Figure: Types of STI models

- **Deterministic examples**
  - Watts & May [1]
  - Johnson et al [2]
  - Foss et al [4]
  - Bogaards et al [5]
  - Brunham et al [6]
  - Ferguson & Garnett [7]
  - Leung et al [8]
  - Bauch & Rand [9]
  - Xiridou et al [10]
  - Dietz & Hadeler [12]
  - Chen et al [13]
  - Lloyd-Smith et al [14]

- **Microsimulation examples**
  - Phillips et al [15]
  - Van de Velde et al [16]
  - Doherty et al [18]
  - Kretzschmar et al [19]
  - White et al [20]

- **Frequency-dependent models**
  - Models with no partner STI stratification
    - Models incorporating partnership duration
    - Instantaneous partnership models

- **Models that classify individuals by partner STI status**
  - Pair models
    - Models based on moment closure approximations
    - Models that distinguish regular partners (pairs) and casual partners (frequency-dependent)

- **Hybrid models to represent concurrency**
  - Models of serial monogamy
  - Network models
References


