

WHICH AIRCRAFT DO I USE FOR AN AIR AMBULANCE MEDICAL TRANSPORT?



THERE ARE 2 TYPES OF AIR AMBULANCE AIRCRAFT USED FOR MEDICAL TRANSPORTS



Your medical situation and transport needs will help determine which aircraft you want. Factors include urgency, distance, level of comfort, and degree of medical care.

DIFFERENCES	ROTARY-WING (HELICOPTER)	FIXED-WING (AIRPLANE)
DROP-OFF LOCATION	Hospital	Airport (with ground ambulance to hospital)
PATIENT TYPE	Emergent, trauma, critical	Emergent/Non-emergent, critical
DISTANCE OF TRANSPORT	Short (under 350 miles)	Long (over 350 miles)
OWNED BY	Hospital, City/County EMS	Private Entity
COST	\$\$\$\$\$	\$\$\$\$

TYPES OF AIRCRAFT

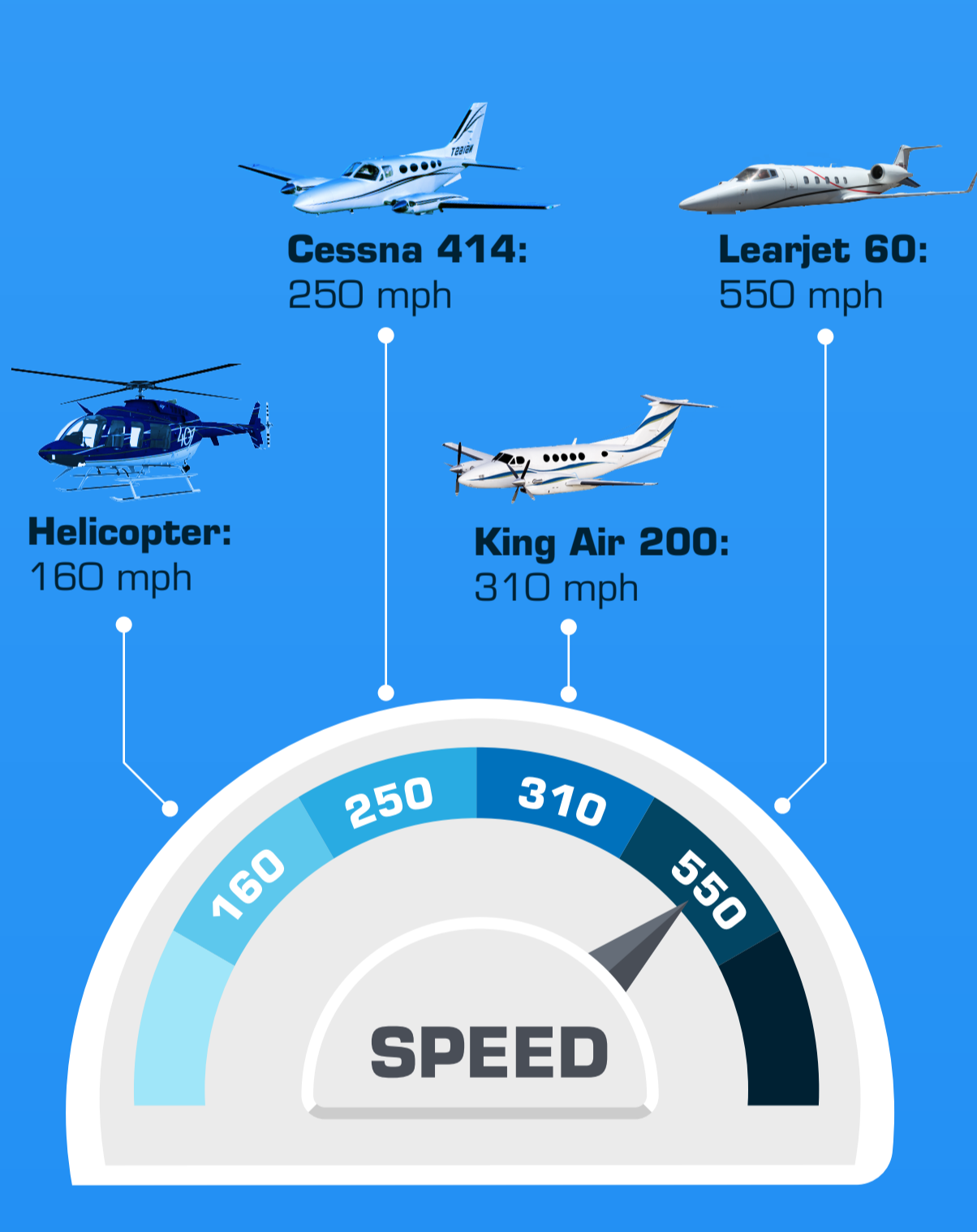
ROTOR WING	PROPELLER AIRCRAFT (PISTON ENGINE)	PROPELLER AIRCRAFT (TURBOPROP ENGINE)	JET AIRCRAFT (TURBOFAN ENGINE)
Bell 407	Cessna 414	King Air 200	Learjet 60

