

## Intrinsic GI

- patient based (e.g. titer)

Difficult in practice

## Effective GI

- accounts for spatial (network) structure
- equivalent to intrinsic GI under homogeneous mixing

$\mathcal{R}$

Exponential correction  
weight observed periods by  $\exp(r\tau)$

## Observed GI in early epidemic

- contact-tracing based
- proportional to  $g(\tau) \exp(-r\tau)$