



Coalition Meeting Agenda

Thursday, September 20, 2018 - 9 am to Noon
St. Lucie Emergency Operations Center
15305 West Midway Road, Ft. Pierce, FL

or via webinar/conference call at:

<https://global.gotomeeting.com/meeting/join/684815309>

Use your microphone and speakers (VoIP) - a headset is recommended. Or call in using your telephone.

United States: +1 (626) 521-0015

Access Code: 684-815-309

Meeting ID: 684-815-309

All lines are muted – press *6 to unmute and mute

NOTE: This meeting will be recorded

Time	Topic
9:00 – 9:10 am	Welcome & Introductions – Dr. Karen van Caulil, CFDMC Board Chair If on webinar/conference call, please confirm your attendance by emailing: info@centralfladisaster.org
9:10 – 9:55 am	Evacuation Best Practices Bob Stolz, Regional Manager, Southwest & Florida, ARC Products, LLC
9:55 – 10:10 am	Break
10:10 – 11:10 am	Lessons Learned from Stoneman Douglas (Parkland): Kelly Keyes, Emergency Preparedness Manager, Broward Health
11:10 – 11:45 am	Active Shooter Tips & Resources: St. Lucie Sheriff's Office
11:45 – 11:55 am	Regional Best Practices/Lessons Learned in Alternate Care Sites: Blue Skies
11:55 am - Noon	Wrap-up – Dr. van Caulil <ul style="list-style-type: none">• Other Announcements• Next Meeting: December 13, Viera• Meeting Evaluation (e-survey following meeting)

Reminder: Dementia Awareness Training

1:30 to 3:30 – 1:30 to 3:30 (open to all members)

Note: the training is not available via webinar

9-20-18 Central Florida Disaster Medical Coalition Quarterly Member Meeting Minutes

Participants: See attached sign-in sheets and webinar attendees

Welcome: Dr. Karen van Caulil, CFDMC 2018 Board Chair, welcomed the group and thanked for all participating. She thanked St. Lucie Emergency Management for hosting the meeting. She reminded all present that the session was being recorded. She asked Board members present to introduce themselves. She reminded those attending in person to sign-in and asked webinar/phone participants to email to confirm attendance.

Regional Best Practices/Lessons Learned in Alternate Care Sites: Blue Skies presented trends learned from the recent alternate care site tabletops held in each county (see attached presentation). The next step in this process will be a functional exercise in 2019.

Evacuation Readiness-Lessons Learned, Best Practices and Support Tools: Med Sled presented an overview of lessons learned from multiple hospital evacuations across the nation and an overview of training they provide (see presentation). Med Sled was asked by the coalition, at the request of hospitals within the region, to conduct an assessment of hospital evacuation equipment across the region. The assessment has just begun and results will be presented to the coalition.

Lessons Learned from Stoneman Douglas (Parkland): Kelly Keyes, Emerging Preparedness Manager from Broward Health provided a powerful presentation on Broward's response to this active shooter event. Lessons learned include sharing patient lists with all responding hospitals, ensuring that students have identification on their person (many arrived at hospitals within no IDs as these were left behind in backpacks, etc.), and providing behavioral health support/debriefings to the hospital responders.

Active Shooter Tips & Resources: The St. Lucie County Sheriff spoke to the group about the importance of being prepared. Detective Sue Woodward of the St. Lucie Sheriff's Office provided training on how to respond if confronted with an armed aggressor.

Wrap-up: Dr. van Caulil asked if there were any other announcements. She reminded members that the next meeting will be December 13 in Viera. She encouraged members to participate in the meeting survey that will be sent out electronically following today's meeting. She reminded attendees that dementia awareness training will be held today from 1:30 to 3:30 p.m.



Central Florida Disaster Medical Coalition (CFDMC) Member Meeting

Thursday, September 20, 2018

Note: Meeting is being recorded



Dr. Karen van Caulil, 2018 CFDMC Chair

Introductions

For Those on Webinar, Please Confirm Attendance
by Emailing: info@centralfladisaster.org

Evacuation Readiness–Lessons Learned, Best Practices and Support Tools – Joe Pandolfo, President of Med Sled Evacuation/ARC Products





Evacuation Best Practices

Joe Pandolfo
President – Med Sled



History

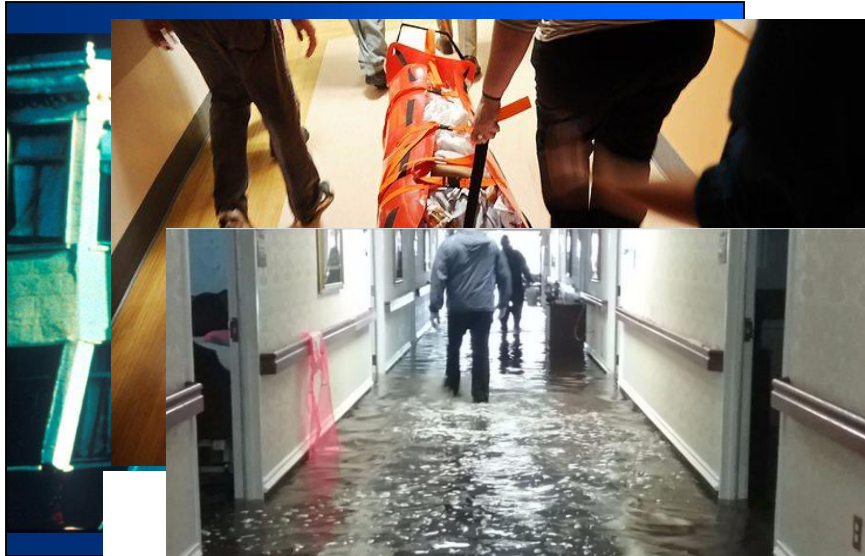
Looking Back

- In 2006, in the wake of Hurricane Katrina, the Office of the Assistant Secretary for Preparedness and Response (ASPR) was created
- Objective was to lead the nation in preventing, preparing and responding to public health Emergencies and Disasters
- Over the last 12+ years, millions of dollars have been spent in the pursuit of this objective
- Spending was spread across a broad spectrum of preparedness priorities ...
- Mile Wide ... As deep as the funding allowed

**Many Lessons Have Been Learned
The Greatest Lesson Has Been...**

Lessons Learned

It is not a matter of **IF** a large area wide disaster will occur ... but **WHEN** History Has Proven this

