

Table S1. Culture media and incubation environments.

| Media ^a | Incubation Conditions | Incubation Interval | Volume Plated |
|--|---------------------------|--|------------------|
| Trypticase soy agar with 5% sheep blood | 35 °C, 5% CO ₂ | Three days (first read after 24 hours) | 10 uL and 100 uL |
| Chocolate agar | 35 °C, 5% CO ₂ | Three days (first read after 24 hours) | 50 uL |
| Colistin naladixic acid agar | 35 °C, 5% CO ₂ | Three days (first read after 24 hours) | 50 uL |
| MacConkey agar | 35 °C, O ₂ | Three days | 50 uL |
| Chopped meat broth enrichment | 35 °C, Anaerobic jar | Incubate for 24 hours, then subculture to BBA, BBE, LKV | 50 uL |
| <i>Brucella</i> blood agar with hemin and vitamin K (BBA) | 35 °C, Anaerobic jar | Seven days (first read after 48 hours) | 100 uL and 10 uL |
| <i>Bacteroides</i> bile esculin (BBE) | 35 °C, Anaerobic jar | Seven days (first read after 48 hours) | 50 uL |
| <i>Brucella</i> laked blood agar with kanamycin and vancomycin (LKV) | 35 °C, Anaerobic jar | Seven days (first read after 48 hours) | 50 uL |
| Sabbaroud's agar with chloramphenicol | 25 °C, O ₂ | Three weeks (first read after 48 hours, plates sealed after 48 hours to prevent dehydration) | 50 uL |

