST OFFICE

Melbourne Florida

Many Parts Of Florida
Currently Rank as Warmest
Year On Record
(as of Dec 12)

*Including:
Daytona Beach
Orlando
Miami
Tallahassee*

Observed Average Mean Temperature for Jan 1 2023 to
Dec 11 2023 (61 stations)



Legend Rank	
Dark Red	Highest
Red	2nd-5th
Orange	6th-10th
White	-
Blue	10th-6th
Pink	5th-2nd
Purple	Lowest

Learn more about how Climate Perspectives works [Click here](#)

For any problems, comments or suggestions, please [drop us a note](#)

Powered by ACIS
NOAA Regional Climate Centers



Weather Hazards

Heat Safety – It's Getting Hotter



WEATHER FORECAST OFFICE

Melbourne  Florida

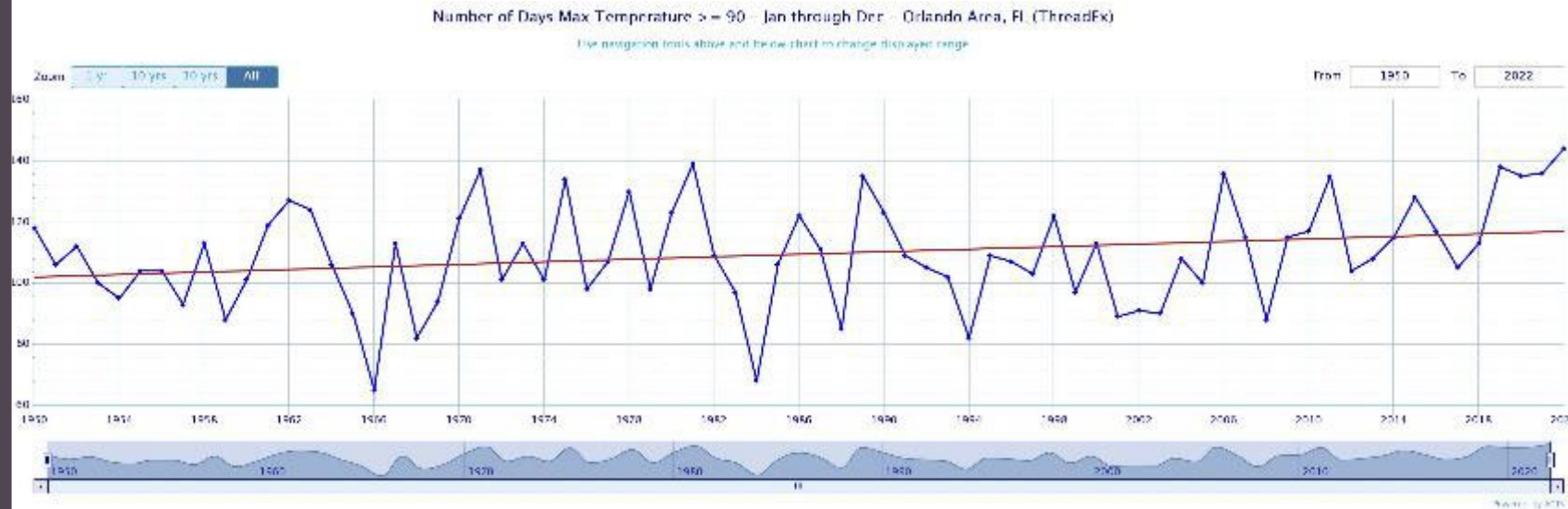
Annual Number Of 90° Days At Orlando

Least: 65 in 1966
Most: 144 in 2022

**Long Term Average/Trend:
MORE HEAT!**

1950-1980: 102 Days / Year

1993-2022: 112 Days / Year





The “Heat Index”

aka feels-like temperature
takes into account temp &
humidity

Heat Advisory

Heat Index of 108° to 112°

Excessive Heat Warning

Heat Index of 113°+

Heat Advisory

7/5 11AM - 7PM

Where

- **East Central Florida & Treasure Coast**
Includes: Greater Orlando, Daytona, Cocoa Beach, Port St Lucie

Forecast

- **High Temps:** 92° to 98°
- **Peak Heat Index:** 105° to 110°



Stay hydrated



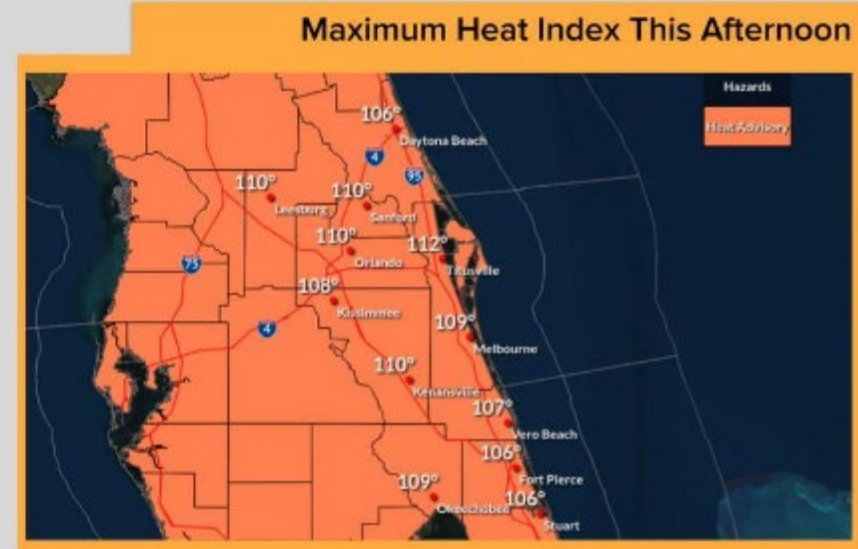
Limit strenuous time outdoors in the afternoon



If you have AC, use it. Fans may not be adequate



Wear light-weight, light-colored clothing



UV INDEX
12 Extreme Sunburn Risk



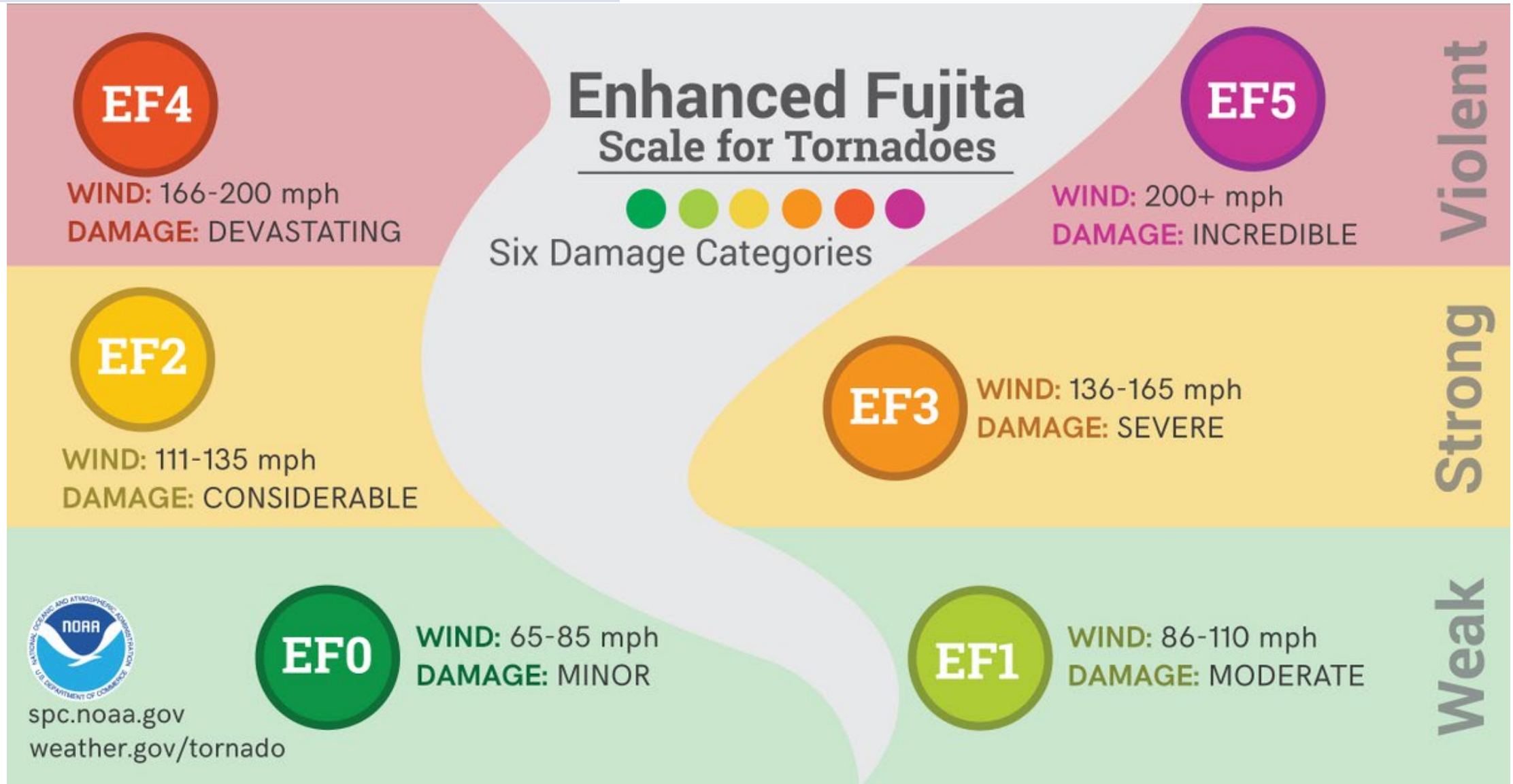
WEATHER FORECAST OFFICE

Melbourne  Florida

Updated: Wed., July 5, 2023



EF Scale



Weather Hazards



WEATHER FORECAST OFFICE

Melbourne Florida

Florida Tornado Statistics

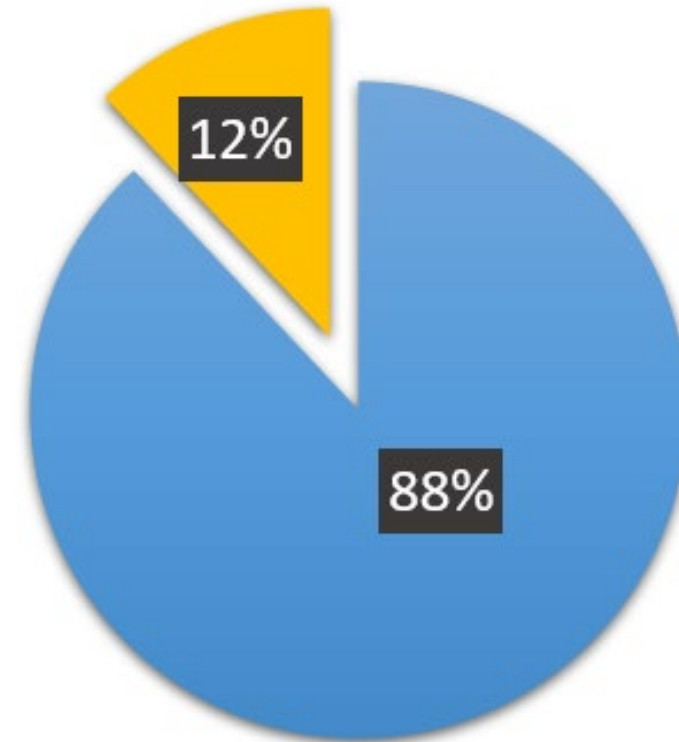


EF Rating	Wind Speeds
EF-0	65-85 mph
EF-1	86-110 mph
EF-2	111-135 mph
EF-3	136-165 mph
EF-4	166-200 mph
EF-5	> 200 mph

