

Fault-tolerance

- With failures, is it possible that the epidemic might die out quickly?
- Possible, but improbable:
 - Once a few nodes are infected, with high probability, the epidemic will not die out
 - So the analysis we saw in the previous slides is actually behavior *with high probability*
- [Galey and Dani 98]
- Think: why do rumors spread so fast? why do infectious diseases cascade quickly into epidemics? why does a virus or worm spread rapidly?