^a All medium from Hardy Diagnostics

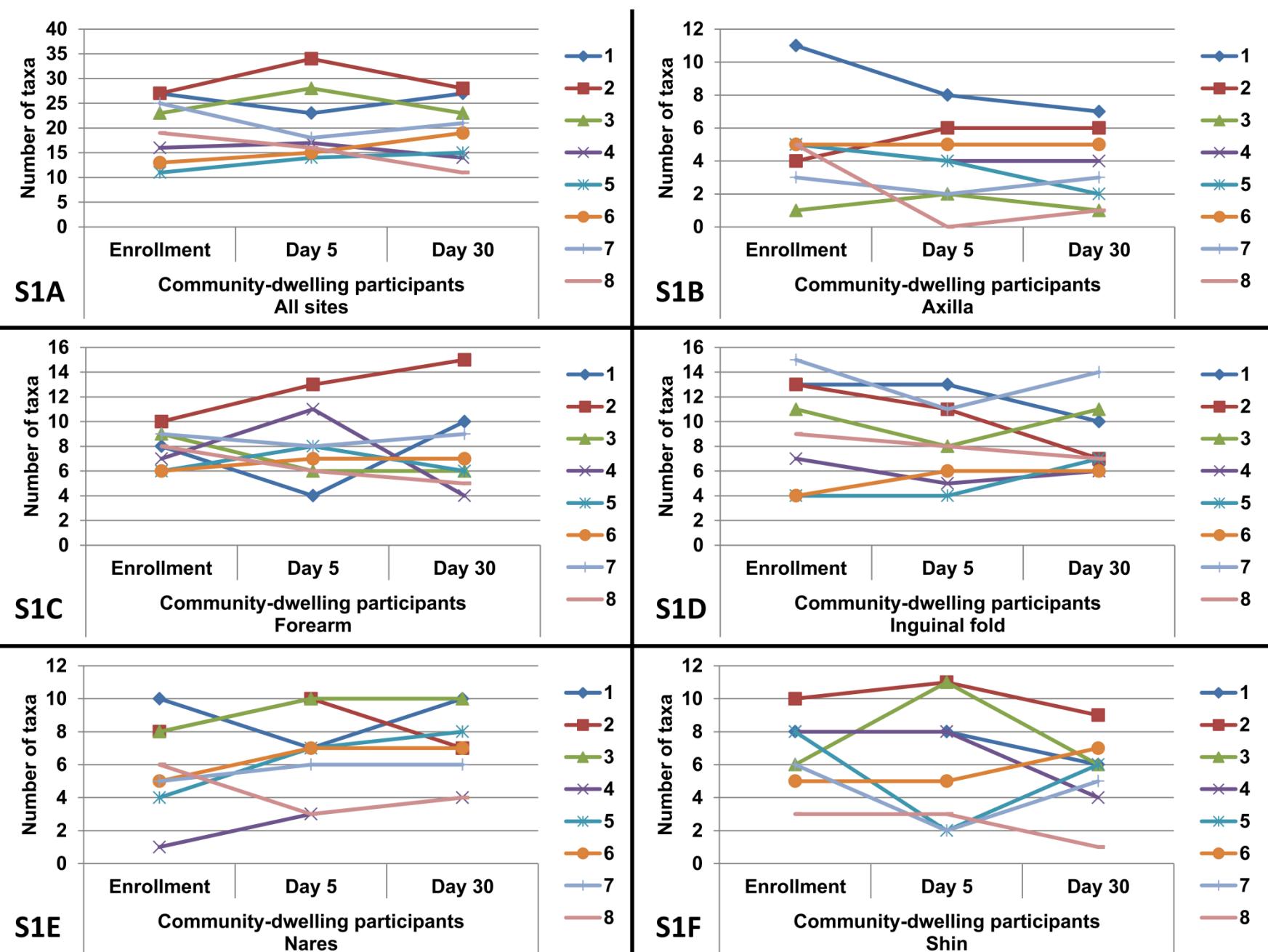


Figure S1. Richness of each community-dwelling participant at each time point. Each line represents a distinct participant. **A.** All sites combined. **B.** Axilla. **C.** Forearm. **D.** Inguinal fold. **E.** Nares. **F.** Shin.

