

Are You Prepared for an In- Flight Medical Emergency?

Tuesday, October 10, 2017 | 1:00 PM - 2:00 PM

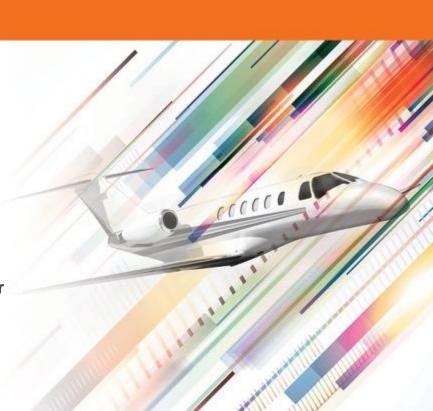
PRESENTED BY:

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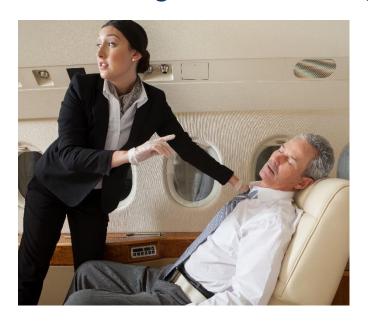
Diann Weaverling - MedAire





Medical Emergencies Happen Everyday

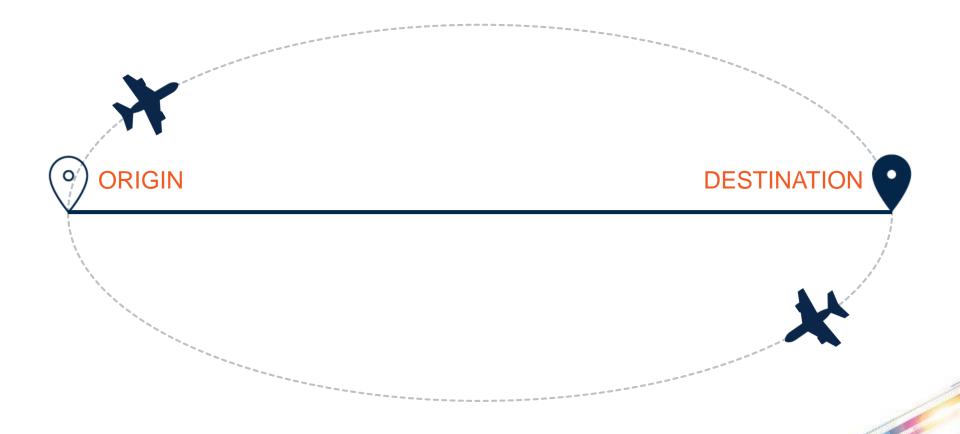
On average 29,000 in-flight medical events happen each year



- Beyond the possibility of in-flight emergencies, medical incidents happen while at the destination that can impact your return.
- Security incidents and natural disasters can also impact your mission, from overextended infrastructures in affected areas to threats to personal safety.
- Planning for many possible outcomes prepares you for the unexpected
 - Know the health history of your passengers/crew
 - Anticipate possible diversion points and research airports
 - Emergency response services
 - Nearby medical resources
 - Security threats (en route and on-the-ground)