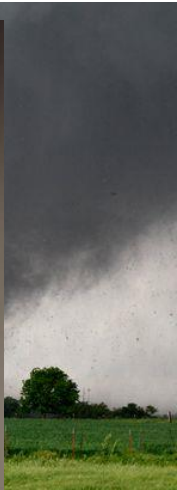
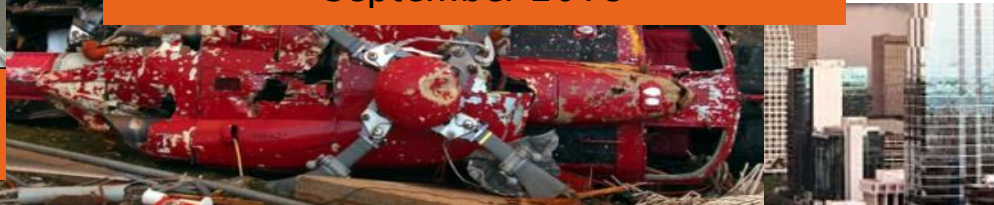


Loma Prieta
San Francisco
Area 1909

Hurricane Harvey – Houston . Tx
August 2017



Hurricane Florence – Hits SC, NC & VA
September 2018



Indianapolis City

Through These Events Critical Gaps Have Been Identified ...
Here Lies our **CHALLENGE!**

The Challenge

- Our industry is great at sharing the lessons learned by others that learned them the hard way ...
- We are great at sharing best practices
- The Challenge ...
STOP Just Learning – Start Applying
- Ask yourself Are our plans based on old assumptions and protocols **OR** have I implemented the Hard Lessons Learned by Others

Emergency & Disaster Planning



Can You Ever Be Too Prepared?

Lessons Learned

▶ Superstorm Sandy – NYU Langone

- Evacuation Plans assumed
 - Never have to fully evacuate the entire faculty
 - Vertical Evacuation limited to 2 or 3 floors
 - Had a mutual aid agreement with Bellevue Hospital to share evacuation equipment
- NYU used their Med Sleds to evacuate approximately 280 Critical Care patients out of a 16 story building
- Bellevue Hospital was evacuating at the same time

▶ Lesson Learned:

- Plan for the worst case scenario
- Reuse of equipment is not feasible



Lessons Learned

▶ Joplin, MO – EF5 Tornado

- Evacuation Plans assumed
 - Would never have to fully evacuate the facility
 - Would reuse evacuation equipment
 - Cached over half of their equipment ... Planned on deploying equipment “where needed”
- Hospital took a direct hit of EF5 Tornado ... 200+ mile per hour winds
- Fully evacuated hospital ...
- ½ of their evacuation devices were not accessible
- ½ remaining, were not available for reuse



▶ Lesson Learned:

Evacuation equipment is needed immediately ... Don't centrally cache, deploy equipment as close to the

Evacuation Lessons Learned

- Change the paradigm: It is not a matter of IF ... but WHEN
- ▶ Plans should not over rely on other resources
- ▶ Prepare for both horizontal and vertical evacuation ... If there is a debris field you can't roll patients in their beds, evacuation equipment will be needed even for horizontal evacuation
- ▶ Don't overly rely on technology
- ▶ "What man makes, Mother Nature can break ... IE: Satellite Phones, Generators, "KISS"



Joplin, MO Fire Department



Evacuation Lessons Learned

- ▶ No lift and no wheeled devices
- ▶ Wheeled devices become carry devices in debris field
- ▶ Carrying is dangerous to patient and your staff ...average weight of non-ambulatory patient is over 265
- Transportation plans must start the bed
- Plan realistic drills to test your plans, protocols and assumptions
~~NOT~~ validate your plans



Evacuation Lessons Learned

Infant / Toddler Evacuation Principles \ Protocols

- ▶ Clinicians stay with infants from bed to extraction area

- ▶ High acuity infants / NICU (Level 3 & 4) require continuous life support throughout the evacuation process, 1 Clinician to 1 Infant without proper equipment will require 7 to 8 clinicians to 1 baby

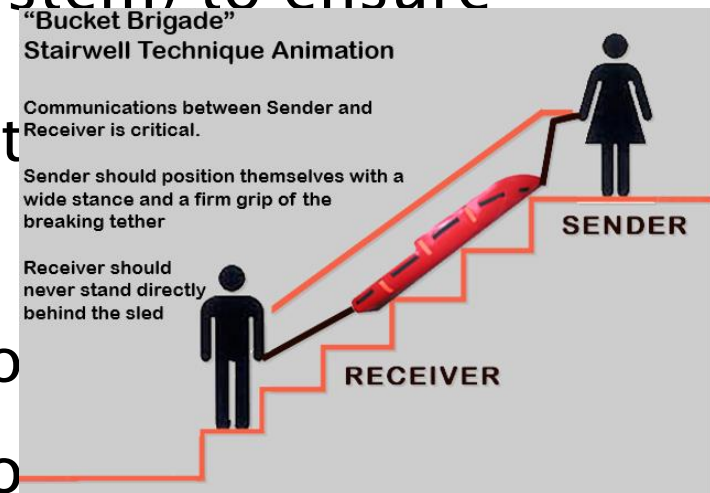


- ▶ Healthy / lower acuity infants (Level 1 & 2 ... growers and feeders) do not require life support or continuous

Evacuation Lessons Learned

Adolescent and Adult Patient Evacuation

- Evacuation Goal ...
Maximize the number of patients safely evacuated, while minimizing the number of staff required to stay in harms way the least amount of time
- Clinicians work in pairs (Buddy System) to ensure safety
 - Responsible for sled deployment
 - Loading patient into sled
 - Transition from bed to floor
 - Horizontal movement to protocol
- Utilize a deployed labor pool to form a “bucket brigade” for vertical evacuation



Evacuation Readiness – Best Practice

- ▶ Having enough of the Right equipment in the Right locations is paramount to a successful evacuation
- ▶ Fully equip units to evacuate in a single flow ...
Minimize the time to evacuate and maximize safety...
- ▶ Funding is tight... Grant \$, Capital and OpEx budgets
- ▶ More people / layers of approval (C-Suite) requires more time AND up-front work,

Evacuation Readiness – Best Practice

- ▶ Utilize a Data Driven Assessment Process ...
 - Facility based assessment using your data, protocols and facility layout requirements
 - Equipping each unit with the appropriate quantity and mix of emergency evacuation equipment to meet their unique requirement
 - Consensus Driven: Emergency Management, Nurse Managers, Unit Nurses, Facilities, Safety, Executive Team
 - Facility / Unit specific data (Building / Unit Floor Plans, Evacuation Exits)
 - Facility's / Health System Evacuation Protocols / Standards

Med Sled® Can Help

Deliverables

1. Current State – Equipment Deployment (inventory) by Unit, Floor, Building, Campus and System
2. Unit Level Equipment Needs ... data driven
3. Gap Analysis – Strategic planning tool to drive future investments
4. Equipment Mix & Deployment Plan – By unit, building, campus, system
5. System Wide Risk Assessment – Build from the Unit up

We are currently in this process with Orlando Health, Nemours Children's Hospital,

Evacuation Lessons Learned

"It is critical to prepare your facility for the worst case scenario.