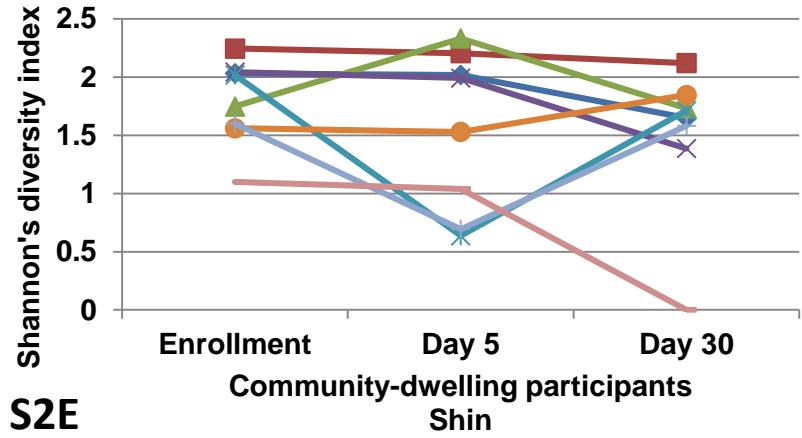
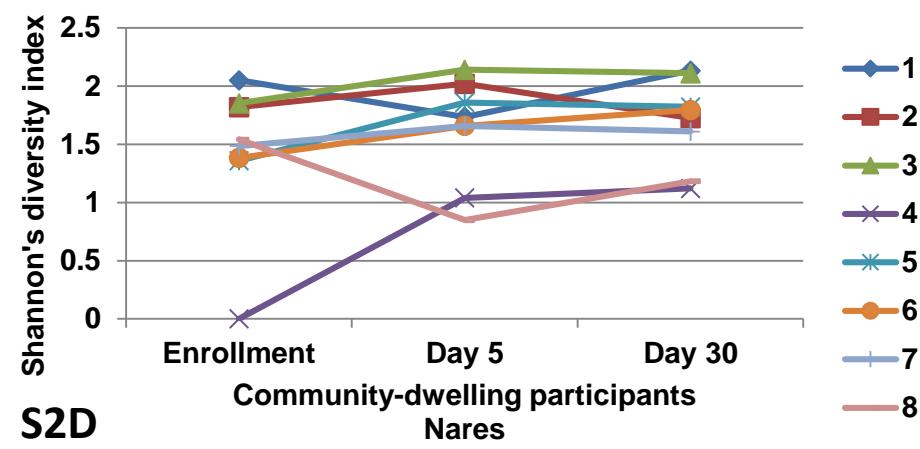
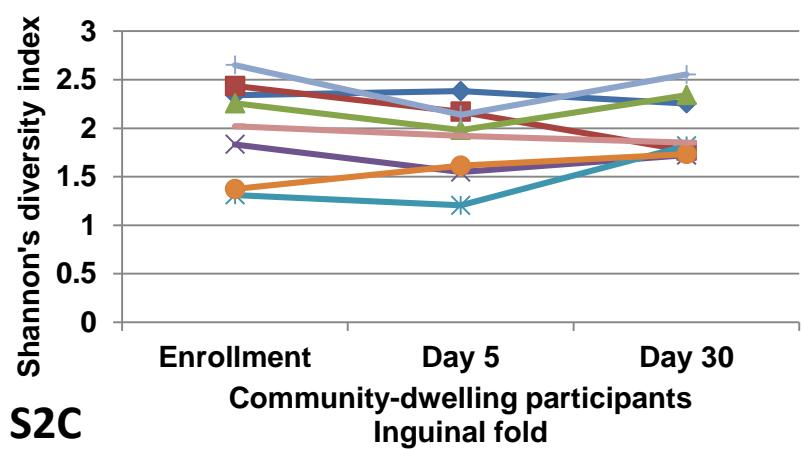
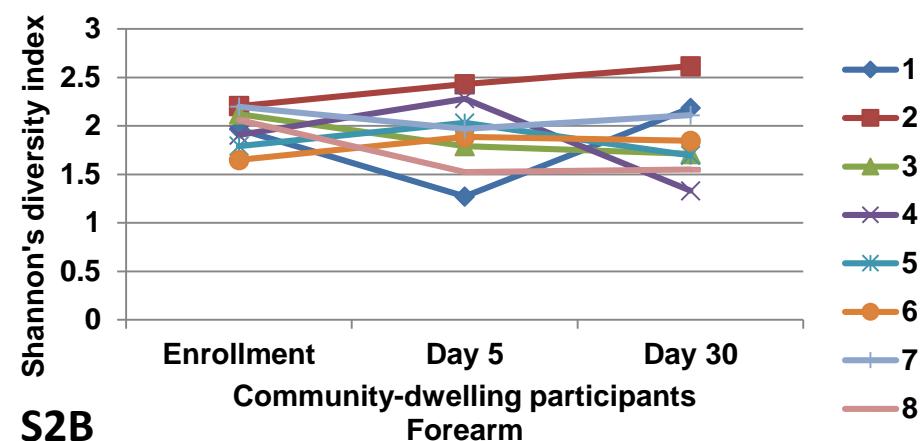
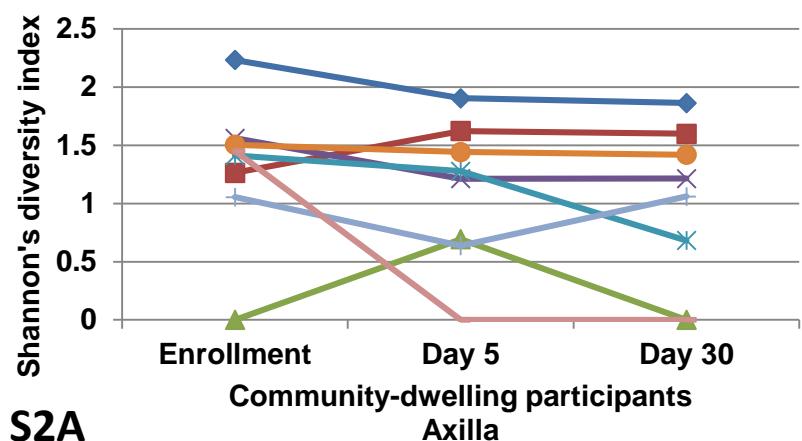


Figure S2. Diversity of each community-dwelling participant at each time point. Each line represents a distinct participant. **A.** Axilla. **B.** Forearm. **C.** Inguinal fold. **D.** Nares. **E.** Shin.

