

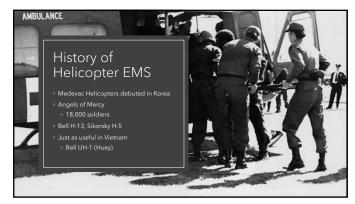


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Welcome

- · Katrina Solaro
- · Director of Safety
- REMSA/CF 19 years
- 。 Ground Paramedic, Community Health Paramedic
- Transitioned to Care Flight in 2016
- BS in Aeronautics with a Minor in Helicopter Operations and Safety
- Currently working on my MS in Human Factors











History of Care Flight cont.

- Saint Mary's Hospital awarded the certificate of need
- Jane Miller named the Chief Flight RN
- Name change
- Single aircraft program
 Staffing: One pilot, one RN
 Aerospatiale Alouette III
- First Flight was July 2, 1981

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FAA Part 135

- The Federal Aviation Administration defines believopter air ambulance operation as "In light, or sequence of flights, with a patient or medical personal on band, for the purposes of medical transportation, by a part 135 certificate holder authorized by the Administrator to conduct helicopter air ambulance operations" (14 CFR, §135.601, 2021).
 "This includes patient transport flights, repositioning flights once the patient has been dropped off at the destination hospital and terminating flight due to poor weather conditions (14 CFR, §135.601, 2021).

- ° Operates in Class G airspace ° Considered an uncontrolled airspace.
- In order to operate in Class G airspace, the pilot must follow visual meteorologic conditions.
 VFR conditions:

- ° VFR conditions:

 *Day −1,000-foot ceiling with 5 miles visibility

 *Night −1,500-foot ceiling with 5 miles visibility

 *Night −1,500-foot ceiling with 5 miles visibility

 *Care Tight's certificate holder is Air Methods (RW) and Life
 Tight Network (TW)

 *Pilots and Mechanics



Rotor Wing

- One pilot

- One patient
 Crew Configuration
 RN/RN or RN/medic
 Max altitude 20,000 feet
 Normally fly under 10,000 ft
- Non pressurized cabin
- CAMTS accredited since 2002 · Sole Responder status
- Search and Assists

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CF Rotor Wing Service Area

- 50,000 square miles throughout Northern California and Northern and Central Nevada.

- 150 miles from each base.
 4 RW Bases
 CF1: Fallon (Banner Churchill Hospital)
 CF2: Gardnerville (Carson Valley Medical Center)
 CF3: Truckee (Truckee Airport)
 CF4: Beckwourth (Nervino Airport)

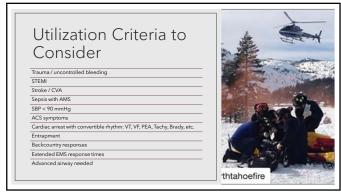
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Do I need a helicopter?

Benefits of a Helicopter

- o Critical Care providers.
- Expanded scope of practice including medications, interventions and equipment.
- Rapid transport to regional hospitals with specialty services.
- o Access to patients stranded in the back country.

- Limited EMS availability.
- ° Greater than 30-minute response time to Reno.
- neurological or surgical services.
- Assessment indicates need for critical care services.
- o Multiple patients/severely injured patients.





Requesting Care Flight cont. Please provide the following information Int Long "Degree, Minute, Second "Type of incident, known hazards (multiple vehicles, fuel, drone activity, etc.). Patient information including weight, age, sex, MOI/NOI. Stander of helicopters needed to the scene. Med change Ground Contact

Types of Requests

- Not on scene yet but there is a high index of suspicion a helicopter is needed.
- No transport capabilities.
- ° Any patient location information is helpful so pilots can put on enough fuel.
- o Call early.

- Confirmed patient that needs rapid transport and air ambulance resources have been requested by EMS/fire personal/law enforcement.
- o Witnessed change in the patient's condition.
- o Provide detailed location information and establish a secure landing zone (LZ).