There are many lessons we have learned from catastrophes like Hurricane Katrina, the Joplin tornado and now Super Storm Sandy.

Our job as emergency preparedness professionals is to apply these lessons to our plans

Kristen Stevens
Director – Emergency
NYU – Langone



NYU – Langone – Super Storm Sandy

Conclusion

- **We Have Learned Many Lessons**
- **The Challenge ... Applying the Lessons Learned**
 - Change your paradigm: It is not a matter of IF ... but WHEN
 - Never develop plans based on a “that will never happen to us” assumptions
 - When you plan, train or run a drill ... Base them on realistic scenarios ... “Plan for the Worst event that you can imagine”
 - Having Enough of the Right equipment in the Right locations is paramount
 - Equipment can dictate your success in a crisis
 - Interdependencies between Hospitals and First Responders is a critical element of your Area wide planning ...

Questions?

Emergency & Disaster Planning



Can You Ever Be Too Prepared?

Well Maybe ...

Your job is a very difficult one...

“... is to prepare thoroughly at times when it seems nothing could go wrong.”

Jeff Hamilton, Director EP – St. John's Mercy

If you over prepare ... you waste money

If you under prepare ... you risk lives

N O O N E L E F T B E H I N
BACK UP MATERIAL

Med Sled Training Program

Med Sled Offers Four(4) Tiers of Training

1. On Site / Hands On *Train the Trainer* Training
2. Computer Based Training – three training videos
 - Adolescent/Adult Sled Training
 - Infant / Toddler Sled Training
 - NICU Evacuation Basket and Rack System
3. Live Webinar Based Training
4. Written / Pictographic Just-in-Time Instructions

Train the Trainer Training Program

Standardize Process

- ▶ **Duration:** 75 Min
- ▶ **Attendees:**
 - Targeted Attendees – Employees that will have the responsibility to train others
 - # of Attendees Per Class: 6 to 10 “Active” Participants
- ▶ **Training Objectives:**
 - All participants understand evacuation protocols, process and the use of the Med Sled® Evacuation Sled
 - Participants will return to their facility to:
 - Ensure Med Sled® evacuation sleds are incorporated into the facilities evacuation plans / protocols
 - Ensure the Med Sled Evacuation Sled are deployed
 - Conduct *Train the Trainer* Training classes for other targeted “Super Users”
- ▶ **Training Tools:**
 - Use of In-Patient Room w/ Functioning Bed with sheets/pillows
 - Room on 2nd or higher floor to practice stairway descent (Prefer conducting training from In-Patient room if available)

Access to usable stairwell exit (prefer a protocol evacuation exit)

Med Sled Training Program

Agenda

- **Introduction / Training Kick Off (~15 Min)**
 - Training Objective / Key Deliverables
 - Expectations Post Training
 - Product Review
 - Protocol Review
- **Hands on Training (45 min)**
 - Each participant must perform each roll (Patient, Clinician, Stairwell Sender, Stairwell Receiver)
 - Exercise focuses on 4 Step Process
 - Sled Deployment & Patient Loading
 - Bed to Floor Transition & Proper Drag Techniques
 - Vertical Descent (Sender & Receiver)
 - “*Evacuation Ready*” Sled Put Away
- **Debrief (15 Min)**
 - Review 4 step process, expectations ...
 - Open discussion / Q&A...
 - Next steps ... Training Others

Med Sled® Evacuation Readiness Assessment Services ...

Options:

1. Area Wide (System Assessment)
2. Individual Hospital / Campus Assessment



1. System/Coalition Assessment

Multiple Approaches / Level Of Work

A. Electronic Survey to Capture Facility Specific Data



Emergency Evacuation Equipment Needs Assessment Hospital Patient Care Survey

Facility Name:
Title:
Contact Person:
Phone #:
Email:

In-Patient Care - Number of Overnight Beds: Please provide the average daily census (ADC) for the following in-patient/overnight beds.

- A. # of ADC Acute Care (Gen Medical, Psych, ...) Beds:
B. # of ADC Specialty/Surgical Units (Neuro, Orthopedic, Telemetry, Cardio, Geriatric...) Beds:
C. # of ADC ICU/Hospice/Step-Down Beds:
D. # of ADC Pediatric ICU/Step-Down Beds:
E. # of ADC NICU Beds:
F. # of ADC Well Baby / Nursery Beds:
G. Total Hospital ADC:
Note: Total Hospital ADC (G) should equal the total of the In-Patient beds (A through F)

In Patient Care - Long Term Care / Skill Nursing Beds Provide the average daily census (ADC) for separate facilities that fall under your responsibility or connected to your hospital.

- A. # of ADC Long Term Care Beds:
B. # of ADC Skilled Nursing Beds:
C. # of ADC Memory Management Beds:
D. Total ADC Senior Care Beds:
Note: Total Senior Care (D) represents the ADC of In-Patient Senior Care Beds (A through C)

Patient Care Area Information: Provide the average # of patients in the area during a "peak" hour of the day

- A. # of OR (Inpatient & Same Day Surgery) Patients during the Peak Hour:
B. # of PACU Patients during the Peak Hour:
C. # of Rehab / Clinics Patients during the Peak Hour:
D. # of Special Treatment Patients during the Peak Hour (Dialysis, Chemo, Endo/Colonoscopy, ...):
E. # of Emergency Room Patients during the Peak Hour:
F. Total # of Patients in key Patient Care Areas during their Peak Hours:
Note: Total Patients during the area's peak hours (F) represents the total number of patients in Care Areas (A through E) where evacuation equipment will be needed.

If you would like to save your survey prior to submitting, select **File** in the menu bar, **Save As** and follow the instructions.

When you have completed the survey, click on the **SUBMIT** button at the bottom of the page to submit your survey.