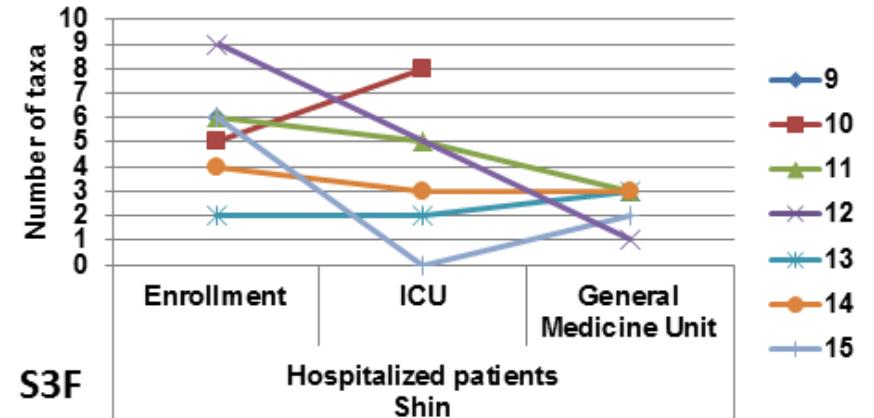
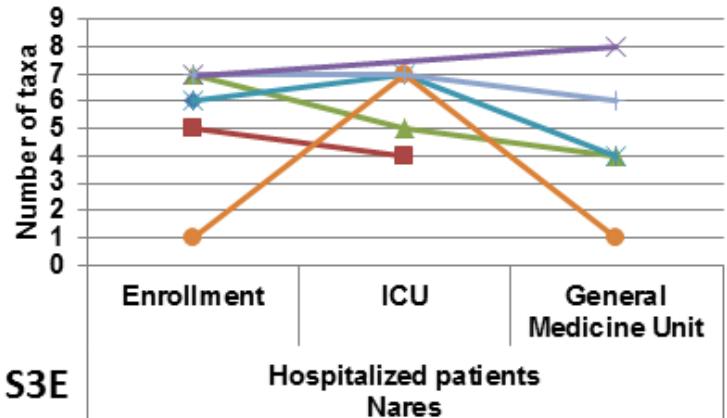
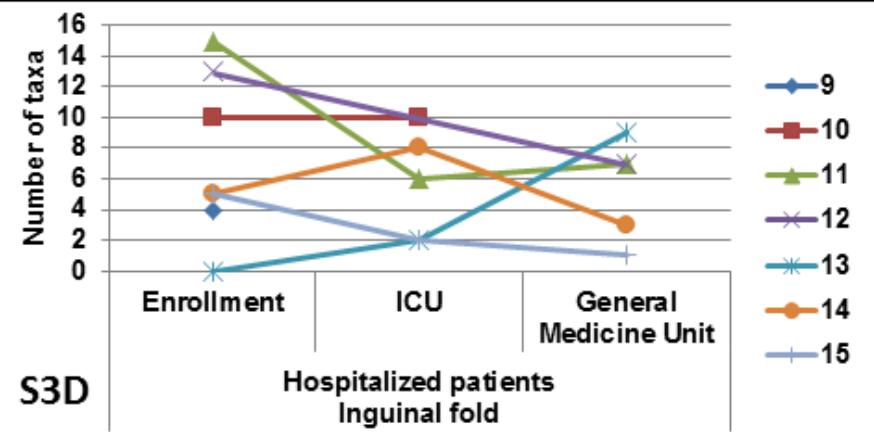
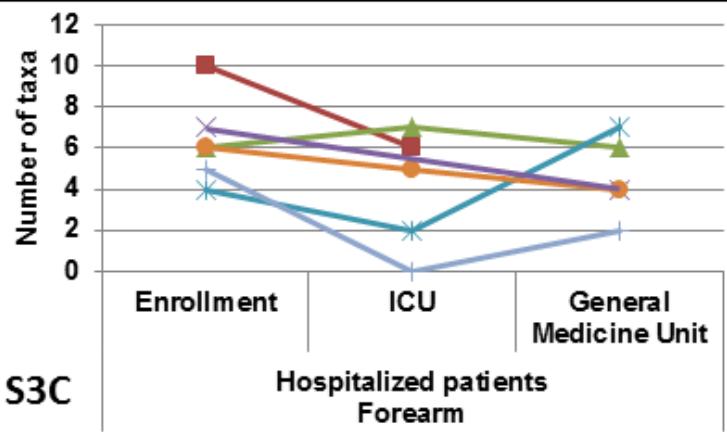
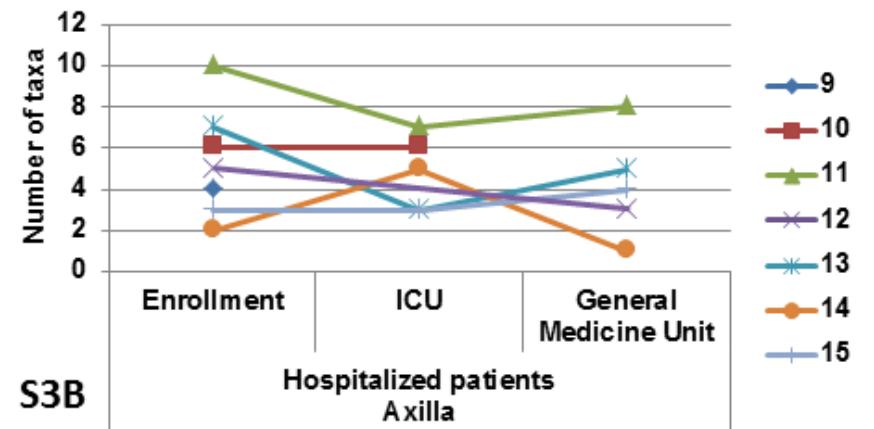
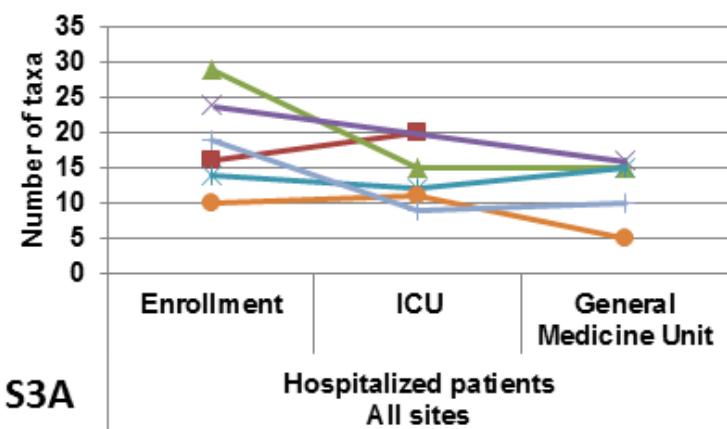


