This comprehensive text addresses all medical and public health issues involved in the care of crews, passengers, and support personnel of aircraft and space vehicles. Coverage includes human physiology under flight conditions, clinical medicine in the aerospace environment, and the impact of the aviation industry on global public health.

This edition features new chapters on radiation, toxicology and microbiology, dental considerations in aerospace medicine, women’s health issues, commercial human space flight, space exploration, and unique aircraft including parachuting. Other highlights include significant new information on respiratory diseases, cardiovascular medicine, infectious disease transmission, and human response to acceleration.