Hospital		Hosp ADC	Evacuation Devices								Storage Devices							
			MS28	MS36	MS48	INF3	TOD2	Evac Baskets	EB Racks	EB System	Other	SD4	SD10	SDB2	SDB6	SDINF2	SDEB6R	Other
	Assessed	80	0	23	28	0	0	0	0	0	0	6	0	4	3	0	0	0
	Current		1	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	15	26	0	0	0	0	0	0	6	0	4	3	0	0	0
	Assessed	200	1	50	85	9	0	16	3	3	0	10	0	9	12	4	3	0
	Current		1	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	29	80	9	0	16	3	3	0	10	0	9	12	4	3	0
	Assessed	299	0	80	81	14	0	25	4	4	0	17	1	9	10	7	4	0
	Current		1	33	3	2	2	6	1	1	0	0	0	0	0	2	1	0
	Gap		0	47	78	12	0	19	3	3	0	17	1	9	10	5	3	0
	Assessed	144	1	43	42	2	0	0	0	0	0	9	0	7	5	1	0	0
	Current		1	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	32	40	2	0	0	0	0	0	9	0	7	5	1	0	0
	Assessed	20	0	5	1	0	0	0	0	0	0	1	0	1	0	0	0	0
	Current		2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	Assessed	110	0	26	7	0	0	0	0	0	0	7	0	3	0	0	0	0
	Current		0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	24	5	0	0	0	0	0	0	7	0	3	0	0	0	0
	Assessed	172	3	48	52	2	0	5	1	1	0	11	0	8	6	1	1	0
	Current		1	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		2	32	49	2	0	5	1	1	0	11	0	8	6	1	1	0
	Assessed	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Current		3	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Assessed	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Current		1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Assessed	59	0	15	16	2	0	0	0	0	0	3	0	1	2	1	0	0
	Current		1	13	3	2	1	0	0	0	0	0	0	0	0	2	0	0
	Gap		0	2	13	0	0	0	0	0	0	3	0	1	2	0	0	0
	Assessed	245	0	60	16	0	0	0	0	0	0	15	0	7	0	0	0	0
	Current		1	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gap		0	39	11	0	0	0	0	0	0	15	0	7	0	0	0	0
	Assessed	73	0	19	27	2	0	0	0	0	0	4	0	2	3	1	0	0
	Current		1	7	1	1	1	0	0	0	0	0	0	0	0	1	0	0
	Gap		0	12	26	1	0	0	0	0	0	4	0	2	3	0	0	0
	Assessed	4,429	66	1,131	1,112	56	6	160	27	27	0	265	2	159	131	28	27	0
	Current		59	459	137	26	19	45	4	27	0	10	5	1	0	18	4	0
	Gap		29	688	982	33	6	127	25	25	0	255	2	158	131	13	25	0

Note: Assumed direct shipment to each facility. Shipping cost (based on historical purchases)

Training (5 Man Days)

\$11

1. System/Coalition Assessment

B. Self Assessment – Provides each facility guidelines and a tool to complete... Feeds Coalition Summary

					Evacuation Devices								Storage Devices																			
Hospital		Assessed	Hosp ADC	MS28	MS36	MS48	INF3	TOD2	Evac Baskets	EB Racks	EB System	Other	SD4	SD10	SDB2	SDB6	SDINF2	SDEB6R	Other	Cost												
North Carolina Hospital's Group Purchase Planning Tool																																
Facility Name																																
Contact Name																																
Contact Phone #																																
Contact Email Address																																
Patient Specialty		Assumed % Non Ambulatory **	Bed Capacity	Average Daily or Peak Census	Assumed # of Non Ambulatory Patients	MS36	MS48	Well Baby Package	Evac Basket & Rack System	SD4	SDB6	SDINF3																				
Acute Care / Med Surg		35%			0	0	0			0	0																					
Critical Care		90%			0	0	0			0	0																					
Specialty Care (Tele, Ortho, Neuro, etc)		70%			0	0	0			0	0																					
Perinatal		30%			0	0	0			0	0																					
Psych		25%			0	0	0			0	0																					
OR/PACU/Pre OP		90%			0	0	0			0	0																					
Pediatrics		25%			0	0	0			0	0																					
Well Baby / Nursery		100%			0	0		0				0																				
NICU		100%			0				0																							
Long Term Care/Rehab / Geriatric		50%			0	0	0			0	0																					
Totals			0	0	0	0	0		0	0	0	0																				
To be filled in by Facility																																
Calculated Fields / Protected																																
Blank Fields																																
<p>** Emergency Evacuation Definition of a Non Ambulatory Patient: An individual that cannot safely evacuate themselves potentially over debris filled hallways, down stairs and out of the building in a timely fashion without assistance and without posing a risk to themselves or other. If they cannot evacuate themselves from the building quickly and without risk to others, they would be considered Non Ambulatory.</p> <p><i>estimated to be between 6% to 8% of the product cost.</i></p>																																
<table border="1"> <thead> <tr> <th colspan="2">Training (5 Man Days)</th> <th colspan="2">Shipping (Assume 6% to 8% of Cost)</th> <th colspan="2">Total</th> </tr> </thead> <tbody> <tr> <td>11,875</td> <td>\$0</td> <td>7%</td> <td>\$52,033</td> <td></td> <td>\$919,242</td> </tr> </tbody> </table>																					Training (5 Man Days)		Shipping (Assume 6% to 8% of Cost)		Total		11,875	\$0	7%	\$52,033		\$919,242
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11,875	\$0	7%	\$52,033		\$919,242																											

1. System/Coalition Assessment

C. Use AHD Data to Drive Assessment – Rolls up to Coalition summary

			Evacuation Devices									Storage Devices							
Hospital		Hosp ADC	MS28	MS36	MS48	INF3	TOD2	Evac Baskets	EB Racks	EB System	Other	SD4	SD10	SDB2	SDB6	SDINF2	SDEB6R	Other	Cost
	Assessed	80	0	23	28	0	0	0	0	0	0	6	0	4	3	0	0	0	
	Current		1	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	15	26	0	0	0	0	0	0	0	6	0	4	3	0	0	
	Assessed	200	1	50	85	9	0	16	3	3	0	10	0	9	12	4	3	0	
	Current		1	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	29	80	9	0	16	3	3	0	10	0	9	12	4	3	0	