Figure S3. Richness of each hospitalized patient at each time point. Each line represents a distinct patient. **A.** All sites combined. **B.** Axilla. **C.** Forearm. **D.** Inguinal fold. **E.** Nares. **F.** Shin.

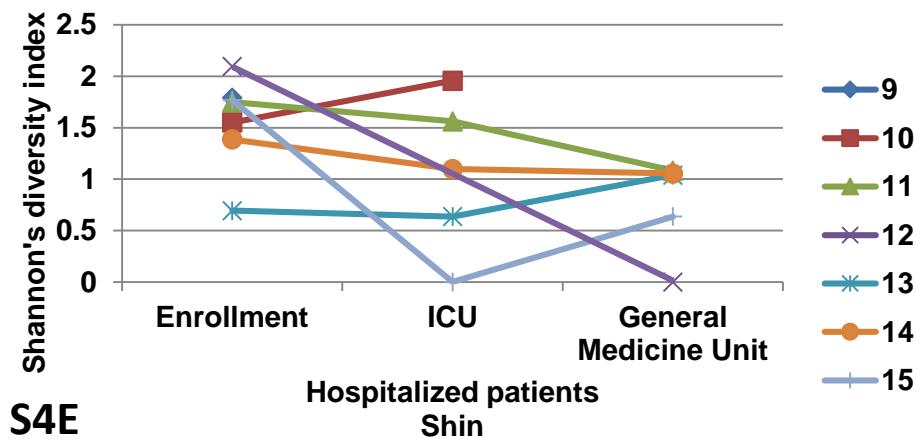
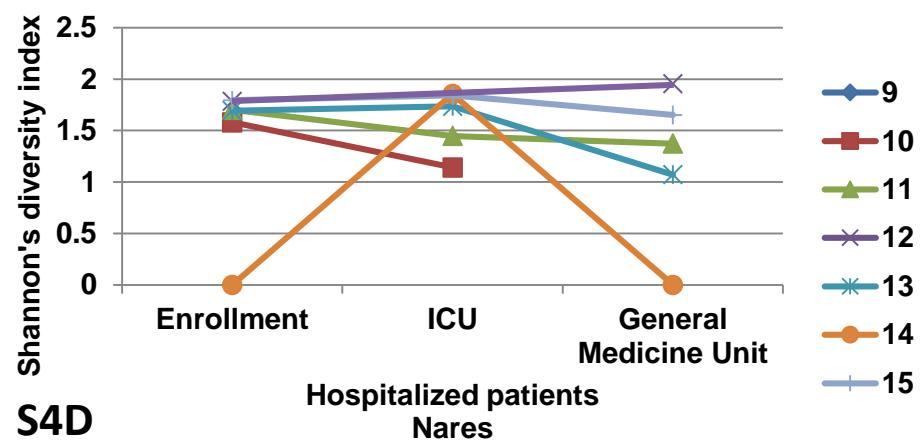