DISTANCE



SPEED

ALTITUDE



Learjet 60: 43,000 feet
(above adverse weather)

King Air 200: 30,000 feet
(through cumulonimbus adverse weather)

Cessna 414: 25,000 feet
(through cumulonimbus adverse weather)

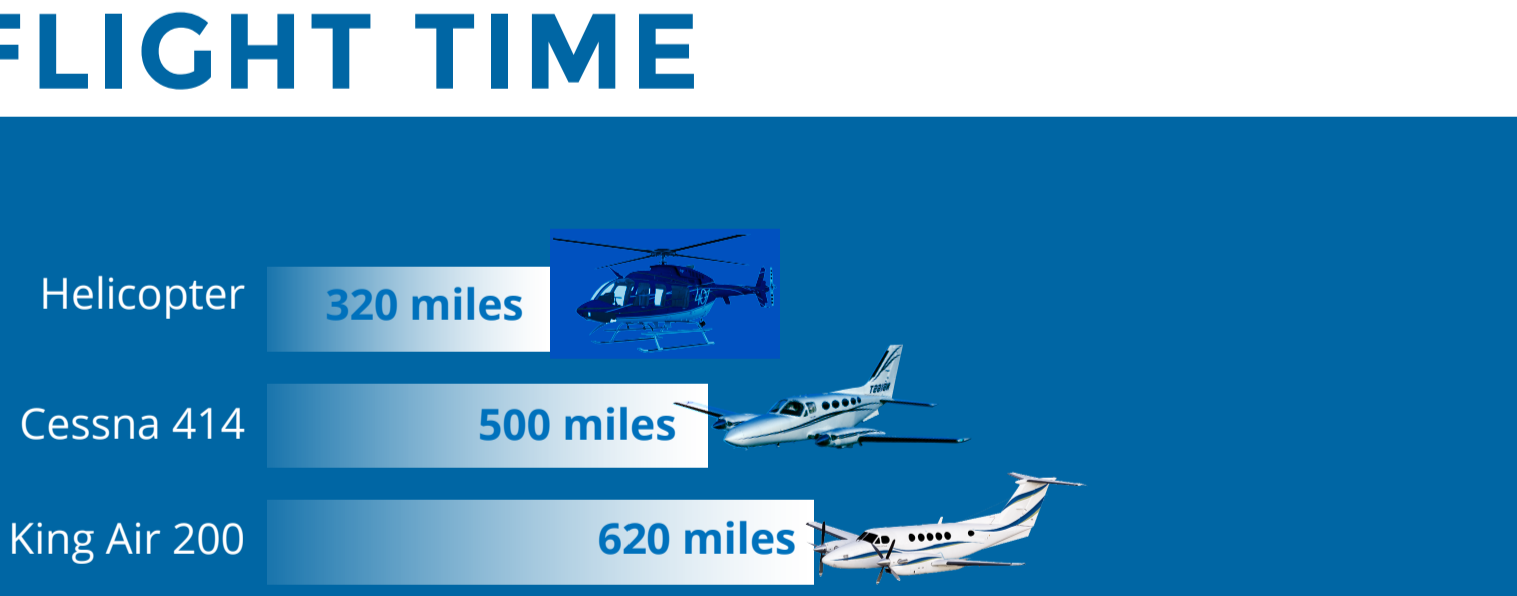
Helicopter: 10,000 feet
(under and in all adverse weather)

MAX FLYING TIME



FLIGHT TIME

IN 2 HOURS, EACH AIRCRAFT COULD FLY



CREW CAPACITY

HELICOPTER	CESSNA 414	KING AIR 200	LEARJET 60
1 pilot	1 pilot	1 pilot	2 pilot
2 medical crew	1 family member (sits beside pilot)	2 medical crew	2 medical crew (space for 3 more)
1 patient	2 medical crew	1-2 patients	1 patient
	1 patient	1 family member	1-2 family members

AIRCRAFT	PROS	CONS
 Helicopter	<ul style="list-style-type: none"> Can land almost anywhere. Delivers patient directly to medical facility. 	<ul style="list-style-type: none"> Susceptible to weather conditions. Not a long-distance option. Outrageous emergent costs.
 Cessna 414	<ul style="list-style-type: none"> Short-range flights. Can operate from short runways. Cost-effective. 	<ul style="list-style-type: none"> Need to utilize ground transportation to bring patient to aircraft. Low altitudes uncomfortable for the patient. Weight sensitive so unreliable passenger count.
 King Air 200	<ul style="list-style-type: none"> Rugged but dependable performance. Can transport more than one patient. 	<ul style="list-style-type: none"> Need to utilize ground transportation to bring patient to aircraft. Slow for long-distance transports. Low altitudes uncomfortable for the patient.
 Learjet 60	<ul style="list-style-type: none"> Longest and fastest flight options. Pilots have control of cabin environment and altitude range to provide ultimate comfort. 	<ul style="list-style-type: none"> Need to utilize ground transportation to bring patient to aircraft. Requires the most runway space for takeoff and landing out of other aircraft.

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