		Overnight Beds																Patient Care Areas									
		Acute Care			Specialty Care / Surgical Unit			ICU / Step Down		Pediatric ICU / Step Down				NICU		Well Baby		OR		PACU		Rehab/Clinics			Special Treat		
NA Rate	30%	50%			100%		100%				100%		100%		50%		75%		25%			25%					
Hospital	Hosp ADC*	ADC Beds	MS36	MS48	ADC Beds	MS36	MS48	ADC Beds	MS48	ADC Beds	MS28	MS36	MS48	ADC Beds	EB Syste m	ADC Beds	INF3 System	Peak Occup	MS48	Peak Occup	MS48	Peak Occu p	MS36	MS48	Peak Occu p	MS36	
Hospital #1	80	60	14	4	20	7	3	0	0	0	0	0	0	0	0	0	0	28	14	10	8	0	0	0	6	1	
Hospital #2	200	0	0	0	107	37	16	44	44	6	1	4	1	16	3	27	9	30	15	12	9	0	0	0	20	4	
Hospital #3	299	186	45	11	18	6	3	29	29	0	0	0	0	25	4	41	14	40	20	18	14	74	15	4	50	10	
Hospital #4	248	165	40	10	0	0	0	83	83	0	0	0	0	0	0	0	0	40	20	18	14	0	0	0	34	7	
Hospital #5	570	400	96	24	20	7	3	30	30	75	15	45	15	20	3	25	8	10	5	15	11	0	0	0	0	0	
Hospital #6	127	68	16	4	30	11	5	29	29	0	0	0	0	0	0	0	0	10	5	11	8	12	2	1	8	2	
Hospital #7	46	32	8	2	4	1	1	10	10	0	0	0	0	0	0	0	0	8	4	8	6	20	4	1	8	2	
Hospital #8	962	98	24	6	229	80	34	258	258	229	46	137	46	94	16	54	18	45	23	40	30	151	30	8	15	3	
Hospital #9	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	4	1	6	1	
Hospital #10	144	39	9	2	81	28	12	16	16	3	1	2	1	0	0	5	2	6	3	10	8	8	2	0	5	1	
Hospital #11	20	20	5	1		0	0		0		0	0	0		0		0		0		0		0	0		0	
Hospital #12	134	134	32	8		0	0		0		0	0	0		0		0		0		0		0	0		0	
Hospital #13	172	64	15	4	58	20	9	24	24	16	3	10	3	5	1	5	2	15	8	6	5	0	0	0	4	1	
Hospital #14	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hospital #15	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hospital #16	59	45	11	3	0	0	0	6	6	2	0	1	0	0	0	6	2	8	4	3	2	4	1	0	3	1	
Hospital #17	270	270	65	16		0	0		0		0	0	0		0		0		0		0		0		0	0	
Hospital #18	317	317	76	19		0	0		0		0	0	0		0		0		0		0		0	0		0	
Hospital #19	245	245	59	15		0	0		0		0	0	0		0		0	29	0		0		0	0		0	
Hospital #20	73	58	14	3	0	0	0	8	8	0	0	0	0	0	0	7	2	15	8	10	8	14	3	1	5	1	

1. System/Coalition Assessment

Delivers:

1. Higher level assessment of each facilities equipment needs
2. Current equipment deployed by facility
3. Equipment Mix Analysis
4. Facility & Coalition Gap Analysis
5. Cost to close the gap by facility
6. Individual Facility / Campus Assessment

Readiness Assessment Process

3 Step Process

Individual Facility Readiness Assessment Process

Step 1: Information Gathering / Establish Standards

Work with the EP Manager to gather hospital floor plans, unit details, patient census data and facilitate consensus on hospital specific assumptions.

Hospital Evacuation Equipment - Needs Assessment - Example

Data Collection. We work with the EP Coordinator to develop non ambulatory percentages. To do this we take into account your hospital's unique and specific hospital information. This includes:

- Facilities layout
 - # buildings
 - # exterior exits point
 - Facilities design / fire breaks / exits ...
- Occupancy Rates
 - # of beds by patient care
 - Non ambulatory estimates by patient care
 - Staff size ...
- Hospital visitors

* This step typically takes ~30 min ... 1 to 2 hours for large complexes

Non Ambulatory Consensus Development: Once this is completed, we will work with you to develop a consensus on the non ambulatory rate assumptions by patient care classifications. Below is a **first pass** at the non ambulatory rates. We need to discuss this further to develop a consensus on the percentages.

Bed Classification Assumptions	% Non Ambulatory	Hospital 1
ICU	100%	100%
PACU	100%	100%
OR / Trauma	100%	100%
Labor & Delivery	50%	75%
New Mothers	50%	50%
Neonatal (3 Infants / Sled)	30%	30%
Cardio / Tele	30%	30%
Orthopedic	30%	75%
NICU (3/sled)	30%	30%
PICU (6 months - 2 Yrs)	100%	100%
Med Surge	30%	30%
Respiratory	50%	50%
Oncology	50%	50%
Neurosciences (EEG, Radiology)	30%	30%
Hospice	100%	75%
Radiology/Nuclear Med/Imaging	2/Exit	2/Exit
Rehab / Physical Therapy	30%	50%
Psychiatric - Adolescent	2/Exit	2/Exit
Psychiatric - Adult	2/Exit	2/Exit
Psychiatric - Elderly	75%	75%
Wound Care	50%	50%
Emergency (Exit)	1	2

Higher ... on 12th floor

Specialize in Knee and Hip Replacement

Floor by Floor Survey: We will work with you to complete a floor by floor survey (# of beds by patient care).

Beds	Floor Descr	Sleds
0		0
Exits	# of Beds by coverage requirement	

Calc: Total # of Beds on the floor
 Calc: Total # of sleds required
 Entered: # beds at ... 100%
 Entered: # beds at ... 75%
 Entered: # beds at ... 50%
 Entered: # beds at ... 30%
 Entered: # of Sleds per exits 1

* We complete this step and provide the analytics for your review. You can review the assumptions and the # of beds to evaluate various what if scenarios.

* This step is completed by the EP Manager. We will facilitate the discussion using national and our experience completing the assessment for our customers. ARC Products has over 1,000 health care customers.

