# PK-PD indices

1. Cmax/MIC: Concentration-Dependent Killing
   * aminoglycosides, daptomycin, fluoroquinolones,
   * post-antibiotic effect after C falls below MIC
2. T>MIC: Time-Dependent Killing
   * Beta lactams
   * Maximise exposure time
3. 24h AUC/MIC
   * Macrolides, linconsamides, oxazolidinones, tetracyclines, vancomycin
   * maximise the amount of drug

Continuous infusion of antibiotics

* Maintain concentration above MIC (i.e. maximises T>MIC)
* Important for beta lactams
* Used in critical care and for deep seated organisms.
* Outpatient infusion pumps