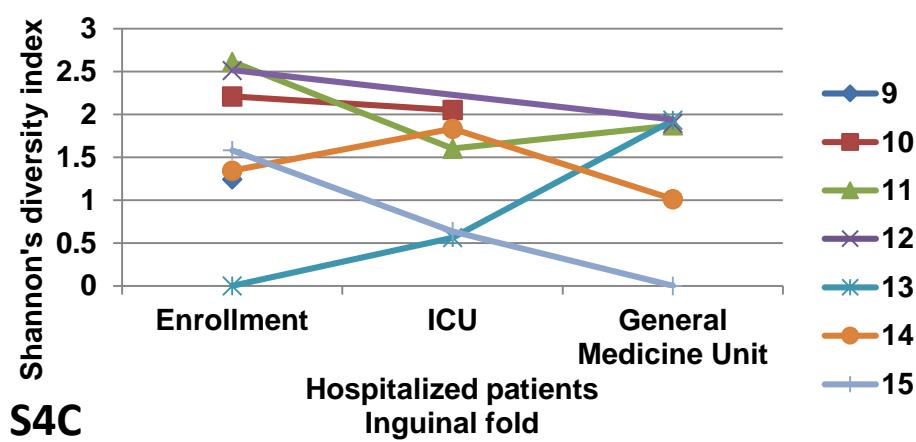
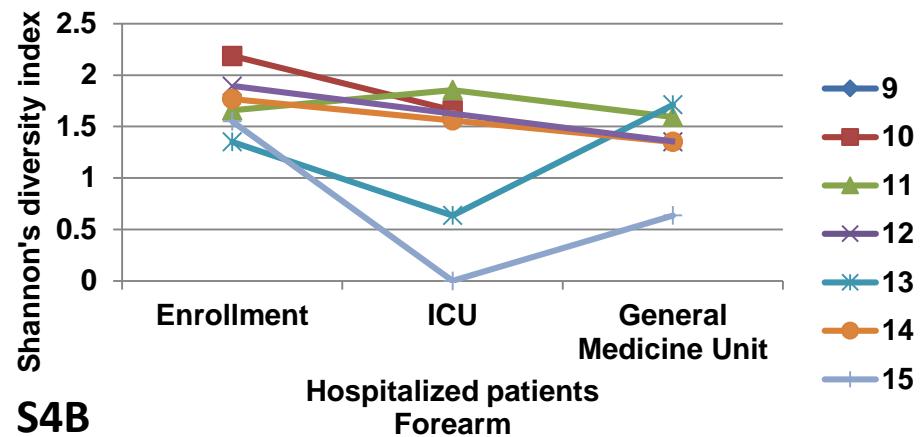
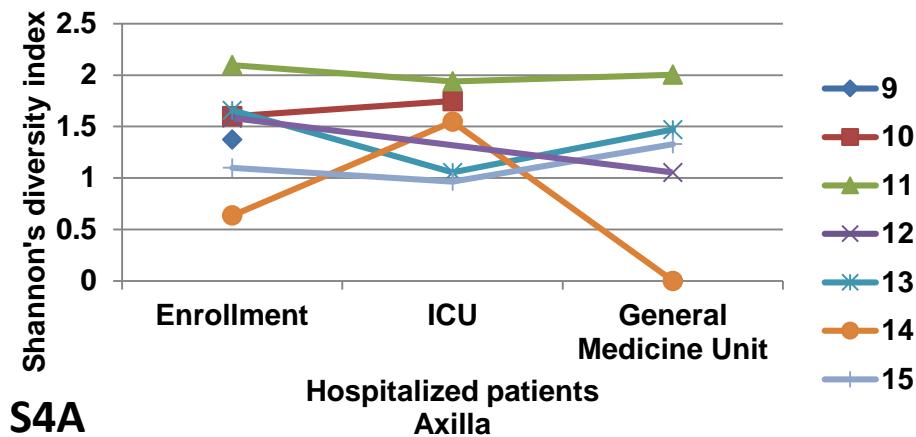


Figure S4. Diversity of each hospitalized patient at each time point. Each line represents a distinct patient. **A.** Axilla. **B.** Forearm. **C.** Inguinal fold. **D.** Nares. **E.** Shin.