Assessment – Main Hospital Building

Floor #	North Wing (900, 920, 940)	Central Wing (700, 800)	South West Wing (300)	South Central Wing (400)	South East Wing (500)	East End Wing (600)
10	Step 2: Complete Individual Hospital Needs Analysis Applying the hospital's specific information and assumptions the evacuation equipment needs analysis is completed ... Floor by floor by patient unit					
9	Exits 3 23 # of Beds by coverage requirement Beds Spine Post Op 8 Sleds 26 Med Surg 9 / Med Surg 9 20					
8	Exits 3 26 # of Beds by coverage requirement Beds Joint Replacement Center Sleds 17 Ortho 5/6/6 17					
7	Exits 3 17 # of Beds by coverage requirement Beds 2 per Exit Sleds 0 Adult 24 & Adol Psych 12 6					
6	Exits 3 # of Beds by coverage requirement Beds 0 Offices / Support Staff 2 3					
5	Exits 3 # of Beds by coverage requirement Beds Epilepsy Care 8 / 4 Dialysis Sleds 28 Neuro Step-Down 8&8 13					
4	Exits 3 4 16 8 # of Beds by coverage requirement Beds 23 ICU 8, 8, 7 23 3 23 Pre & Post Op 19 Sleds 28 9 ORS 28					
3	Exits 3 28 # of Beds by coverage requirement Beds Support Services / OP Rehab Sleds 0 Catering / Kitchen 1 1					
2	Exits 1 # of Beds by coverage requirement Beds 0 ER & imaging 4 2 IT / Staff Support 1 1					
1	Exits 1 # of Beds by coverage requirement Beds 0 Staff Support Sleds 0 Engineering / Maint 1 1 Support Staff 1 1					
	North Wing (900, 920, 940) Beds 145 Patient Care Bed Totals 131 91 30 16 8 # of Beds by coverage requirement	Central Wing (700, 800) Beds 9 Patient Care Bed Totals 16 9 0 0 0 # of Beds by coverage requirement	South West Wing (300) Beds 40 Patient Care Bed Totals 27 0 22 8 10 # of Beds by coverage requirement	South Central Wing (400) Beds 40 Patient Care Bed Totals 24 8 0 22 10 # of Beds by coverage requirement	South East Wing (500) Beds 45 Patient Care Bed Totals 22 0 0 3 25 20 # of Beds by coverage requirement	East End Wing (600) Beds 43 Patient Care Bed Totals 32 9 0 34 0 # of Beds by coverage requirement

This step of the process is Med Sled Specific. In this step we identify the appropriate mix of devices, storage units and a process to identify the optimal storage locations

					Evacuation Sleds			Pediatric Evacuation Equipment			Storage Devices				Total Cost	
					Standard Sled MS36	Bariatric Sled MS48	Total Sleds	TOD2 Pack (Evac 4 Toddlers)	INF6 Pack (Evac 12 Infants)	NICU Package (6 EB, 1 Rack w/SD)	SD4 (Holds 4 Standard Sleds)	SD10 (Holds 10 Standard Sleds)	SDB2 (Holds 2 Bariatric Sleds)	SDB6 (Holds 6 Bariatric Sleds)		
Floor #	North Wing (900, 920, 940)															
7	Beds	Spine Post Op 8			Sleds											
	26	Med Surg 9 /Med Surg 9			20											
	3	0	26	0	0	14	6	20		0	0	3	0	3	0	26
	Exits	# of Beds by coverage requirement				\$5,110	\$2,370	\$7,480	\$0	\$0	\$0	\$690	\$0	\$675	\$0	\$8,845
6	Beds	Joint Replacement Center			Sleds											
	17	Ortho 5/6/6			17											
	3	17	0	0	0	13	4	17		0	0	3	0	2	0	22
	Exits	# of Beds by coverage requirement				\$4,745	\$1,580	\$6,325	\$0	\$0	\$0	\$690	\$0	\$450	\$0	\$7,465
5	Beds	2 per Exit			Sleds											
	0	Adult 24 & Adol Psych 12			6											
	3	0	0	0	0	4	2	6		0	0	1	0	1	0	8
	Exits	# of Beds by coverage requirement				\$1,460	\$790	\$2,250	\$0	\$0	\$0	\$230	\$0	\$225	\$0	\$2,705
4	Beds	Epilepsy Care 8 / 4 Dialysis			Sleds											
	28	Neuro Step-Down 8&8			13											
	3	0	4	16	8	9	4	13		0	0	1	0	2	0	16
	Exits	# of Beds by coverage requirement				\$3,285	\$1,580	\$4,865	\$0	\$0	\$0	\$230	\$0	\$450	\$0	\$5,545
3	Beds	ICU 8, 8, 7			Sleds											
	23				23											
	3	23	0	0	0	0	23	23		0	0	0	0	4	4	27
	Exits	# of Beds by coverage requirement				\$9,085	\$9,085	\$9,085	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$10,085

Assessment – Unit & Building Summary

Evacuation Ready – Facility Summary

Hospital Campus - Facilities Summary

North Wing (900, 920, 940)					Central Wing (700, 800)				
Beds					Beds				
145	Patient Care Bed Totals				9	Patient Care Bed Totals			
	91	30	16	8		9	0	0	0
	# of Beds by coverage requirement					# of Beds by coverage requirement			

South Central Wing (400)					South East Wing (500)					East End Wing (600)				
Beds					Beds					Beds				
40	Patient Care Bed Totals				40	Patient Care Bed Totals				43	Patient Care Bed Totals			
	0	22	8	10		8	0	22	10		9	0	34	0
	# of Beds by coverage requirement					# of Beds by coverage requirement					# of Beds by coverage requirement			

Garden View					Children's Hospital					West End & Sky Tower				
Beds					Beds					Beds				
0	Patient Care Bed Totals				0	Patient Care Bed Totals				25	Patient Care Bed Totals			
	0	0	0	0		0	0	0	0		0	0	5	20
	# of Beds by coverage requirement					# of Beds by coverage requirement					# of Beds by coverage requirement			

Note: Grayed out lettering represent Children's Hospital areas not included in this analysis.

Building /Wing Name					Building /Wing Name					Building /Wing Name				
Beds					Beds					Beds				
4	Patient Care Bed Totals				0	Patient Care Bed Totals				0	Patient Care Bed Totals			
	0	0	0	4		0	0	0	0		0	0	0	0
	# of Beds by coverage requirement					# of Beds by coverage requirement					# of Beds by coverage requirement			

Breakdown By Defined Area

Campus Total					Patient Overnight Bed Totals					Patient Care Area Totals				
Beds					Beds					Beds				
359	Patient Care Bed Totals				305	Patient Care Bed Totals				54	Patient Care Bed Totals			
	125	52	110	72		71	52	110	72		54	0	0	0
	# of Beds by coverage requirement					# of Beds by coverage requirement					# of Beds by coverage requirement			

* Bed count represents the total # of

* Bed count represents the average # of patients in

Provides Equipment Needed by Wing, by Building
& by Area Classification (Inpatient, Patient Care, Support/Ofc)