Tornado Intensity

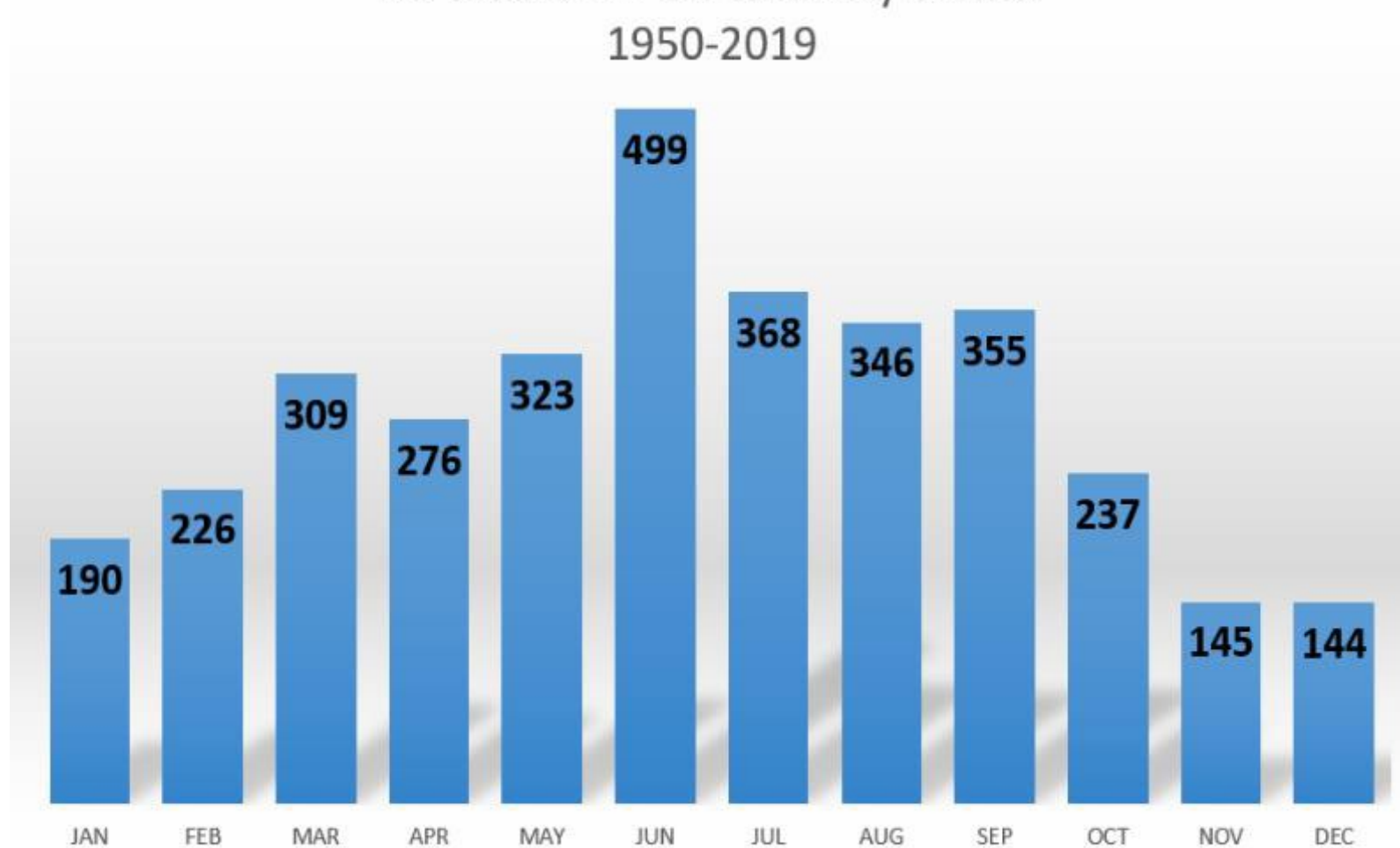
(1950 - 2019)

■ EF0-1 ■ EF2+



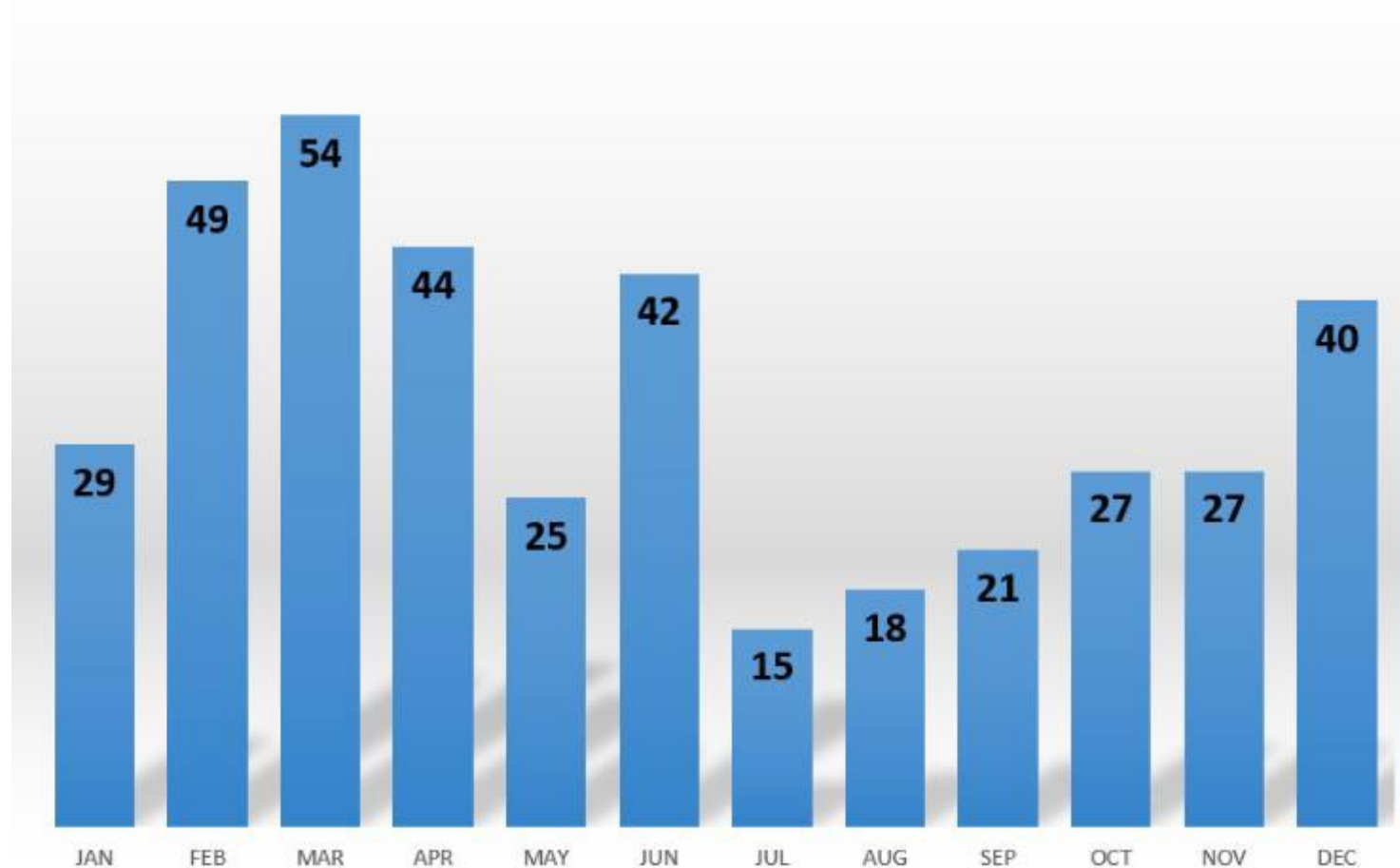


All Tornadoes in Florida by Month
1950-2019





Strong Tornadoes (EF2+) in Florida by Month
1950-2019



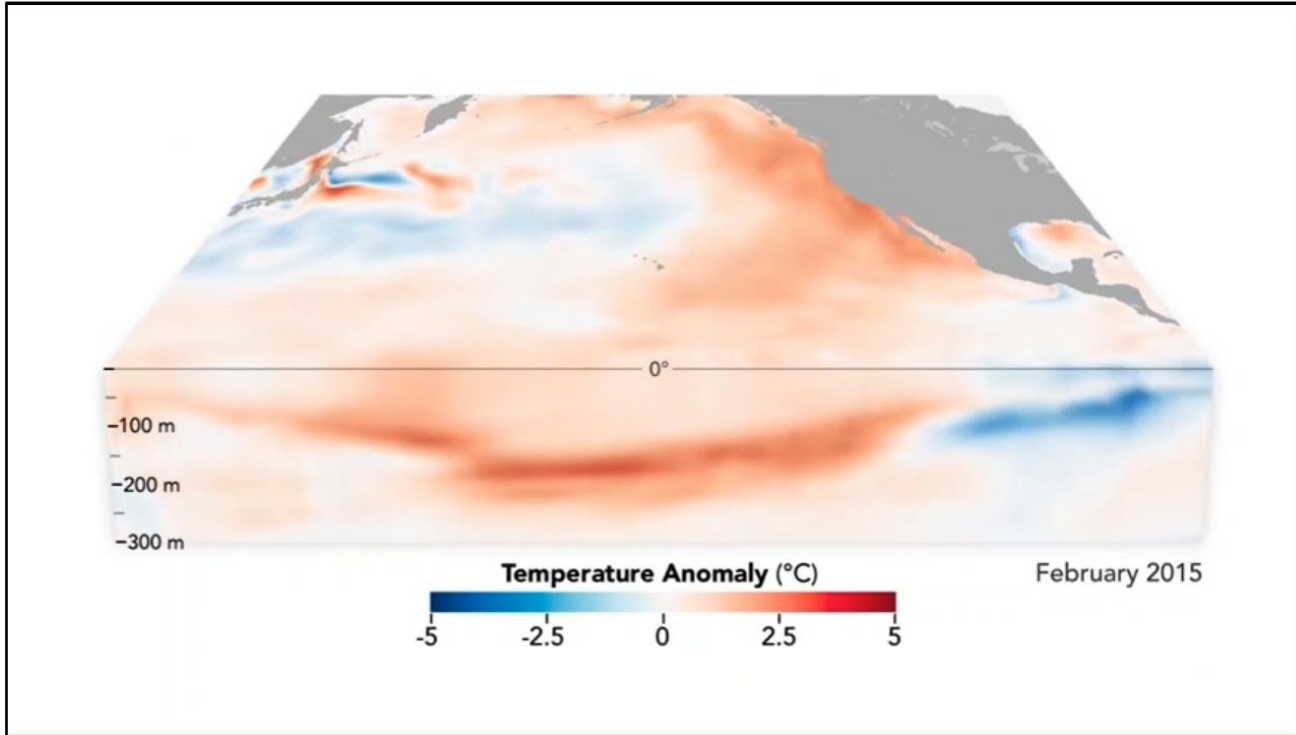
El Niño Southern Oscillation

Definition



WEATHER FORECAST OFFICE

Melbourne  Florida



- Irregular, naturally occurring **oceanic and atmospheric cycle** linked to periodic (every 2 – 7 years) of warming or cooling water temperatures across the equatorial Pacific
- Highly dependent on the coupling between the ocean and atmosphere over the tropical Pacific Ocean

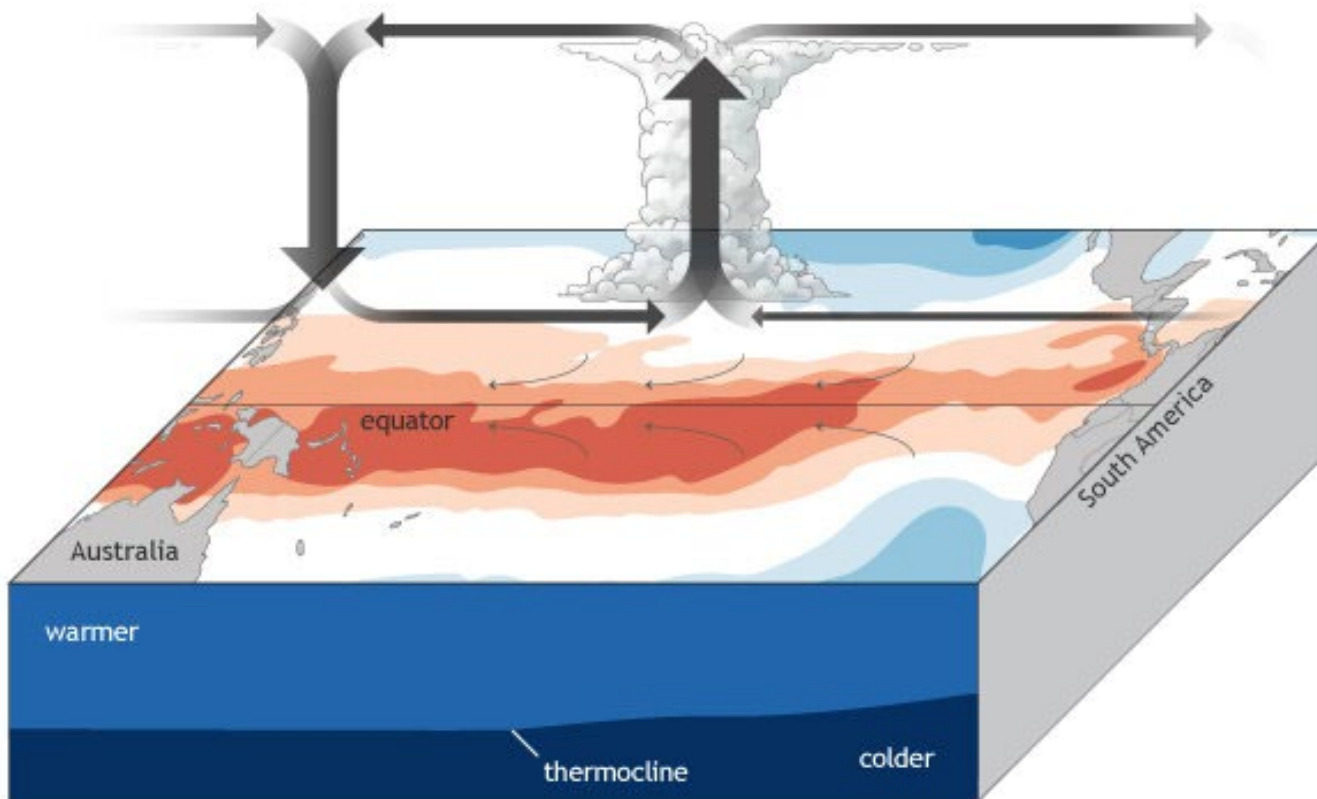
ENSO State

El Niño



WEATHER FORECAST OFFICE

Melbourne  Florida



NOAA Climate.gov

- If trade winds over the Pacific weaken, warmer waters begin to *slosh* east
- Deeper tropical convection will typically follow the warm water, resulting in the Walker Circulation becoming displaced toward the central Pacific
- Like La Niña, each El Niño episode has a unique footprint in the Pacific Ocean