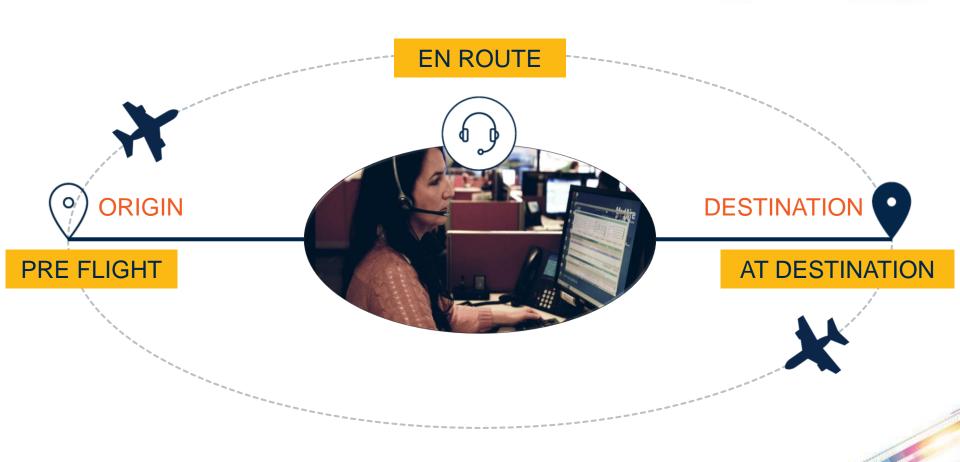
YOUR LIFE IS A CYCLE





3 POINTS OF MEDICAL INTERVENTION





Question:



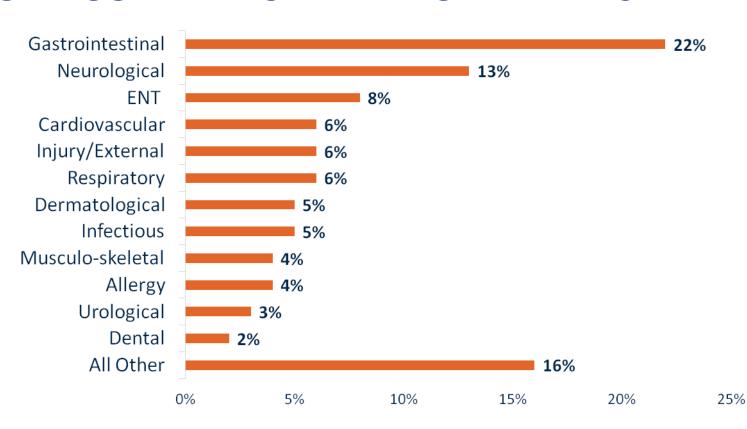
Have you ever had a medical issue for crew or passengers either **In-flight** or **On-the-Ground** (at destination)?

Answer:

- a) Yes, In-flight
- b) Yes, On-the-ground
- c) Yes, both In-flight and On-the-ground
- d) No, not yet



BUSINESS AVIATION IN-FLIGHT MEDICAL EVENTS





BUSINESS AVIATION IN-FLIGHT MEDICAL EVENTS

WHEN DO THEY OCCUR



Within the first 25% of flight time



less than 2500 miles from origin



33% of calls are from domestic flights

Question:



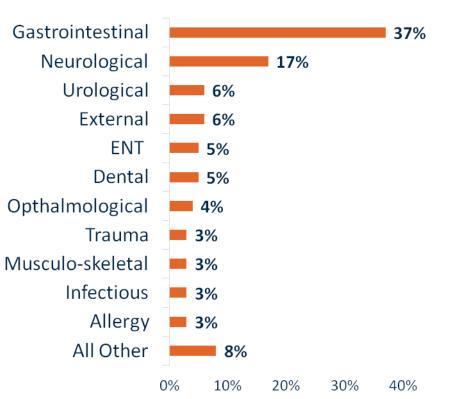
Gastrointestinal complaints are one of the major concerns flight crew members experience in-flight.

Answer:

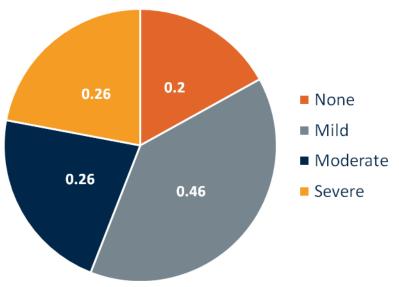
- a) True
- b) False



FLIGHT CREW IN-FLIGHT MEDICAL EVENTS









When a medical event impacts your mission

Pilot death at destination on international mission

Greg Kulis, Pilot | LBrands





Question:



<u>Drowning</u> causes more deaths to U.S. travelers than **<u>Vehicle Accidents</u>** when out of the country?