Med Sled® Support

Evacuation Ready – Cost Summary

	Evacuation Sleds			Pediatric Evacuation Equipment			Storage Devices					Total \$ (W/ QD)
	Standard Adult Sled	Bariatric Sled	Total Sleds	TOD2 Pack (Evac 4 Toddlers)	INF6 Pack (Evac 12 Infants)	NICU Package (6 EB, 1 Rack w/SD)	SD4 (Holds 4 Standard Sleds)	SD10 (Holds 10 Standard Sleds)	SDB2 (Holds 2 Bariatric Sleds)	SDB6 (Holds 6 Bariatric Sleds)	Training (# of Full Day)	
Main Hospital Building	134	118	252	0	0	0	20	1	19	14		\$108,175
West Tower Bldgs	12	9	21	0	2	0	1	0	1	1		\$12,210
Hospital Support Bldgs	30	8	38	0	0	0	0	0	0	0		\$14,110
Evacuation Readiness Equip Total	176	135	311	0	2	0	21	1	20	15	2	\$134,495
Cost to Close Gap (MSRP)	\$69,520	\$57,375	\$126,895	\$0	\$3,600	\$0	\$5,040	\$290	\$4,700	\$3,900	\$6,900	\$151,325
Cost to Close Gap (w/ QD Discount)	\$64,240	\$53,325	\$117,565	\$0	\$3,570	\$0	\$4,830	\$280	\$4,500	\$3,750	\$0	\$134,495
Savings	\$5,280	\$4,050	\$9,330	\$0	\$30	\$0	\$210	\$10	\$200	\$150	\$6,900	\$16,830

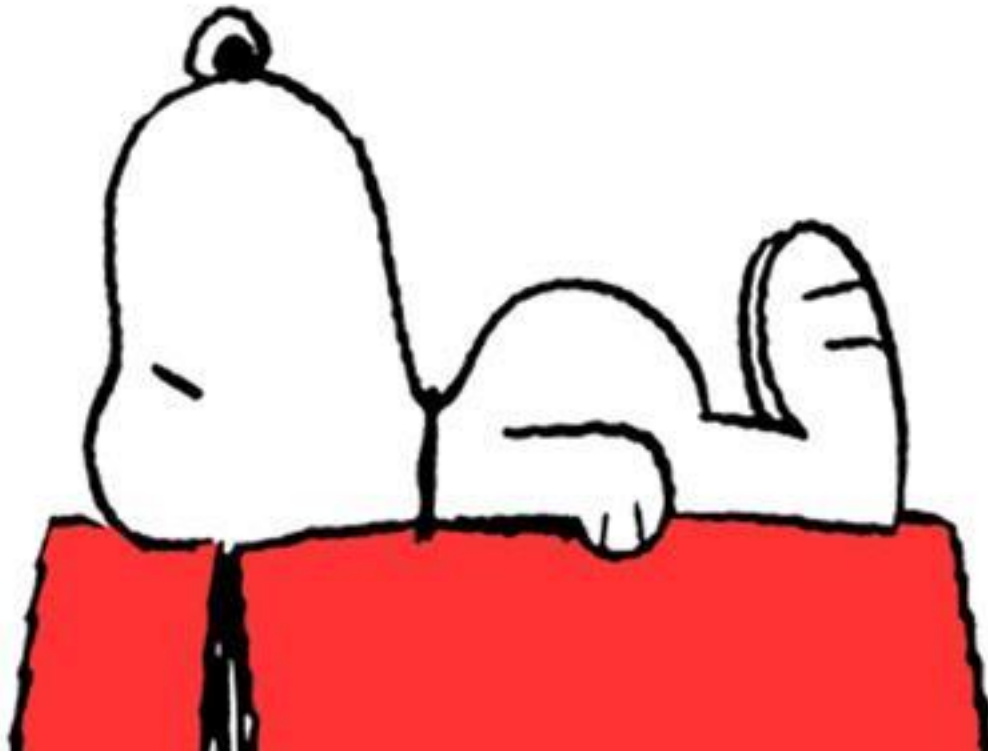
System / Coalition Assessment Summary

			Evacuation Devices									Storage Devices							Cost
Hospital		Hosp ADC	MS28	MS36	MS48	INF3	TOD2	Evac Baskets	EB Racks	EB System	Other	SD4	SD10	SDB2	SDB6	SDINF2	SDEB6R	Other	
	Assessed	80	0	23	28	0	0	0	0	0	0	6	0	4	3	0	0	0	\$18,168
	Current		1	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	15	26	0	0	0	0	0	0	6	0	4	3	0	0	0	
	Assessed	200	1	50	85	9	0	16	3	3	0	10	0	9	12	4	3	0	\$62,530
	Current		1	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	29	80	9	0	16	3	3	0	10	0	9	12	4	3	0	
	Assessed	299	0	80	81	14	0	25	4	4	0	17	1	9	10	7	4	0	\$72,650
	Current		1	33	3	2	2	6	1	1	0	0	0	0	0	2	1	0	
	Gap		0	47	78	12	0	19	3	3	0	17	1	9	10	5	3	0	
	Assessed	144	1	43	42	2	0	0	0	0	0	9	0	7	5	1	0	0	\$32,058
	Current		1	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	32	40	2	0	0	0	0	0	9	0	7	5	1	0	0	
	Assessed	20	0	5	1	0	0	0	0	0	0	1	0	1	0	0	0	0	\$718
	Current		2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
	Assessed	110	0	26	7	0	0	0	0	0	0	7	0	3	0	0	0	0	\$12,702
	Current		0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	24	5	0	0	0	0	0	0	7	0	3	0	0	0	0	
	Assessed	172	3	48	52	2	0	5	1	1	0	11	0	8	6	1	1	0	\$40,425
	Current		1	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		2	32	49	2	0	5	1	1	0	11	0	8	6	1	1	0	
	Assessed	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
	Current		3	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Assessed	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
	Current		1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Assessed	59	0	15	16	2	0	0	0	0	0	3	0	1	2	1	0	0	\$6,760
	Current		1	13	3	2	1	0	0	0	0	0	0	0	0	2	0	0	
	Gap		0	2	13	0	0	0	0	0	0	3	0	1	2	0	0	0	
	Assessed	245	0	60	16	0	0	0	0	0	0	15	0	7	0	0	0	0	\$22,804
	Current		1	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gap		0	39	11	0	0	0	0	0	0	15	0	7	0	0	0	0	
	Assessed	73	0	19	27	2	0	0	0	0	0	4	0	2	3	1	0	0	\$16,718
	Current		1	7	1	1	1	0	0	0	0	0	0	0	0	1	0	0	
	Gap		0	12	26	1	0	0	0	0	0	4	0	2	3	0	0	0	
Coalition Totals	Assessed	4,429	66	1,131	1,112	56	6	160	27	27	0	265	2	159	131	28	27	0	\$867,209
	Current		59	459	137	26	19	45	4	4	0	10	5	1	0	18	4	0	
	Gap		29	688	982	33	6	127	25	25	0	255	2	158	131	13	25	0	

Note: Assumed direct shipment to each facility. Shipping cost (based on historical purchases) estimated to be between 6% to 8% of the product cost.