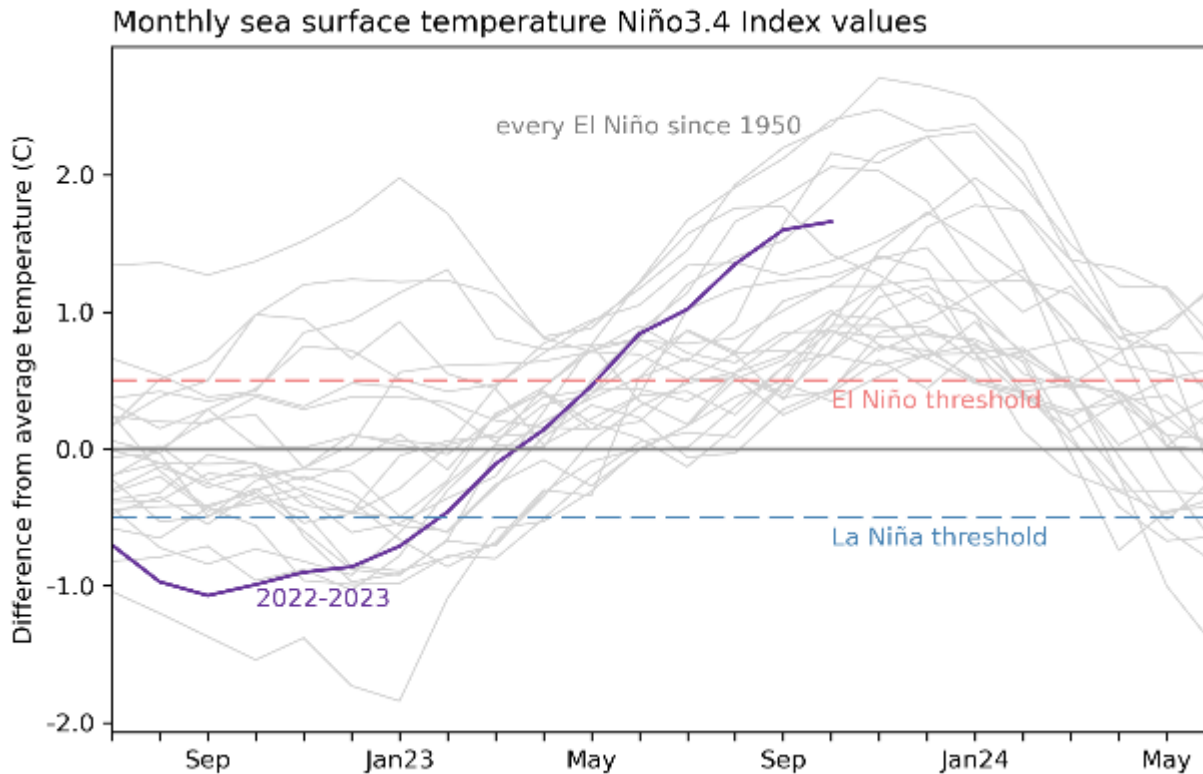
Atmospheric Response

El Niño Events



WEATHER FORECAST OFFICE

Melbourne  Florida



- While both El Niño and La Niña events tend to peak in the winter, their evolution and strength often varies
- Generally speaking: the stronger an ENSO event, the greater the atmospheric response



Past strong El-Niño events have been associated with:

- **Well above-normal seasonal storminess** between November and April (peaking February and March)
- An enhanced risk of severe weather, bringing **increased chances for strong-to-violent tornadoes**
- Much wetter than normal conditions with increased chances for **episodes of heavy rain and river flooding**



Local Impacts

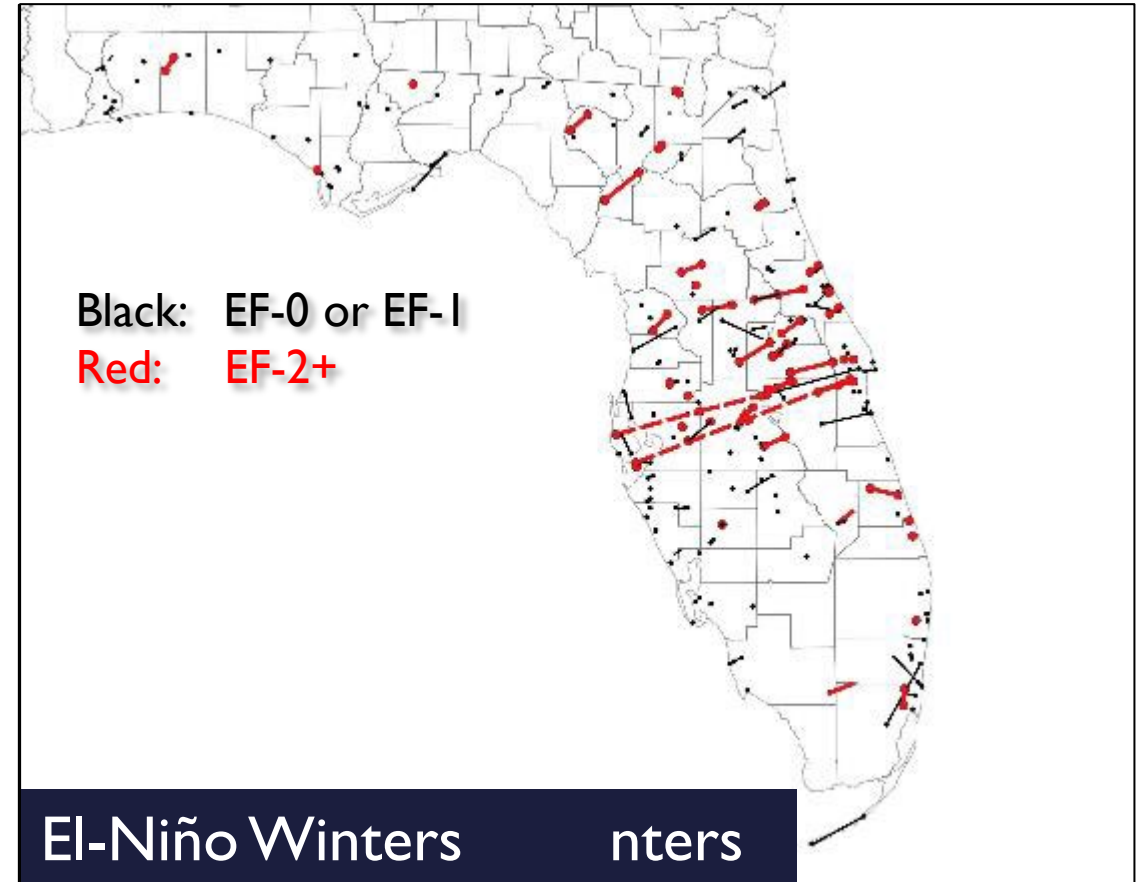
El Niño Events



WEATHER FORECAST OFFICE

Melbourne Florida

- During El-Niño winters, there are **more opportunities for instability, moisture, and wind shear to come together** to create a favorable environment for thunderstorms
- **Small-scale conditions must be favorable** for an outbreak of severe thunderstorms and tornadoes to occur



"El-Niño doesn't cause violent tornadoes in Florida – it sets the stage!"



Top 10 Tornado Events within the NWS Melbourne CWA

Rank	Date	County	Scale	Fatalities	Injuries
1	April 4, 1966	Osceola	F4	0	0
2	February 23, 1998	Osceola	F3	25	145
3	February 2, 2007	Lake	EF3	13	9
4	February 23, 1998	Seminole	F3	12	36
5	February 2, 2007	Lake	EF3	8	10
6	February 22, 1998	Orange	F3	3	70
7	September 18, 1954	St. Lucie	F3	2	2
8	February 23, 1998	Volusia	F3	1	0
9	February 2, 2007	Volusia	EF3	0	42
10	November 2, 1997	Volusia	F3	0	32

The February 1998 and 2007 significant tornadoes events comprise 7 of the Top 10 Tornadoes across East central Florida since 1950, ranked by strength (F/EF scale) and number of fatalities and injuries.

Tollefsen, M. A., 2021: [East Central Florida Severe Weather Climatology 1950-2020](#). 32pp.

East Central Florida Tornadoes



WEATHER FORECAST OFFICE

— Melbourne  Florida —

Florida Tornado Outbreaks

Osceola/Orange/Seminole
Feb 23, 1998
3 F3: 158-206 mph
42 Fatalities



Lake County
Feb 2, 2007
2 EF3: 155-165 mph
21 Fatalities

February 2007 Event

Damage vs. 1998 Outbreak

Feb 1998 - Ponderosa RV Park – Osceola County (F3)



WEATHER FORECAST OFFICE

— Melbourne  Florida —

Feb 2007 – Lake Mack – Volusia County (EF3)



Types of Warnings

Impact Based Tornado Warnings



WEATHER FORECAST OFFICE

Melbourne Florida

Base

719
 WFUS53 KDMX 122125
 TORDMX
 IAC017-023-122200-
 /O.NEW.KDMX.TO.W.0014.130612T2125Z-130612T2200Z/
 BULLETIN - EAS ACTIVATION REQUESTED
 TORNADO WARNING
 NATIONAL WEATHER SERVICE DES MOINES IA
 425 PM CDT WED JUN 12 2013
 THE NATIONAL WEATHER SERVICE IN DES MOINES HAS ISSUED
 * TORNADO WARNING FOR...
 SOUTHWESTERN BREMER COUNTY IN NORTHEAST IOWA...
 CENTRAL BUTLER COUNTY IN NORTH CENTRAL IOWA...
 * UNTIL 500 PM CDT
 * AT 422 PM CDT...A SEVERE THUNDERSTORM CAPABLE OF PRO
 TORNADO WAS LOCATED NEAR ALLISON...AND MOVING EAST A
 HAZARD...TORNADO AND QUARTER SIZE HAIL.
 SOURCE...RADAR INDICATED ROTATION.
 IMPACT...FLYING DEBRIS WILL BE DANGEROUS TO THOSE CA
 WITHOUT SHELTER. MOBILE HOMES WILL BE DAMAG
 DESTROYED. DAMAGE TO ROOFS...WINDOWS AND VE
 WILL OCCUR. TREE DAMAGE IS LIKELY.
 * LOCATIONS IMPACTED INCLUDE...
 CLARKSVILLE...SHELL ROCK...WAVERLY AND PLAINFIELD.
 PRECAUTIONARY/PREPAREDNESS ACTIONS...
 TAKE COVER NOW. MOVE TO AN INTERIOR ROOM ON THE LOWEST FLOOR OF
 A STURDY BUILDING. AVOID WINDOWS. IF IN A MOBILE HOME...A VEHICLE
 OR OUTDOORS...MOVE TO THE CLOSEST SUBSTANTIAL SHELTER AND PROTECT
 YOURSELF FROM FLYING DEBRIS.
 &&
 LAT...LON 4284 9240 4264 9250 4265 9255 4275 9288
 4289 9282
 TIME...MOT...LOC 2125Z 280DEG 17KT 4279 9278
 TORNADO...RADAR INDICATED
 HAIL...1.00IN
 \$\$

