



**(a) Hospital Infection Control**

(A) : sanitize monitoring  
 (B) : status update in missing sanitize  
 (C) : wearing mask monitoring

**(b) Sensor Monitoring**

(A) : streaming join  
 (B) : upgrade specification

**(c) Leaderboard Maintenance**

(A) : validate & record  
 (B) : update leaderboard  
 (C) : remove lowest votes candidate

→ Stream Data Flow  
 ←→ Shared State Access