Training (5 Man Days)		\$11,875	\$0
Shipping (Assume 6% to 8% of Cost)		7%	\$52,033
Total			\$919,242

Break



Lessons Learned from Stoneman Douglas (Parkland): Kelly Keyes, Emergency Preparedness Manager, Broward Health

Sculpting by Manuel Oliver whose son Joaquin, 17, was killed in the mass shooting at Marjory Stoneman Douglas High School in Parkland, Florida.



Sue Woodward, Detective, St. Lucie Sheriff's Office

Active Shooter Tips & Resources



Judd Wright & Paul Womble, Blue Skies

Regional Best Practices/Lessons Learned in Alternate Care Sites:





Alternate Care Site Project

Phase II

TRENDS

TRENDS

▶ ACS Plans

- Not written or written as AMTS plan
 - Should be similar in format, specific to Counties assets.
- Not updated
- Non-exercised



TRENDS

► Training

- Conduct ACS Plan training
- Develop and conduct training for “staff assigned to ACS operations”.
- Touch the “stuff”



TRENDS

▶ ACS Staffing

◦ Challenge

- Non-traditional
- Out-of-State
- MOU's need to be in-place.

ORDER EARLY!!



TRENDS

All need to be careful assuming they can accomplish a task especially if they haven't done it before!

- ▶ EXERCISES
- ▶ Exercises
- ▶ exercises



To the CFDMC & the 9 Region 5 Counties





Dr. van Caulil

- ▶ **Other Announcements**
- ▶ **Next Meeting: December 13 (Viera)**
- ▶ **Meeting Evaluation (e-survey following meeting)**
- ▶ **Dementia Awareness Training (1:30 to 3:30 pm) – in person only**

CFDMC Meeting Sign-In Sheet

September 20, 2018

NAME	ORGANIZATION	EMAIL ADDRESS	PHONE
Karen Caulfield	FLHCC	Karen@fhcc.org	(407) 425-9500
Jeffrey Jenkins	Orlando Health	jeffrey.jenkins@orlandohealth.com	407 619 2220
Debbie Sweeney	Community Health	Dsweeney@chs-usa.org	407 595 4641
Tim Fulford	FCHC	tfulford@fchcinc.org	863 763 7481
Robyn Connor	FCHC	Rconnor@fchcinc.org	772 337 4000
Charlette Hayes	FCHC	chayes@fchcinc.org	772 461 1402 XT1800
Irene Torreggiani	FCHC	ITORREGGIANI@FCHCINC.ORG	772-335-8455
Milagros Perez	FCHC	MPerez MPerez@FCHCInc.org	772-408-2036
Kate Priest	Treasure Coast Hospice	KPriest@treasurehealth.org	772-577-8844
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Stacy Brock	DOH-Indian River	Stacy.brock@flhealth.gov	772-744-7479

Lisa Porzomek MHS Lisa.Porzomek@martinhealth.org 772-559-8930
 Don Medina SLECDM Don.Medina@martinhealth.org (772-559-8930)

CFDMC Meeting Sign-In Sheet

September 20, 2018

NAME	ORGANIZATION	EMAIL ADDRESS	PHONE
Valerie Risher	FOOH	Valerie.Risher@flhealth.gov	772 473 5195
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RAC MICHAEL BARTUS	FDLE	michaelbartus@fldle.state.fl.us	772-216-3531
Dave Freeman	CFRMC	dave@CFRMC.DISTRICT.ORG	321-231-9880
Paula Pass	FL Hospital	pass@flhosp.org	407-898 2845
Cheri Collins	"	Cheri.collins@flhosp.org	407-765-4156
Susan Nichols	Comm. Health Centers	s.nichols@chcfl.org	
Cory Landwehr	Comm. Health Centers	c.landwehr@chcfl.org	407-905-9827 ex 1068
BRIAN BURZAW	SLEFD	bburzaw@slcfl.org	

CFDMC Meeting Sign-In Sheet

September 20, 2018

NAME	ORGANIZATION	EMAIL ADDRESS	PHONE
Kurt Myers	SU Public Safety	myersk@su.luc.edu	772-462-8100
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Judd Wickett	Blue Skies	BlueSkiesPA@gmail.com	BSL-557-8876
Bob King	BSDS	blueskies.kissimmee@gmail.com	321.624.6140
Steve Wolff	Wolff	steve.wolff@wolff.com	772-223-6848
Chris Smilie	MCFR	cstabile@mcfr.com	352-396-3580
William Ritten	DAHL	william.ritten@flhealth.gov	386-271-0576
Melanie Black	DOH - Nurse		772-464-7378
Christine Canard	medical Examiner	Ccanard@rsc.edu	
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Bob McPartlan	DCF	robert.mcpartlan@myflfamilies.com	772-708-2900
Raymond Connor	FCR	RCOONR@fcrcinc.org	772 429 3400

Ed Brasing

EdOH Martin

Edmond Brasing Filtham, Lou

772 530 9830

9/20/18 CFDMC Meeting Webinar Attendees

Derek Webster, Consultate

Jennifer Seifert and April Walls, Restore Outpatient of Florida

Susan Skinner, Charles Bethune, Robert Maglievaz and Patricia Boswell, FDOH-Volusia

Avis Jenkins, Pinnacle

Kimberly Prosser, Brevard EM

Ivy Griffis, Fresenius Kidney Care Space Coast #7750

Jemima D. Desir, MD, MBA, Tampa General Hospital

Christen Stewart, Orlando Health Home Care

Erika Stewart, Harbor Place at Port St. Lucie

Jim Judge, Volusia EM

American Pride Home Care Services Corp

Darrold M. Gooley, RN, VITAS Healthcare

Sheri Blanton, District 9 ME

Wayne Struble, Health First

Becky Hale, **Halifax Health-Hospice**

Dacey Jones, CISM

John McPherson, Brevard EMS

Julia Eibiti

Jason Klein, Nemours

Lea Collins, RMAT & FCRT

Luis Hernandez, VA

Melyssa Callahan, Osceola Regiona

Merlee Meyers

Michael O'Malley

Greg Periva

Scott Fryberger, DOH Seminole

Eric Whitwam

April Walls

Ashley Fisher, Halifax
Avis Jenkins
B Steverson
Belinda Johnson-Cornett, Osceola FQHC
Camille Bissainte, Osceola FQHC
Christi Carberry, DOH-Brevard
Dean Traiger
Donna Walsh, DOH-Seminole
Elisabeth Torres
SEOC
Rebecca Hale
Hawthorne Jackson
Jennifer Bencie, DOH Manatee