Care Flight assumes all financial responsibility if requested and cancelled while enroute

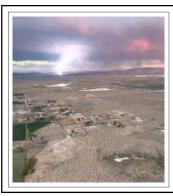
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When a Request is Made

- Request is made
 ACS tones out the closest helicopter.
 Pilot checks weather then will accept or decline the flight.

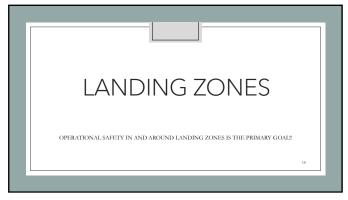
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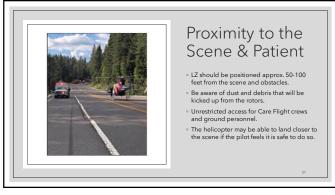
Weather

- Weather determines if a flight can be completed.
 Weather at base and on scene.

- Weather at tase and on scene.
 Weather can change quickly in our region.
 Mways consider local weather conditions when requesting an air ambulance.
 Consider changing the LZ or rendezvousing with the helicopter where the weather does not prevent the helicopter from landing.



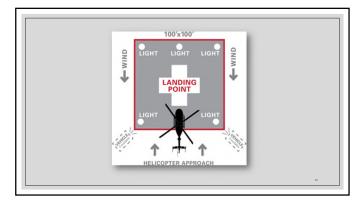




















LZ coordinator is in charge of managing the LZ as well as communicating with Care Flight pilot/crew.

May be an IC, fire personnel, EMS or law enforcement.

Familiar with HEMS safety and LZ procedures.

Utilize proper radio frequencies to communicate with CF: NEVCORD 1 or CALCORD.

Responsible for all radio communication with the helicopter during all phases of the operation.

Communicate any obstacles in the approach and departure path to Care Flight pilot/crew.

Delegates LZ placement, tail rotor guard and security.

Established Air to Ground Comms

When the helicopter is in sight, hail the pilot on the appropriate channel, NEVCORD 1 or CALCORD.

If the pilot sees the scene and has not yet heard from you, they will hail you.

When hailing the pilot, be brief: CF [#], this is [co responder agency], how do you copy?

CF utilizes UHF/VHF

If comms fail - utilize dispatch to relay messages.

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Communication/Report

- Keep the report specific, short, sweet and simple.
 Where to land (between the ambulance and fire engine).
- Any obstacles in the flight path or around the LZ(wires on the north side of the road, snow poles, etc.).
- Wind direction.
- · Slope of the surface.

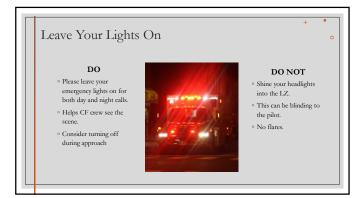
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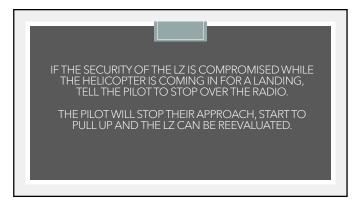


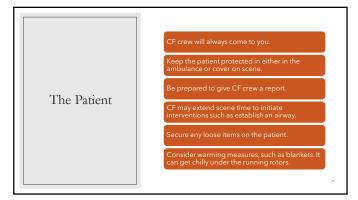
Night LZs

- CF crew members have been using NVGs since 2005
- Thoroughly inspect the LZ for any hazards prior to the helicopter arriving.
- Emergency lights help with identifying the scene from the air.
- ldentify all wires and relay that information to the pilot as part as your LZ report.











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The NO GO Zone

- $\circ\,$ NEVER approach the helicopter from behind.
- The tail rotor is rotating at a high rate of speed and can be difficult to see.
- Good rule of thumb, never go past the aft compartment after loading the patient.
- Exit how you entered.