Considerable

602
 WFUS53 KDLH 292357
 TORDLH
 MNC001-021-300030-
 /O.NEW.KDLH.TO.W.0011.130829T2357Z-130830T0030Z/
 BULLETIN - EAS ACTIVATION REQUESTED
 TORNADO WARNING
 NATIONAL WEATHER SERVICE DULUTH MN
 657 PM CDT THU AUG 29 2013
 THE NATIONAL WEATHER SERVICE IN DULUTH MN HAS ISSUED A
 HAZARD...DAMAGING TORNADO.
 SOURCE...EMERGENCY MANAGEMENT CONFIRMED TORNADO.
 IMPACT...YOU ARE IN A LIFE THREATENING SITUATION. FLYING
 DEBRIS MAY BE DEADLY TO THOSE CAUGHT WITHOUT SHELTER.
 MOBILE HOMES WILL BE DESTROYED. CONSIDERABLE DAMAGE
 TO HOMES...BUSINESSES AND VEHICLES IS LIKELY AND
 COMPLETE DESTRUCTION IS POSSIBLE.
 * THE TORNADO WILL BE NEAR...
 QUILBY AROUND 730 PM CDT.
 CHEROKEE AROUND 745 PM CDT.
 AURELIA AROUND 750 PM CDT.
 PRECAUTIONARY/PREPAREDNESS ACTIONS...
 HEAVY RAINFALL MAY HIDE THIS TORNADO. DO NOT WAIT TO SEE OR HEAR
 THE TORNADO. TAKE COVER NOW.
 &&
 LAT...LON 4259 9585 4291 9565 4291 9550 4283 9538
 4269 9539 4256 9569 4256 9577
 TIME...MOT...LOC 0023Z 225DEG 27KT 4260 9567
 TORNADO...OBSERVED
 TORNADO DAMAGE THREAT...CATASTROPHIC
 HAIL...1.50IN
 \$\$

Catastrophic

903
 WFUS53 KFSD 050022
 TORFSD
 IAC035-050100-
 /O.NEW.KFSD.TO.W.0020.131005T0022Z-131005T0100Z/
 BULLETIN - EAS ACTIVATION REQUESTED
 TORNADO WARNING
 NATIONAL WEATHER SERVICE SIOUX FALLS SD
 722 PM CDT FRI OCT 4 2013
 ...TORNADO EMERGENCY FOR WASHTA...
 THE NATIONAL WEATHER SERVICE IN SIOUX FALLS HAS ISSUED A
 * TORNADO WARNING FOR...
 CHEROKEE COUNTY IN NORTHWEST IOWA...
 * UNTIL 800 PM CDT
 * AT 720 PM CDT...A LARGE AND EXTREMELY DANGEROUS TORNADO WAS
 LOCATED NEAR WASHTA...AND MOVING NORTHEAST AT 30 MPH.
 THIS IS A TORNADO EMERGENCY FOR WASHTA. TAKE COVER NOW. THIS
 IS A PARTICULARLY DANGEROUS SITUATION.
 THIS IS A PARTICULARLY DANGEROUS SITUATION.
 HAZARD...DAMAGING TORNADO.
 SOURCE...EMERGENCY MANAGEMENT CONFIRMED TORNADO.
 IMPACT...YOU ARE IN A LIFE THREATENING SITUATION. FLYING
 DEBRIS MAY BE DEADLY TO THOSE CAUGHT WITHOUT SHELTER.
 MOBILE HOMES WILL BE DESTROYED. CONSIDERABLE DAMAGE
 TO HOMES...BUSINESSES AND VEHICLES IS LIKELY AND
 COMPLETE DESTRUCTION IS POSSIBLE.
 * THE TORNADO WILL BE NEAR...
 QUILBY AROUND 730 PM CDT.
 CHEROKEE AROUND 745 PM CDT.
 AURELIA AROUND 750 PM CDT.
 PRECAUTIONARY/PREPAREDNESS ACTIONS...
 HEAVY RAINFALL MAY HIDE THIS TORNADO. DO NOT WAIT TO SEE OR HEAR
 THE TORNADO. TAKE COVER NOW.
 &&
 LAT...LON 4259 9585 4291 9565 4291 9550 4283 9538
 4269 9539 4256 9569 4256 9577
 TIME...MOT...LOC 0023Z 225DEG 27KT 4260 9567
 TORNADO...OBSERVED
 TORNADO DAMAGE THREAT...CATASTROPHIC
 HAIL...1.50IN
 \$\$

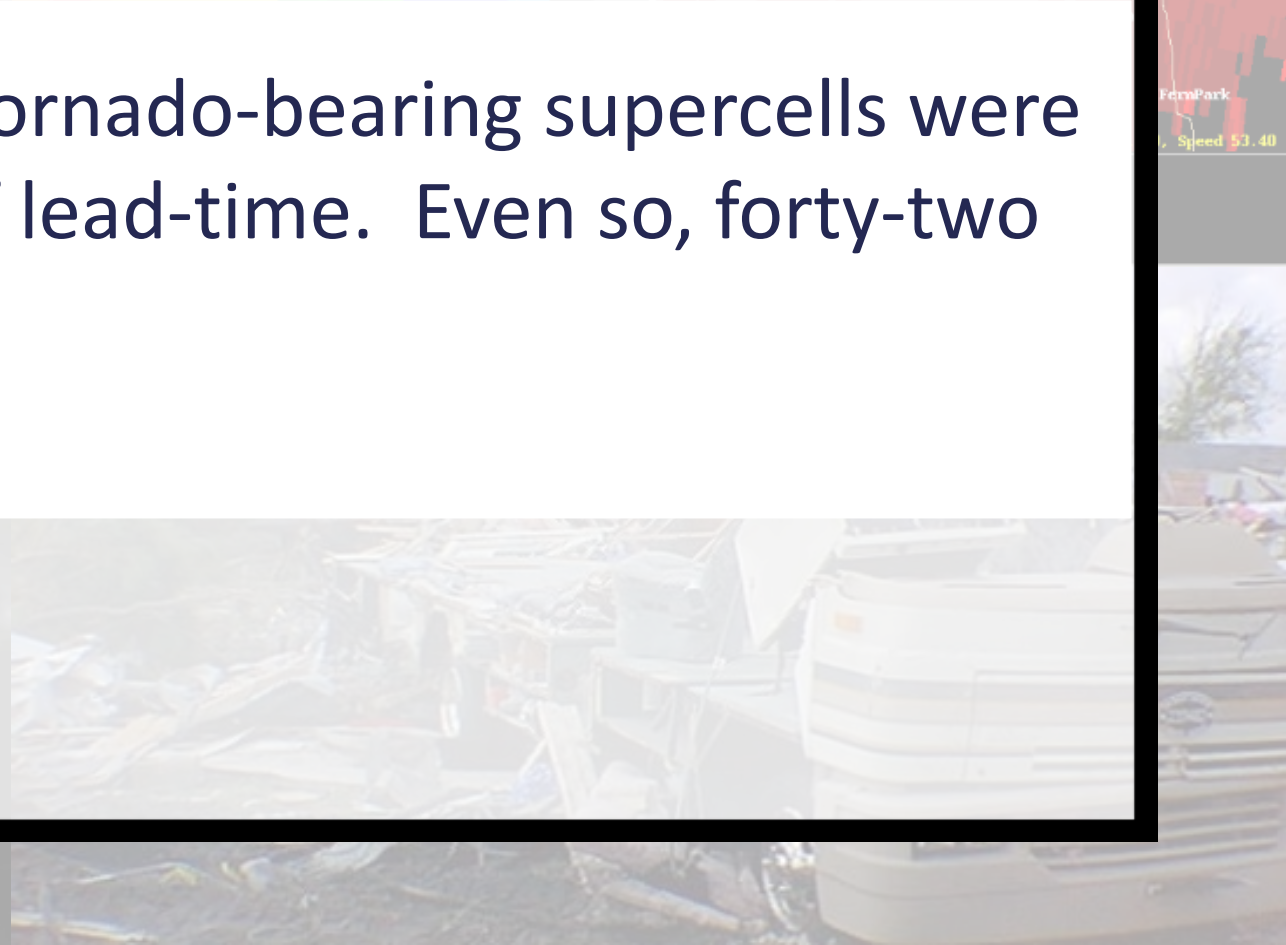
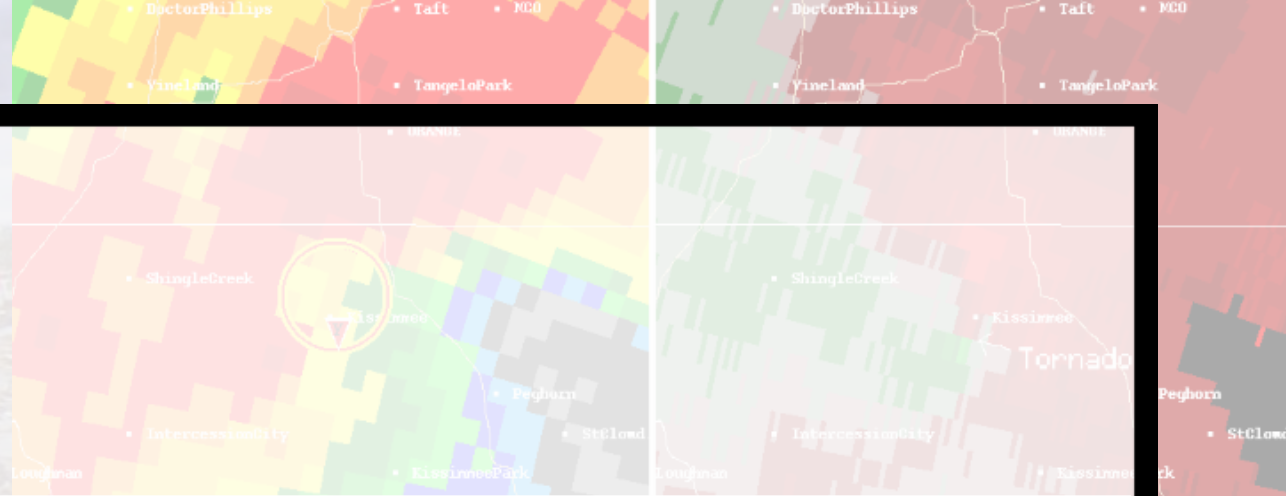
All Tornado Warnings activate the Wireless Emergency Alerts (WEA)

Consider:

On February 22-23, 1998, all tornado-bearing supercells were warned for, and with plenty of lead-time. Even so, forty-two people still lost their lives.

11:51:40PM

FEB 22 1998





Consider:

The same is true regarding the 2007 Groundhog's Day Tornadoes. And, yet, twenty-one people still died.

Consider:

- A need for improved science & technology ???
- A need for improved products & services ???
- A need for improved alerting & messaging ???

11:51:40PM

FEB 22 1998



START

<https://www.weather.gov>



END

<https://www.weather.gov/MLB>

Weather Resources

Threat Identification – HWO



WEATHER FORECAST OFFICE

Melbourne Florida

NATIONAL WEATHER SERVICE
NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local threat by ZIP, ST, or ZIP code

News Headlines

- Student Volunteer Opportunity Now Available for the 2023-2024 Academic Year
- [Hazardous Weather Outlook](#)
- [Melbourne Weather Outlook](#)

Graphical Hazardous Weather Outlook for east-central Florida Melbourne, FL
Weather.gov • Melbourne, FL • Graphical Hazardous Weather Outlook for east-central Florida

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Lightning Threat
 Valid Monday through Monday Night
 Issued Jul 17, 2023 8:48 AM EDT

Threat to Life and Property From Lightning

Extreme - There is a moderate or greater threat for excessive Cloud-to-Ground (CG) lightning and/or a high or greater threat for frequent CG lightning.

High - There is a low threat of excessive Cloud-to-Ground (CG) lightning and/or a moderate threat for frequent CG lightning and/or a high threat for occasional CG lightning.

Moderate - There is a very low threat of excessive Cloud-to-Ground (CG) lightning and/or a low threat for frequent CG lightning and/or a moderate threat for occasional CG lightning.

Low - There is a very low threat of frequent Cloud-to-Ground (CG) lightning and/or a low threat for occasional CG lightning. Remember, all CG lightning is potentially deadly.

Very Low - There is a very low threat of occasional Cloud-to-Ground lightning. Remember, all CG lightning is potentially deadly.

None - No discernible lightning threat.

Hover over or click on the small thumbnail images below to toggle the large image and corresponding threat levels. To get more specific information on each threat level please click on the threat levels image.

Tornado Severe Wind Severe Hail Lightning Flood Dense Fog/Smoke Excessive Heat Excessive Cold

High Wind Marine Thunderstorm Gust Marine Wind and Sea Rip Current Coastal Flood Waterspout Skywarn Activation Fire Weather

8:45 AM EDT Mon Jul 17 2023

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EAST CENTRAL FLORIDA.

DAY ONE...TODAY AND TONIGHT.

Tornado Threat
 Valid Monday through Monday Night
 Issued Jul 17, 2023 8:48 AM EDT

Threat to Life and Property From Tornadoes

Extreme - Tornado outbreak imminent, with several strong-to-violent tornadoes likely. Life-threatening situation, with major damage expected.

High - Tornado outbreak possible, with a few strong-to-violent tornadoes possible. Major damage possible.

Moderate - Several tornadoes likely, with a strong tornado possible. Areas of major damage possible.

