**Aviation Weather for FAA Air Traffic Controllers** 





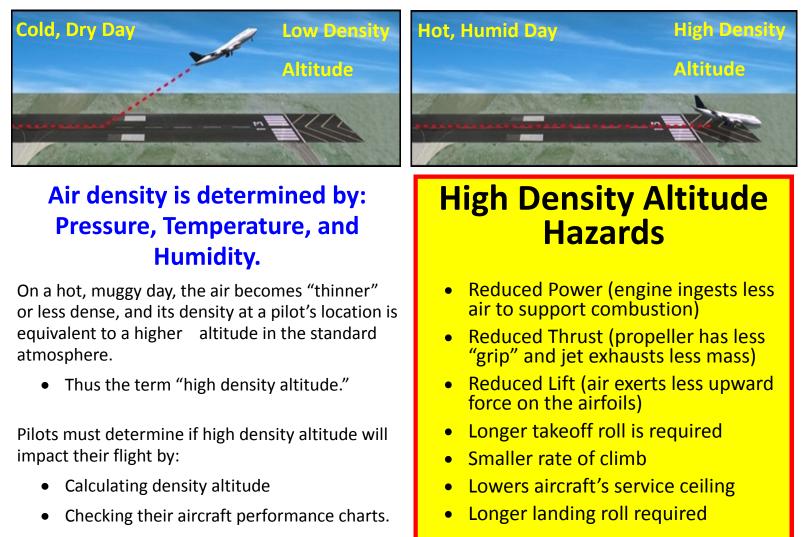
## High Density Altitude 🖏

## High density altitude accounts for 7.3% of all U.S. aviation weather-related accidents.

**Density Altitude** – The altitude in the standard atmosphere at which the air has the same density as the air at the point in question. An aircraft will have the same performance characteristics as it would have in standard atmosphere at this altitude.

**High Density Altitude** – A condition of the atmosphere that reduces an aircraft's performance capability to below a level of standard performance at a specified altitude.

**Service Ceiling** – The maximum density altitude where the best rate-of-climb airspeed will produce a 100 feet-per-minute climb a maximum weight while in a clean configuration with maximum continuous power.



Material from: NOAA National Weather Service Warning Decision Training Branch