Table S2. Patient demographic information.

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| **Characteristic** | **Value** |
| Total | 32 |
| Male:female ratio | 20:12 |
| Mean age | 49.7 |
| Trauma:acute care surgery ratio | 19:13 |
| Mean ICU stay length | 8.8 days (1 to 24 days) |
| Mean number of samples per patient | 10.8 |
| Percentage patients requiring surgeryTotal surgical procedures performed* Exploratory laparotomy
* Wound debridement
* Tracheostomy
* Orthopedic procedure
* Thoracotomy
* Groin exploration
 | 88%6131147621 |
| APACHE II score mean | 12.6 (1 to 29) |
| ISS mean | 19.2 (4 to 36) |
| **Patients receiving antibiotic**:* Full course of antibiotics
* Peri-operative antibiotics
* No antibiotics
 | 78.1% (25)15.6% (5)6.3% (2) |
| **Nosocomial infections**Hospital-acquired pneumoniaBacteremia | 25.0% (8)3.1% (1) |
| **Proportion of patients with:*** Orthopedic injuries
* Rib fractures
* Heart / lung trauma
* Spleen injuries
* Bowel injuries
* Traumatic brain injuries
* Liver injuries
 |  52%42%32%16%16%16%11% |
| **Mechanism of injury*** Motor vehicle collision
* Gunshot wound
* Fall
* Knife injury
 | 11431 |
| **Acute care surgery diagnoses*** Necrotic / perforated bowel
* Gastric / duodenal perforation
* Necrotizing soft tissue infection
* Incarcerated hernia
* Abscess / wounds
* Enterocutaneous fistula
 | 332221 |