Low - Several weak tornadoes possible. Minor to moderate damage possible, especially to mobile homes, pool screen enclosures and carports.

Very Low - One or two weak tornadoes possible. Minor to moderate damage possible, especially to mobile homes, pool screen enclosures and carports.

None - No discernible tornado threat.

Excessive Heat Threat
 Valid Monday through Monday Night
 Issued Jul 17, 2023 8:48 AM EDT

Threat to Life and Property From Excessive Heat

Extreme - Very dangerous heat index of 118 degrees or higher.

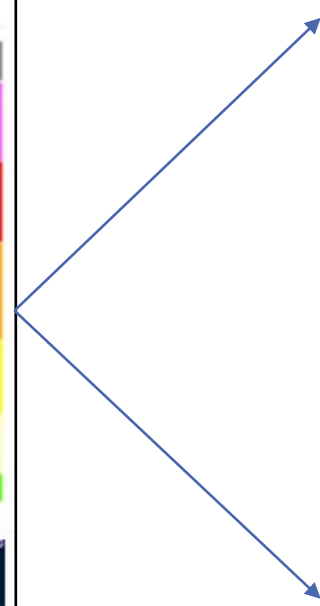
High - Dangerous heat index between 113 and 117 degrees.

Moderate - Heat index between 108 and 112 degrees.

Low - Heat index between 105 and 107 degrees.

Very Low - Heat index between 102 and 104 degrees from June to September; Heat index between 99 and 104 degrees from October to May.

None - Excessive heat not expected.



Weather Resources



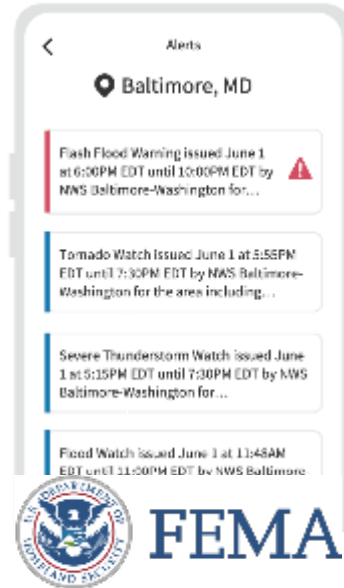
WEATHER FORECAST OFFICE

Melbourne Florida

Watch, Warning, Advisory Information



NOAA
Weather Radio



FEMA Mobile
App



Wireless Emergency
Alerts (WEA)



TV &
Radio

“Have Multiple Ways to Receive Weather Watches & Warnings”



Area Forecast Discussion (AFD)

Hazardous Weather Outlook (HWO)

Briefings

Area Forecast Discussion
National Weather Service Melbourne FL
253 PM EST Sat Jan 21 2017

...Threat for Severe Storms Sunday Afternoon into Sunday Night...
...Boating Conditions will Begin to Deteriorate Tonight and Become Very Hazardous Sunday Afternoon through Monday...

.DISCUSSION...
Rest of Today/Tonight...Increasing southerly flow out ahead of a developing area of low pressure near the Arklatex will continue to transport mild and slightly more moist air over the forecast area tonight. Meanwhile, an energetic mid/upper shortwave will push toward the Carolinas, taking most of its forcing along with it. Despite widespread showers and storms across the Panhandle and north Florida, forecast for our area will remain dry through much of the night. Higher moisture will begin to move in across northern sections from the Gulf late tonight. While deep convection (thunder) is not expected before sunrise, isolated showers may affect Lake and Volusia counties toward morning. Increasing winds above the surface will prohibit fog formation. Lows temps will moderate a few more degrees holding in the mid 60s.

Sunday...Focus will remain on the higher than usual threat of significant "dry-season" severe weather impacts to east central Florida. Amplification of a mid/level shortwave trough ejecting from the Rockies will induce an area of low pressure over north TX/OK tonight. This system will steadily intensify as it traverses the south during the day on Sunday. Confidence continues to increase that an organized and potentially powerful squall line will develop over the eastern Gulf of Mexico in the afternoon, moving rapidly east between 40 to 50 mph and impacting central Florida late Sunday afternoon and into the evening.

Given the fast forward motion of the squall line, strong winds between 40 and 50 mph will likely accompany the leading edge of the convection. "Bowing" segments embedded within the line will be capable of producing damaging wind gusts in excess of 60 mph. Isolated, brief tornadoes and hail up to 1" in diameter will also be possible. While we continue to focus on the afternoon and

.DAYS TWO THROUGH SEVEN...SUNDAY THROUGH FRIDAY.
CONDITIONS APPEAR FAVORABLE FOR A SQUALL LINE TO DEVELOP AHEAD OF A STRONG COLD FRONT ON SUNDAY MORNING EXTENDING FROM THE FLORIDA PANHANDLE SOUTHWEST INTO THE GULF OF MEXICO. VERY STRONG WIND FIELDS WILL COMBINE WITH INSTABILITY AND SHEAR TO PRODUCE A THREAT OF DAMAGING WINDS AND HAIL ASSOCIATED WITH THE SQUALL LINE AS IT CROSSES CENTRAL FLORIDA SUNDAY AFTERNOON AND SUNDAY NIGHT. ISOLATED TORNADOES WILL ALSO BE POSSIBLE PRIMARILY IN ANY STORMS THAT DEVELOP AHEAD OF THE SQUALL LINE. WIDESPREAD RAINFALL AMOUNTS AROUND ONE HALF INCH ARE EXPECTED WITH LOCALLY HIGHER AMOUNTS UP TO 2 INCHES POSSIBLE.

VERY HAZARDOUS BOATING CONDITIONS WILL DEVELOP SUNDAY AFTERNOON AND SUNDAY NIGHT AS STRONG SOUTHWEST WINDS INCREASE 20 TO 30 KNOTS WITH FREQUENT GUSTS TO GALE FORCE. STRONG WEST WINDS BEHIND THE FRONT MONDAY AND MONDAY NIGHT WILL KEEP BOATING CONDITIONS HAZARDOUS. SEAS WILL PEAK NEAR 10 FEET WELL OFFSHORE SUNDAY NIGHT THROUGH MONDAY NIGHT.

STAY TUNED TO LOCAL MEDIA OUTLETS AND NOAA WEATHER RADIO FOR FURTHER UPDATES ON THIS DEVELOPING WEATHER SITUATION. NOW WOULD BE A GOOD TIME TO CHECK THAT YOUR NOAA WEATHER RADIO IS IN GOOD WORKING ORDER.



Severe Weather Briefing for Sunday, January 22, 2017

Wednesday, January 18, 2017
11:00 AM EST

Will Ulrich
Warning Coordination Meteorologist
Weather Forecast Office - Melbourne, FL

weather.gov/mb

Social Media Posts

Severe Storm Risk Tomorrow
Have a Way to Get Severe Weather Warnings
Visit www.weather.gov/mel

Level 4 of 5: East Central Florida

Sunday Afternoon & Evening
Approx. 3PM - 9PM

All of East Central Florida

Potential Hazards:

- Gusty winds 50-70 MPH
• 45% chance for wind gusts 60+ MPH
- A few tornadoes, could be strong
- Large hail
- Locally heavy rain leading to flooding
- Deadly lightning

WEATHER FORECAST OFFICE
Melbourne Florida
Updated: October 8, 2023

National Weather Service

Outreach & Preparedness Programs



WEATHER FORECAST OFFICE

Melbourne Florida



Central Florida Extreme Weather

QUESTIONS?



Jessie Smith

Observation Program Leader & Meteorologist

National Weather Service – Melbourne, FL

jessica.r.smith@noaa.gov





Extreme Threat

Michelle Rud, RN, CEN, CHECII, Manager of Disaster Preparedness

HCA Florida Osceola & HCA Florida Poinciana Hospitals

April 20, 2023

Extreme Threat

CONFIDENTIAL – Contains proprietary information.
Not intended for external distribution.



Thursday, April 20

4:48

Notification Center



Emergency Alert

2m ago

TEST - This is a TEST of the
Emergency Alert System. No action
is required.

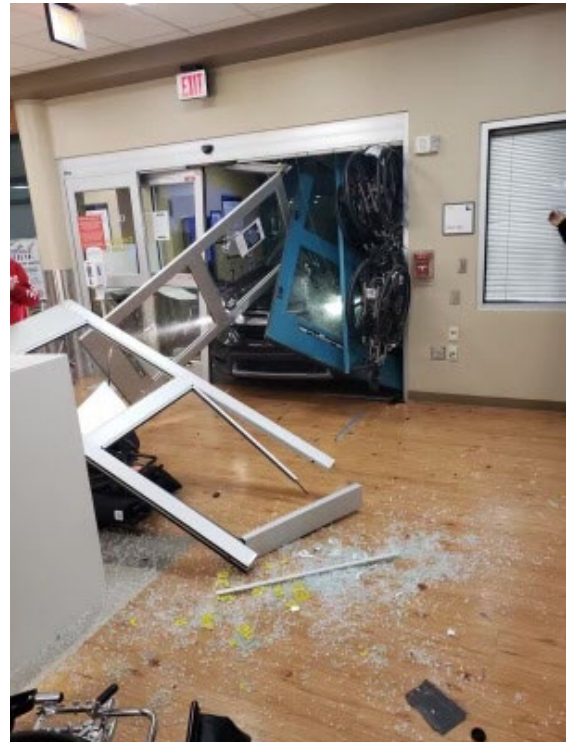
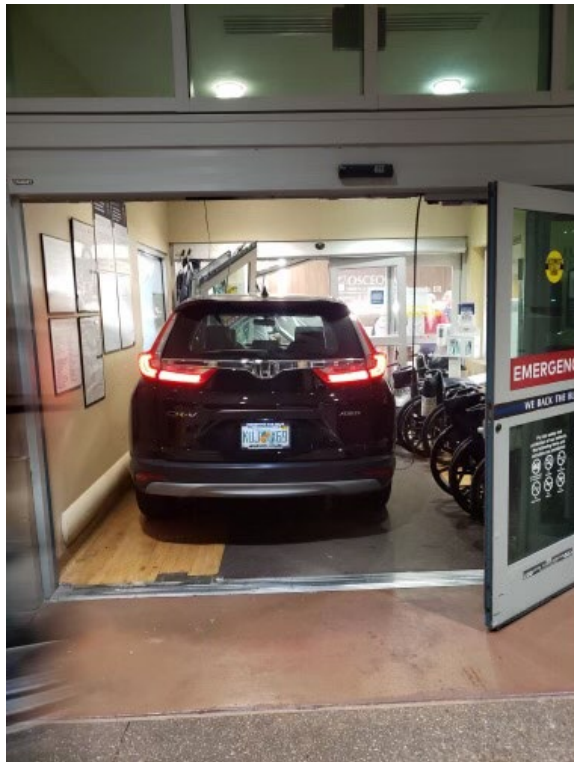




Thu, Apr 20 at 9:14 PM

You up?

Yeah. What's up



7 | Extreme Threat

CONFIDENTIAL – Contains proprietary information.
Not intended for external distribution.



WESH 2
car crashes into Osceola County hospital



Why did this happen?

- Non-life threatening complaint
- Discharge instructions
- Hanging out in the waiting room



Across the nation

2019: **131.3 million** people visited the Emergency Department

(Centers for Disease Control and Prevention, 2019)

Increase in violence, **25%** of Emergency Department Physicians say that they were assaulted multiple times a week

(American College of Emergency Physicians, 2022)

Only **2%** of physicians attacked, hospital employees intervened, ended up pressing charges

(Association of American Medical College, 2020)

85% of emergency physicians believe the rate of violence experienced in emergency departments has increased over the past five years, with **45%** indicating it has greatly increased

(American College of Emergency Physicians, 2022)

66% of emergency physicians report being assaulted in the past year, while more than **33%** of respondents say they have been assaulted more than once

(American College of Emergency Physicians, 2022)

33% of emergency physicians who were assaulted resulted in an injury, an increase of **6%** since 2018.

(HealthECareers, 2023)

What can you do?