- a) True
- b) False



CAUSES OF DEATH WHILE TRAVELING





Cause of Death	
Vehicle Accident	3410
Homicide	2187
Suicide	1668
Drowning	1515
Other Accident	1470
Terrorist Action	358
Air Accident	349
Drug-Related	299
Disaster	166
Maritime Accident	127
Natural Disaster	38
Hostage Related	20





U.S. Department of State, Data from October 2002 to December 2016



Unscheduled Landings

Not only a logistical nightmare



- Medical events are not the only cause of diversion (i.e. Technical problems, weather issues, etc.)
- Before diverting, do you know:
 - Emergency Services support at diversion point?
 - Security concerns in the region near the airport, on the ground vs. overflight?
 - Entry and departure policies of the destination country?



Diverting to a high-risk destination

The closest option isn't always the safest

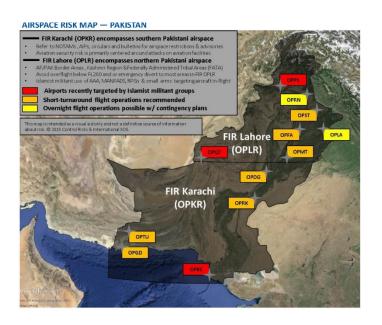


- When your passenger is ill, finding a medical facility or medical assistance is paramount
- What if the nearest facility is in a dangerous region? What about the best facility?
 - Does your flight plan include security information at possible diversion points?
 - Does your diversion plan monitor the differences in threats based on altitude?



Flying in high-risk air space

The most direct route isn't always the safest route

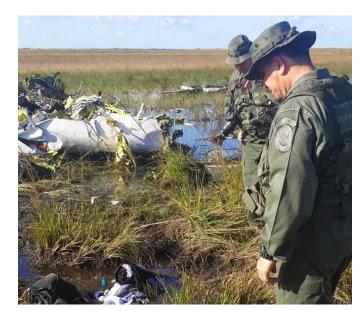


- What if the best facility requires flying or changing altitude over a dangerous region?
 - Does your diversion plan monitor the differences in threats based on altitude?
 - Can you provide a safe route around your threats while still providing emergent care for ill passengers and safe arrival of other passengers and crew?



Flying in high-risk air space

Venezuela



04 November 2014: Venezuelan Air Force Shoots Down Trespassing Plane

- 2013 'Law on Control for Comprehensive Aerospace Defense (LCCAD)' enacted to address 'control and integral protection of airspace', Since 2014, at least 13 civilian aircraft have been downed under the LCCAD.
- This underlines the need to obtain proper flight clearances prior to take-off and adhere to flight plans on routine operations.



Diverting while flying domestically

Familiarity with a region does not equal an understanding of the security environment

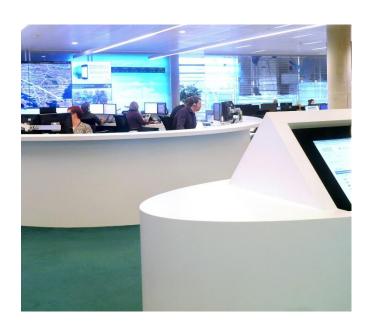


- What happens if a security incident impacts your destination?
 - Major Incidents can cause mass transit diversions, putting strain on smaller airports and local infrastructures



What to expect from ground based support

Whether Medical and/or Security assistance, what should you expect from a provider



- Review your checklist
- Ask the tough questions
- Don't hesitate to ask for an action plan to a complicated scenario
- Don't let the first time you contact your groundbased support happen during an emergency

Question:



Before a trip, the following actions could help to reduce medical & security risk management:

- 1) Research destination
- 2) Plan for emergencies before a trip
- 3) Train/practice for emergency situations
- 4) Understand available resources
- 5) All of the above



In conclusion

You can avoid diversion and interruptions to your missions

- Prepare for all possible outcomes research and plan
- Train regularly to ensure you can respond practice drills
- Rely on the support of ground-based assistance and other resources to help when the incident goes beyond your capabilities.



Questions?

Prepare for all possible outcomes

Train regularly to ensure you can respon-

Rely on the support of ground-based assistance to help when the incident goes beyond your capabilities.