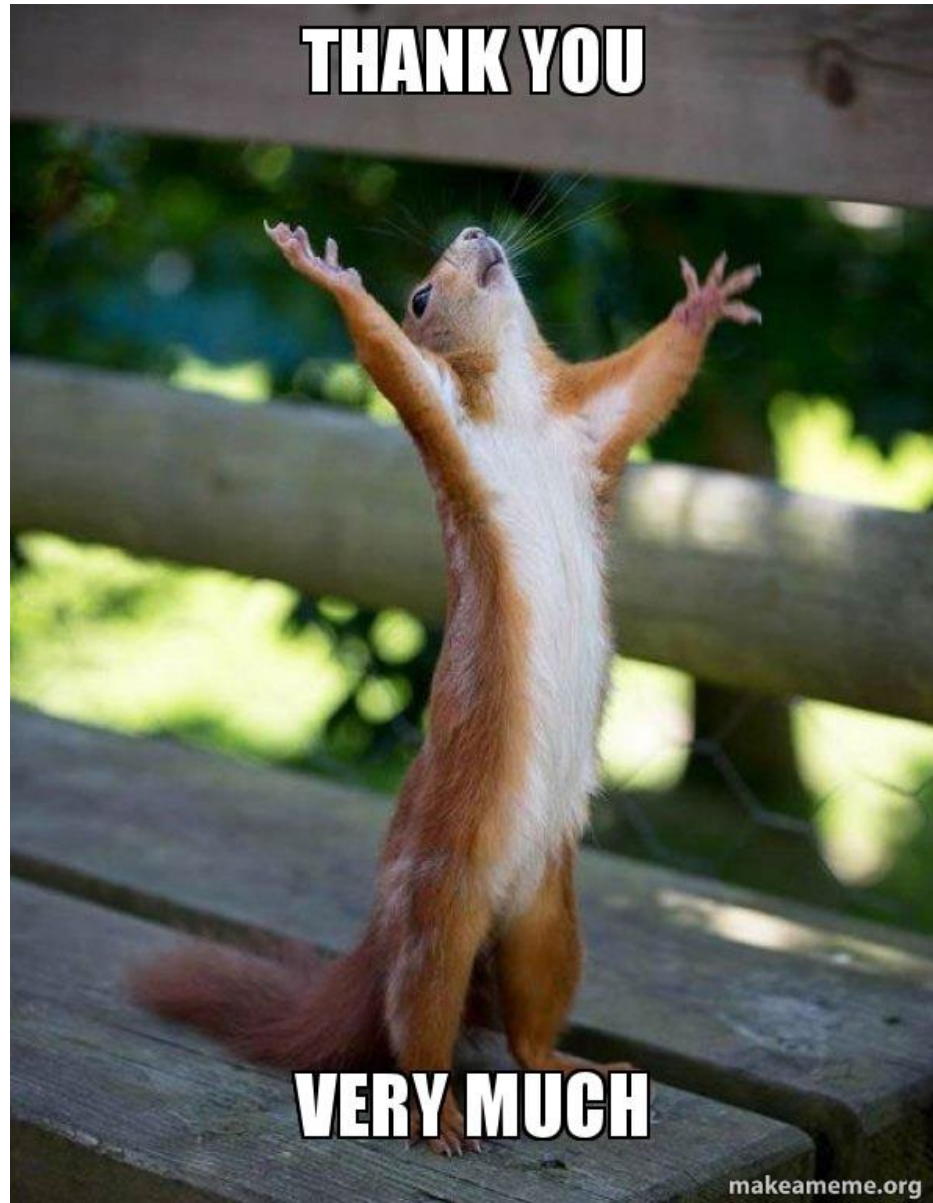
Be vigilant



What can you do?

Get Sleep, you never know
when your April 20th can
happen





References

- American College of Emergency Physicians. (2022). *Violence in the ER*. [Www.emergencyphysicians.org. https://www.emergencyphysicians.org/article/advocacy/er-violence-overview](https://www.emergencyphysicians.org/article/advocacy/er-violence-overview)
- American College of Emergency Physicians . (2022, August 1). *Poll: Emergency Physicians say Violence in the ED is on the Rise, Leads to Physician Burnout and Impacts Patient Care*. [Www.emergencyphysicians.org. https://www.emergencyphysicians.org/article/er101/poll-ed-violence-is-on-the-rise](https://www.emergencyphysicians.org/article/er101/poll-ed-violence-is-on-the-rise)
- Association of American Medical College. (2020, February 4). *Rising violence in the emergency department*. AAMCNEWS. <https://www.aamc.org/news/rising-violence-emergency-department#:~:text=The%20reasons%20for%20rising%20violence>
- Boey, V. (2023, April 21). *Woman drives through doors of Emergency Room at Florida Osceola Hospital*. FOX 35 Orlando. <https://www.fox35orlando.com/news/woman-drives-through-doors-of-emergency-room-at-florida-osceola-hospital>
- Centers for Disease Control and Prevention. (2019). *FastStats - Emergency Department Visits*. Centers for Disease Control and Prevention. <https://www.cdc.gov/nchs/fastats/emergency-department.htm>
- HealthECareers. (2023, March 29). *Why is Violence in Emergency Departments on the Rise?* [Healthcareers.com. https://www.healthcareers.com/career-resources/industry-news/why-is-violence-in-emergency-departments-on-the-rise](https://www.healthcareers.com/career-resources/industry-news/why-is-violence-in-emergency-departments-on-the-rise)
- Hogan, A. T., Brandon. (2023, April 21). *Woman removed from Florida hospital drives into ER, police say*. WKMG. <https://www.clickorlando.com/news/local/2023/04/21/car-crashes-into-emergency-department-at-osceola-hospital/>
- Hope, A. (2023, April 21). *Driver arrested after car crashes into Osceola County hospital*. WESH. <https://www.wesh.com/article/osceola-hospital-car-crash/43662877>

12/12/23 CFDMC Annual Conference – Extreme Violence Events – Eric Alberts

Orlando has been identified as having one of the highest crime rates in the United States. Below are some local news headlines from this calendar year:

- 'Real Tragic:' 15-year-old boy killed in shooting ID'd by Orlando Police
 - 17-year-old arrested in deadly shooting of women in Orlando's Curry Ford neighborhood
 - Orlando leaders discuss new federal office aimed at reducing gun violence
 - 4 arrested after 15-year-old boy found dead in Polk County driveway
 - 5th suspect wanted in drive-by shooting that killed 6-year-old girl, man, Orlando Police say
 - Law enforcement presence beefed up in downtown Orlando after 2 officers shot
 - Daytona Beach police makes arrest in string of shootings, finds many are connected
 - 'Take back our streets:' Orange-Osceola state attorney's office holds gun violence prevention summit
 - Man flown to hospital after fight at Lake County home ends in shooting, deputies say
 - 'We are heartbroken, we are angry:' vigils held for three people killed in Pine Hills shootings
 - One of the victims in this shooting was a Channel 13 journalist
 - 'The gun was still hot:' Orange County leaders re-form safety task force after deadly shootings
 - 3 dead, 2 injured in shootings
 - Watch: Daytona Beach police negotiate with women, accused of killing terminally ill husband in hospital
 - Orlando Police Chief addresses reducing violent crimes in city
 - Central Florida leaders gather Monday in Orlando to denounce gun violence
 - Domestic violence suspect sparks standoff at Orlando apartments, deputies say
 - Orlando leaders vote Monday on approving \$1.5 million to address community gun violence
 - Orlando leaders move forward with plans to improve safety downtown
- Similar across the region

Nationally -

There have been more mass shootings than days in 2023, data base shows 627 mass shootings as of 12/4/2023. Incident in which 4 or more victims shot or killed. Deadliest was in Lewiston Maine with 18 dead and 13 injured.

Hospitals –

The escalation of violence in our community and facilities has caused hospitals to re-think their safety and security measures.

- Hospital lock downs due to GSWs
- Damage to Emergency Department doors
- Security measures: metal detectors, extra security measures (Halifax Health)
- Workplace violence committees at each hospital
- Exercise scenarios either centered on or including workplace violence



THE HIDDEN POWER OF CHANGE

By: Dwight Bain, Leadership Coach
and Nationally Certified Counselor



Major change is almost impossible to manage alone, that's why leaders turn to others for insight and guidance during times of massive change. They know that taking the right action quickly can prevent a stressful situation from getting worse and in fact may surprise them by turning into unexpected success. I've had the chance to come alongside thousands of leaders over the last twenty-five years to coach them through major life transitions in their personal and professional life and have learned something new about change every day. While every difficult situation was complex in different ways, I discovered some common elements of a remarkable, although often, hidden source of energy that only became available during times of massive change. When used, this secret power gave these leaders the ability to achieve results instead of experiencing regrets while facing unbelievable levels of stress and pressure. My greatest joy was to coach them from pressure and problems to move forward with boldness by facing the changes necessary to gain personal strength and confidence.



Every change brings a chance to self improve and develop in countless ways, that's why I'm sharing these insights with you now. I want you to benefit from the hidden power of change in your life every single day. As you read these insights, think about your own situation and the changes you are facing right now, as well as the changes you need to make over the next few months in order to achieve greater success. Plan on using a highlighter to underline or circle the insights that reveal a part of you that is sick of feeling stuck in the same old pattern and is ready for a new perspective on change. Then take those highlighted concepts and begin to reshape them into actionable steps that you can use for guidance and motivation in your own journey of harnessing the hidden power of change.



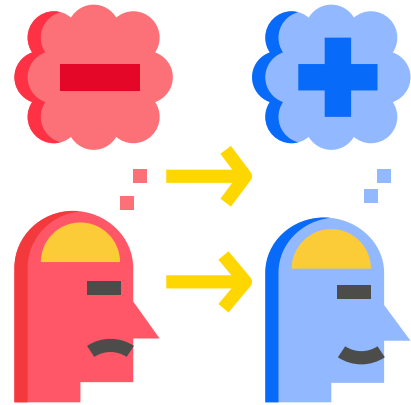
- Everyone is moving forward but not everyone is on the same track. That's why some people always look busy but never seem to accomplish much.
- Every little change makes big change possible. That's why you have to do little things differently every day to see big things change over time.
- Change is common. Taking positive action about it is rare.
- Since change is the most common factor in life why do so many people fear it? They realize that they can't completely control it, so they completely give up. When you learn to manage change instead of avoiding it, you regain control of yourself and then have the power to change the situation.



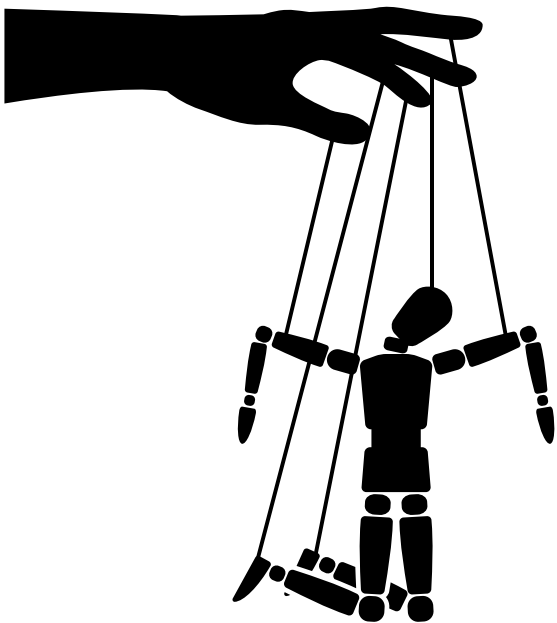
"Change is the most common element in life, just like the atom, which is the most common element in the universe. It's everywhere and in everything but only a few studied it to understand how to harness the power of splitting an atom to develop massive amounts of energy- the energy of the universe itself! This common element had within it the power to develop – or – destroy the world. It's the same for you and me, since the way that we deal with change will make our world a better place or lead to destroying it."

- Mr. Goodwrench is right-you gotta pay. Paying now is difficult, waiting to pay later is usually disastrous because the price is always much greater. Paying now is the only way to successfully manage change.

- Change creates energy. It can either “psych you up” with heightened motivation to take action, or “psych you out” with fear and anxiety. Leaders maximize this hidden power of change to gain strength in difficult times.



- Comfort doesn't bring change, comfort brings complacency. Only two things bring about radical and dynamic change- crisis and choice. One requires courage to boldly face issues and the other requires confidence to take bold action.



- When a leader awakens to see how fast change actually moves, they gain the ability to zoom past others like they were asleep. At first this is exciting and fun to have the ability to move so fast; then it becomes increasingly frustrating. Because the goal of a leader is to use the power of change to wake others up instead of just selfishly using that power to manipulate others.

- Crisis reveals who you are- what you do about the crisis reveals who you will be.



- Systems are the key to success or failure in life; change the system- and you change your life.
- Big change creates a chance to build big confidence from taking bold action; instead of just building more complacency by choosing avoidance.
- Change is the only method you can use to cash a reality check.
- People who master change will always be in demand as leaders, because as they grow stronger, people around them who haven't changed will need their guidance more than ever. This gap between the 'have's' and the 'have not's' will grow dramatically in the future.
- Understanding change is the key to building a good life- mastering change is the key to building a great legacy.
- How well you respond to change is the best indicator of how successfully you will live.
- If everything is changing, then you have a tremendous advantage if you are changing with it, since the gap between the changers and non-changers is growing every minute.
- Since everything is changing faster than ever, how come everyone isn't changing faster than ever to keep up?



- Excuses are ways to avoid taking responsibility-which leads to criticism of others; reasons are ways to accept responsibility and lead to changing yourself instead of trying to change others.



- Change forces you to make quick choices; so figure out now what you believe is right in order to make the right choice when it happens. You can't wait on this, so do it now.
- Fast and furious, slow and steady or ignorance and bliss are all ways to manage change. Since the way you manage change is the way you manage your life, if you want to figure out how successful someone will be in the future, just watch how they deal with change today.
- We build our future one day at a time by how wisely we manage the change happening around us today.

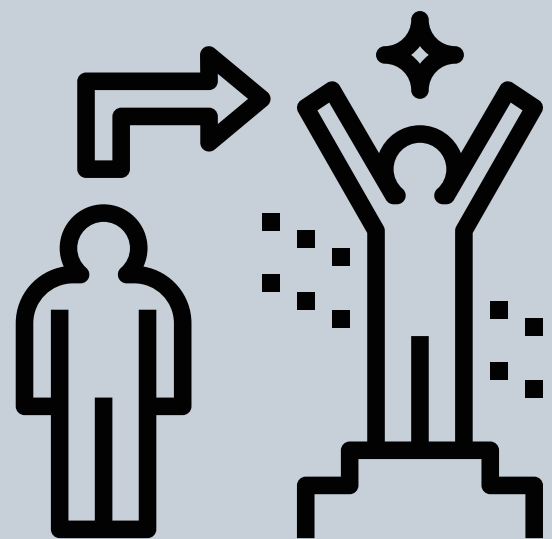
- Fame doesn't equal fortune, which is why so many celebrities end up broke. They banked their futures on the myth that popularity brings profits instead of reinventing themselves through the process of continual self-improvement and change.
- Some people would rather keep the people in their life under control by never risking a change, than to push forward and hear those same people boldly cheer for them as they take the risk to move forward toward achieving a positive difference.
- You control change by the way you control your choices. You have the power to break the patterns that have held you back, and that power is wrapped up in one word, "choice."



- Everything in life is changing quickly so everyone in life has to be changing fast to keep up, or risk being run over and left behind. Few will change fast, and those few will be the leaders.



- Change can lead to a crisis, which is stressful; or to a choice, which is also stressful; and staying the same creates the highest levels of stress! When you risk taking control of the changes around you, stress goes down as your strength and confidence goes up. Good trade.
- The size of the change shows the size of the problem that you have to deal with, and the size of the team needed to manage it. Big change can't be mastered by one person; and was never designed to be handled alone. That's why you have to ask for help when things are changing rapidly instead of slipping into silence.
- Most people run from change; leaders run toward it. They know that the courage required to run toward change is the down payment for the success they will experience on the other side of it..



- Move from frustration to fulfillment by changing your mindset about making the right choice in a difficult situation.
- Life is about change and change is stressful, as you press through the stress you will become strong.
- Every change involves a risk and the greater the change, the greater the risk. But great rewards require bold action, so take the risk to change and you will be boldly rewarded.

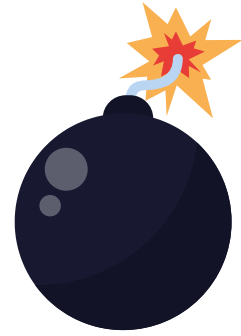


- The difference between a challenge or crisis is based on your perspective of the problem, the resources available to you and most importantly how well you respond to change.
- Making a positive change in your life today is going to be painful, but the long term payoff is powerful.



- Avoiding change doesn't make it go away, it makes it grow bigger and you still have to deal with it, so tackle it now, while it's small enough to manage.
- Change often forces you to face the things that you probably needed to face anyway.
- Change is hard, but not changing is always harder.
- Change will test you. How you react to the change determines if you pass to go to the next level of growth, which will require more change!
- If you face change you have a chance of making a difference. If you don't face it you never will and will likely let life pass you by.
- Every change involves a choice-face it and grow-or avoid it and get stuck. This is your chance to choke up or buck up!
- Be direct with change and you will take charge of your life.
- You can't control change, but you can control your reaction to it.

- An unexpected change feels like an explosion inside-it's stressful, scary and stretches you in ways you didn't anticipate. The end result of this process is strength as you stick with it.



- Surrender is the key to solve the anxiety of change, so learn to flow with change instead of fleeing from it or trying to fight it. Change your mindset about this process and you will just about eliminate worry and anxiety from your life. Since you cannot grow without changing- learn to master the change process early in life in order to achieve early success.



- The old saying "only the strong survive" is true- and real strength comes from facing the crisis instead of figuring out who to blame.

- Change reveals your weak spots that needed attention anyway; you just weren't aware of it. This is the greatest secret of change- pressure points the way to personal growth.
- If you face change you have a chance of making a difference. If you don't face it you never will and will likely let life pass you by.



- The process of life is changing incredibly fast, and that's stressful, but if you press through the stress, you will always gain strength and success.

- Leaders who say, “let’s wait and see” are really saying, “I’m too weak to express my opinion,” since “wait and see” usually means “wait and sink.”
- Every change involves a choice-face it and grow-or avoid it and get stuck. This is your chance to choke up or buck up!
- Life is changing at lightening speed. Change with it at lightening speed and you will find amazing success; wait for it and you’ll be left in the dust of those who took a chance and moved to a new level of success.
- Change is hard, but not changing is always harder.





Dwight Bain, LMHC, NCC

Dwight Bain helps people rewrite their story through strategic change as a counselor and coach. He is a trusted media source quoted by the New York Times, Washington Post, Investor's Business Daily, and has been quoted in over 20 books. Dwight is a lifelong resident of Orlando where he lives with his wife Sheila and an assortment of pets. Married 35 years, they always have suitcases packed for their next adventure together.

During times of high pressure, it is essential to automatically build mental wellness. There are common emotions and behaviors associated with stress that cause burnout. The same is true for wellness, there are emotions and behaviors that can identify how well a person is functioning. Use these categories to open conversations with others during stressful times.

How Mentally Well are you Functioning?

Select which words best describes your level of functioning today

- **Thriving (functioning at 100% maximum capacity)**
- **Meaningful / Flourishing / Fulfilled / Purposeful / Energetic**
- Strong / Empowered / Driven / Focused / Clarity
- Contented / Peaceful / Calm / Patient / Joyful
- Growing / Developing / Learning / Resilient
- Self-Aware / Insightful / Kind / Empathetic
- Comfortable / Stable / Accepting / Relaxed / Happy
- Disciplined / Motivated / Self-Controlled / Responsible
- Distracted / Struggling with Work-Life Balance
- **Stressed / Worried / Nervous / Pressured / Languishing**
- Moody / Irritated / Easily Annoyed / Frustrated / Angry
- Critical / Complaining / Blaming / Acting Irresponsible
- Weak / Exhausted / Depleted / Overwhelmed / Empty
- Anxious / Confused / Panicked / Fearful / Burning Out
- Attacking / Condemning / Infuriated / Blaming / Hostile
- Depressed / Wounded / Shattered / Despairing
- Self-Destructive Habits (*smoking, drinking, food, spending*)
- Addictions (*gambling, pornography, drugs, alcohol*)
- Illness / Somatic Illness / Despondent / Hopeless / Helpless
- Break with Reality / Delusions / Hallucinations / Rage
- **Self-Harm / Suicidal / Homicidal / Dangerous / High Risk**
- **Dying / Fading / Drowning (functioning at 0% capacity)**

“Mental health in the workplace is not a nice-to-have, it’s a must-have.” - US Surgeon General

Skills that reduce stress and increase resilient capacity after crisis.

“People are at their best – physically harder, mentally tougher, and spiritually sounder – after experiencing the same discomforts our early ancestors were exposed to every day. Scientists are finding that certain discomforts protect us from physical problems like obesity heart disease, changers, diabetes, depression and anxiety and even more fundamental issues like feeling a lack of meaning and purpose.” -Michael Easter, in “The Comfort Crisis”

Physical:

- Sleep, (7-9 hours)
- Sleep rituals- Same time to wake up and go to bed, avoid screens before bedtime
- Predictable daily schedule to manage time and not feel rushed
- Healthy Nutrition using meal prepping for portion control smart eating
- Intermittent Fasting or a Daniel Fast
- Hydration throughout day (*CDC recommends half your body weight in ounces daily for brain/body health*)
- Nutritional supplements or HBOT recommended by medical professionals
- Low impact exercise like Walking, Biking, Swimming, Yoga, Pilates or Stretching
- High impact exercise like Weight Lifting, Indoor Climbing, Cross-fit or Spin
- Deep breathing (**4x4**) to calm brain from ‘fight/flight’ reaction
- Experiment with aromatherapy or sound machines for relaxation
- Schedule time in a sauna, steam room, ice bath or soak tub to reduce pressure
- Relaxation routines- including scheduling a massage or taking an energizing nap
- Regular physical checkups, including bloodwork
- Medication, (*as prescribed by your physician*)

“When you give your body the best possible fuel, you have more energy, you’re stronger, you think more quickly.” – Michelle Obama

Mental and Emotional:

- Encouragement building exercises, especially photos of positive memories
- Laughter/Fun/Playtime with children, pets, friends, and family.
- Face and voice emotions like anger, anxiety, sadness, or apathy directly
- Journal out negative emotions to remove **FOG** (*Fear/Obligation/Regret*)
- Let go of painful memories and regret to leave the past behind
- Say **“NO”** to bad habits or time distractions that shred the benefits of calm and silence
- Talk through issues to get through issues, (difficult topics require high trust with someone)
- Reduce or remove negative news or rumors about the world that add pressure
- Identify and process hurtful emotions with a journal, or with a trusted friend
- Write letters to vent out disappointment, (*and then tear them up, never post!*)

“Write down 5 things you are grateful for every day. Focusing on gratitude helps calm the deep limbic or emotional areas of the brain and enhances the judgment centers.” - Daniel Amen, MD

Social and Relational:

- Face relationships openly by voicing your needs to others
- Learn the love language of those close to you and let them know yours
- Directly confront issues, especially in your closest relationships
- Connect with friends/family in new activities **without screens** being in the way
- Share your burdens with others or manage them in a journal
- Join a support group with people facing similar issues
- Utilize counseling supports, mental health Apps or EAP if you have access.
- Join a hobby group which involve healthy connections
- Set firm boundaries to prevent unhealthy demands from others
- Get involved with a cause you believe in – like animal rescue
- Seek and share comforting touch through hugs from pets and safe people

“Tired, nerve-shaken, over-civilized people are beginning to find out that going to the mountains is going home; that wilderness is a necessity; and that mountain parks and reservations are useful not only as fountains of timber and irrigating rivers, but as fountains of life.” ~ John Muir, 1901

Behavioral:

- Daily planning time that fits your personality and energy level
- Utilize organizational planners for efficiency
- Unplug from technology by cancelling accounts or prolonged media fast
- Short term goals to boost confidence
- Daily hobbies for enjoyment- like gardening or listening to or dancing to fun music
- Reframe your thoughts for good by eliminating negative news or gossip
- Create daily activities for purposeful relaxation without the use of a screen
- Count your blessings instead of counting problems as daily practice
- Create a bucket list of lifetime goals and develop a plan to experience them
- Reading for relaxation or personal development
- “Pay it forward”* to do good for others with **ARK** (*Acts of Random Kindness*)
- Learn something new every day to boost brain health
- Take on a new challenge- like growing vegetables or learning to play an instrument
- Leave work stress at work and avoid working on screens during family time
- Take training courses to gain new knowledge and skills, like speaking Spanish
- Move and create motion every day, (*note the root word of emotion is motion!*)

“Exercise is the fountain of youth; it’s critical to keeping your brain vibrant and young. If you want to attack Alzheimer’s disease, depression, obesity, and aging all at once, move every day. Exercise directly fights depression, anxiety, heart disease, diabetes, and cancer.” -Daniel Amen, MD, The Brain Warriors Way Podcast

Spiritual:

- Meditate
- Read inspirational books and share what you have learned.
- Make prayer a regular part of your daily routine.
- Memorize scriptures that inspire and renew your mind.
- Listen to inspirational music.
- Follow the Golden Rule of doing unto others as you would have them do to you.
- Forgive those who have wronged you and forgive yourself.
- Attend spiritual classes to deepen your faith.
- Attend worship services with like-minded Believers.
- Remember, *“Things come to pass – not stay.”*
- Re-create spiritual peace in quiet places to refresh your soul.
- Build spiritual strength through meaningful experiences.
- Attend prayer vigils to experience greater community connection.
- Observe a day of quietness and rest.
- Volunteer to **serve others** and give back to the community.
- Get in touch with nature, especially in the sunshine.
- Find meaning in purposeful activities that add value to help others
- Visit a bike trail, park, lake, beach, or mountain trail to reflect on creation.
- Begin a Gratitude Journal to record the blessings you have experienced.

“Practiced regularly (twice a day), relaxation or meditation prevents angry arousal.” — Martin E. Seligman, PhD

These wellness coping skills are listed for educational purposes only and not intended as medical or clinical advice. Only a health care professional can make, diagnosis or recommend a clinical treatment plan.

M.D.A Response To Terror Attacks & Multi Casualties Incidents "The Israeli Experience"

GUY CASPI - EMT-P, M.E.M
MCI Chief Instructor
Director of HAZ-MAT Exercises and Operational Training, Department Operations Division
MAGEN DAVID ADOM IN ISRAEL
guyc@mda.org.il

Some Facts about Israel

- Established - 1948 (population 806,000)
- Area- 7,750 sq. mi.
- Population 1/23 - 9,656,000
(73.9% Jews, 21.1% Muslims, 21.1% Christians 1.5% Druze, 2.5% other)
- Urbanization 92.4%
- 26 General Hospitals:
 - Governmental
 - HF's
 - Other public
- 7 Level I Trauma Centers

©MDA ISRAEL guyc@mda.org.il

Main Players Emergency Response

©MDA ISRAEL guyc@mda.org.il

What We Do ...

The Israeli National E.M.S System.. and more

4
©MDA ISRAEL急救@mda.org.il


M.D.A In Numbers (2022)


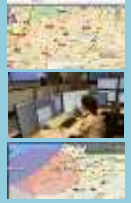


5
©MDA ISRAEL急救@mda.org.il

Chain Of Survival

©MDA ISRAEL急救@mda.org.il

C & C System Overview



Multi-Channel Information Influx	Automatic Resource Detection, Assignment and Dispatching	Multidisciplinary Decision Support System	Supervision, Support
			

©MDA/SRAIL, mada@mda.gov.il

Emergency Preparedness



“It wasn't raining when Noah built the ark”
Howard Ruif



MDA Main tasks in Emergency events



 <p>Triage, Treatment And Evacuation Of Casualties</p>	 <p>Primary Distribution & Regulation Of Casualty</p>	 <p>Medical Command</p>
 <p>Secondary Casualties Relocation</p>	 <p>National Blood Reservoir</p>	 <p>Casualties Situation Report</p>

Preparedness For Emergency Scenarios

Integrated Doctrine

Guidelines, SOP, Protocols

Emergency Agencies Coordination

Supervision & Monitoring

מגן דאוד אדום בישראל
מגן דאוד אדום בישראל
מגן דאוד אדום בישראל

Personal Protection Equipment

Personal Protection Equipment

Designated Gear, C & C Accessories

Antidotes
O.P., Opioids, Cyanides

מגן דאוד אדום בישראל
מגן דאוד אדום בישראל
מגן דאוד אדום בישראל

Training and Education

Combined Training Programs, Drills And Exercises


Basic Training,

Continues Education Programs

12

מגן דאוד אדום בישראל
מגן דאוד אדום בישראל
מגן דאוד אדום בישראל

Training For M.C.I's & Terror Attacks



- Frontal lessons
- Practical practice
- Case Studies (incidents recordings/ video)
- Tabletop Exercise
- Video simulation
- Simulator
- Drills And Exercises

©MDA ISRAEL info@mda.org.il

The Threats



Terror

©MDA ISRAEL info@mda.org.il

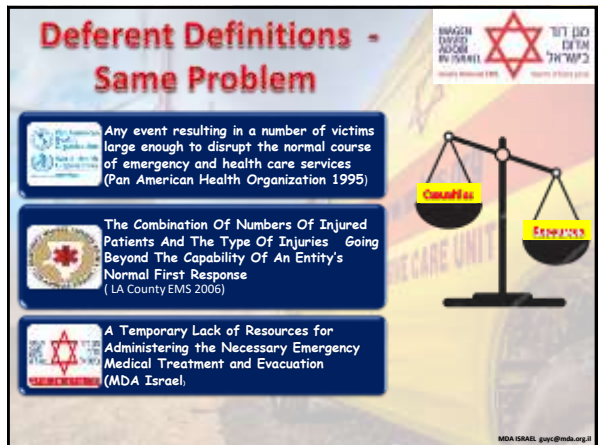
Explosion Scene



©MDA ISRAEL info@mda.org.il







Considerations ,Challenges & Difficulties

MANAGEMENT

SAFETY

URGENT HELP

Medical Ethics

Resources

Demands

"Scoop & Run"

"Stay & Play"

©MDA ISRAEL急救@mda.org.il

Regional Dispatch Center Activities:

- Gathering Information
- Do we Have a Situation ?
- Checklist Activation (SOP)
- Response
- Hospital Representative Activation
- Incident Situation
- Regulation & Dissemination Of Casualties
- Response To Routine Calls
- Secondary Casualties Relocation

©MDA ISRAEL急救@mda.org.il

Crews En Route

Staff Briefing

Personal Protection Equipment

Organizing M.C.I Equipment

©MDA ISRAEL急救@mda.org.il

First ambulance on scene

EMERGENCY MEDICAL SERVICES
מגן דאוד
הצלה רפואית
במרחב

Scene evaluation - Safety, Situation

First report from the scene (sit-rep)

- What ?
- Where ?
- How many ?
- Routes of arrival
- Establish & Declaration of the incident medical Commander

© MDA ISRAEL急救@mda.org.il

Principle Of Command & Control

EMERGENCY MEDICAL SERVICES
מגן דאוד
הצלה רפואית
במרחב

- Scene Evaluation
- Primary Report To Dispatch Center
- Incident Commander Declaration
- Joining Of Emergency Agencies Commanders On Scene
- Division Of Scene Into Sectors
- Team Activation To The Sectors

© MDA ISRAEL急救@mda.org.il

M.D.A Chain Of Command In M.C.I

EMERGENCY MEDICAL SERVICES
מגן דאוד
הצלה רפואית
במרחב

The E.M.T on first M.D.A ambulance on scene

- Must take command

Paramedic On First A.L.S Unit

- Can decide to take command

Managerial staff

- Must take command

"Commander 10"

© MDA ISRAEL急救@mda.org.il

Crews Activity In The Sectors

- Locating The Casualties
- Removing Casualties From Danger Zone
- Triage & Life Saving Procedures
- Marking
- Report To Incident Commander



Triage

Daily Emergencies • Do the best for each individual.

M.C.I Settings • Do the greatest good for the greatest number.



The Israeli Approach

Primary Triage Hostile Environment
A B C Triage

Primary Triage Disaster or collapsed Building
START Triage

IMMEDIATE

Hemorrhage Control
Check Airway
Check Berating

Mark

Move on to next patient

Next patient



Casualties Tagging

☆ Medical Documentation

☆ Triage For Treatment & Evacuation

©MDA ISRAEL急救@mda.org.il

Primary Round

- Each Medical Provider In His Sector
- Identify The Urgent Casualties
- Primary Assessment & Triage
- Life Saving procedures
 - Hemorrhage Control
 - Basic Airway Management
- Marking


©MDA ISRAEL急救@mda.org.il

Evacuation

- Continued Medical Care En Route
- Casualties Reassessment
- Destinations Determined By Regional Dispatch Center
- Casualties Distribution And Dissemination
- MDA Hospital Representatives

©MDA ISRAEL急救@mda.org.il


**Casualties Collection Point/
Staging Site /AMP
Advance Medical Post**



- Optimal utilization of resources
- Prolong Resources accumulation (personnel, ambulances)
- Unsafe scene
- Prolong incidents

Urban Vs. Rural


Secondary Round



- Prioritization Of The Urgent Casualties
- Secondary Assessment
- Completion of medical treatment(ABC)
- Casualties Body Temperature
- Medical Documentation (if not delaying evacuation)

©MDA ISRAEL急救@mda.org.il

Principle Of Command & Control



- Updating Dispatch Center
- Responding Agencies Coordination
- Definition Of Arrival & Evacuation Routes
- Evacuation Of Casualties
A. S. A. P.
- Staging & Treatment Site On Scene ???

©MDA ISRAEL急救@mda.org.il

After The Blast

- No Casualties On Scene?
- Deceased On Scene
- Back To Full Operational Ability
- Debriefing

©MDA ISRAEL info@mda.org.il

Debriefing

- ☆ Primary Data Collection
- ☆ Operational Debriefing
 - ❑ Debriefing Tool
 - ❑ No Finger Pointing >> procedures/SOP's **not** people
 - What we have done right? How?
 - What we have done wrong? Why?
 - What we have done right but can do Better ? And How ?
- ☆ Medical Debriefing
- ☆ Stress Debriefing

©MDA ISRAEL info@mda.org.il

מה למדנו??

(What Have We Learned ??)

©MDA ISRAEL info@mda.org.il

Take Home Message No 1

EGO EATS BRAINS

John Sinclair

EMDA ISRAEL logo and text: EMAGEN עמ"ק אגודת מד"א בישראל

Take Home Messages - Preparedness

- Doctrines, Operating concept, S.O.P
- Basic Training, Continues Education Programs, Combined Training Programs
- Drill - Drill - Drill

EMDA ISRAEL logo and text: EMAGEN עמ"ק אגודת מד"א בישראל

Take Home Messages- Dispatch

- M.C.I Checklist
- Who Make The Decision ?
- Technology , Communication
- Routine Calls

EMDA ISRAEL logo and text: EMAGEN עמ"ק אגודת מד"א בישראל

Take Home Messages - En Routh

Crew Briefing

M.C.I. Equipment

Personal Protection Gear

© MDA ISRAEL急救@mda.org.il

Take Home Messages - Incident Command

"Better **one bad** general than **two good** ones"

Commanders Identification

Chain Of command

Business Cred : NOT AT THE SCENE.....

Who Save Lives ? The "Market Force"

© MDA ISRAEL急救@mda.org.il

Take Home Messages - Scene Command & control

Managing Within The Chaos !

Should We Wait For The Bomb Squad ?

Reinforcement /Contingency Planes

Can We Get To The Scene **And Out**

© MDA ISRAEL急救@mda.org.il

Take Home Messages - Medical Care

Those Who Need Immediate Life Saving Procedures And **The Rest**

- Hemorrhage Kills
- Level Of Medical Escort , Equipment
- Patient in transport >> MCI Ended
- Evacuation Destinations By Dispatch center

MDA ISRAEL logo and Star of David.

Take Home Messages hospital Collaboration

- Combined Drills
- Hospitals Coordination & Notification
MDA APP, MDA Liaison Officer
- Self Evacuation
- Don't Bring The M.C.I to the hospital...
- Secondary Casualties Relocation

MDA ISRAEL logo and Star of David.

Take Home Messages - Debriefing

- Short Time After the Incident
- Primary Data Collection
- Operational / Medical, Written and Shared
- Stress Debriefing...

MDA ISRAEL logo and Star of David.







The Terrain



Magen David Adom **דלתא ת"ת (DD)** **Israel is under attack**

Israel's National EMS

Saturday, 10/7/23
'Simchat Torah'



Between 06:29 To 10:30 over 3,000 rocket, missile & mortars were fired toward Israel

Magen David Adom **דלתא ת"ת (DD)** **Israel is under attack**

Israel's National EMS


Saturday, 10/7/23
'Simchat Torah'



Black Sabbath - Hamas attacks
kibbutzim, villages and cities
IDF bases and outposts
Parties

Magen David Adom **דלתא ת"ת (DD)** **Israel is under attack**

Israel's National EMS



Some Figures of Oct. 7th


- ✦ **1,250~ murdered** (IDF spokesman, final number to be determined – identification, kidnapped 1,
- ✦ **1,112 Injured, 200 ~ in Critical condition** (Ministry of health 10/07 23:35),
- ✦ **10,763 Injured** (Ministry of health 12/12 0700)
- ✦ **242 ~ Kidnapped** (confirmed) - **138 Today** (12/13/23)
- ✦ **3 MDA members killed** , 2 seriously injured, 2 with minor injuries
- ✦ **9 Ambulances damaged**



Operational Thoughts.....

- ✦ **Preparedness**
- ✦ **The Reference Scenario Vs. reality**
- ✦ **The challenge of creating a common operational picture and the magnitude of the incident (how many casualties ? where are they ? what's next?)**
- ✦ **0 to 100 capacity & Operational flexibility**






Operational Thoughts.....(2)

- ✦ **Safety and Security of personnel – MDA teams treat casualties under fire**
- ✦ **Armored ambulances**
- ✦ **Dispatchers in the 'Front Line' – new situation : hide in place, can't sent response....**
- ✦ **Real-time coordination**



Medical Thoughts.....

- ✧ Injuries types – GSW & penetrating wounds, blast ,burns & smoke inhalation
- ✧ Prolong time between injury to care – no access to casualties...
- ✧ Massive evacuation by bystanders /security forces - no triage or medical care...



Medical Thoughts.....

- ✧ Besieged communities - ad hock casualties collection points
- ✧ "Stop The Bleed" – training and CAT saved lives
- ✧ Tranexamic Acid and FDP key elements in care Low Titer Whole Blood in air med units
- ✧ Evacuation destinations - primary distribution of casualties ??
- ✧ Psychosocial support for teams



The abducted

WE WON'T STOP UNTIL THEY'RE ALL BACK

#BringThemHomeNow

