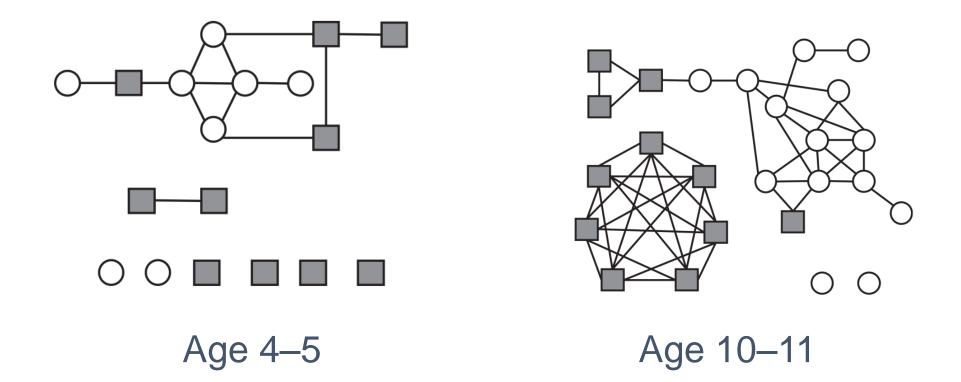
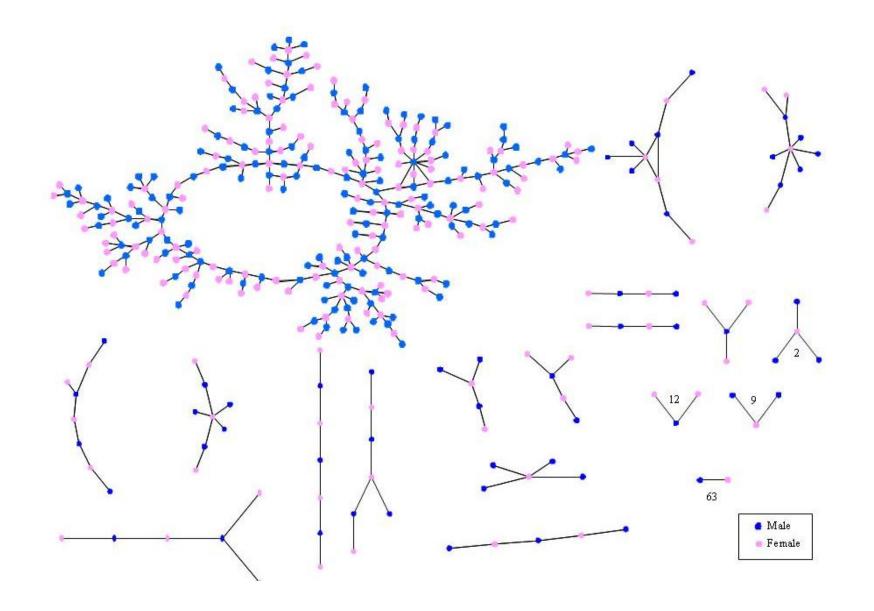
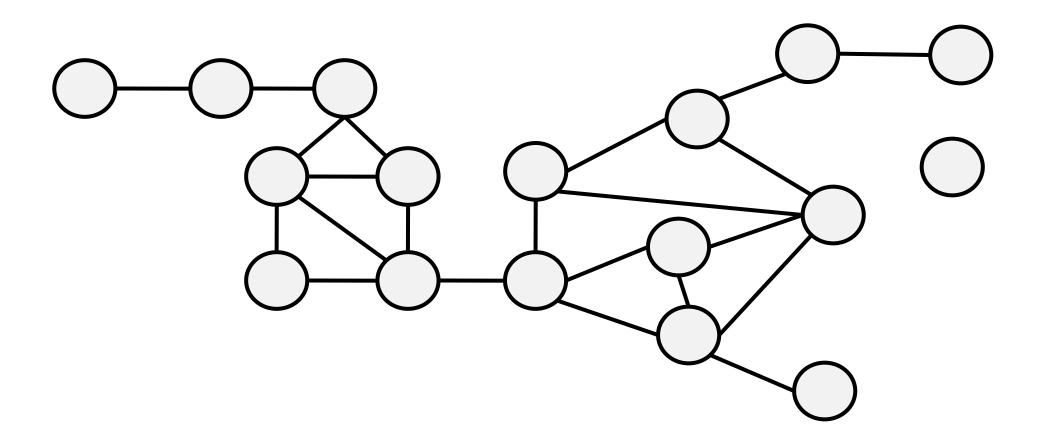
Epidemics on Networks

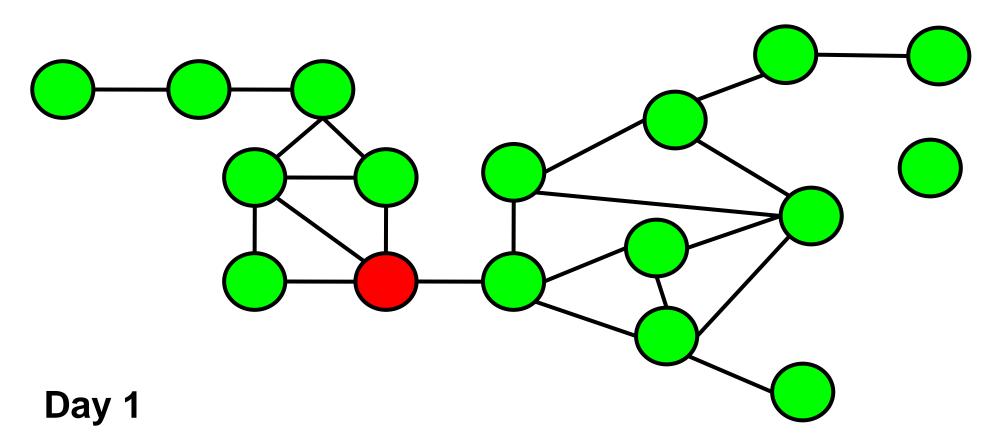
Social networks



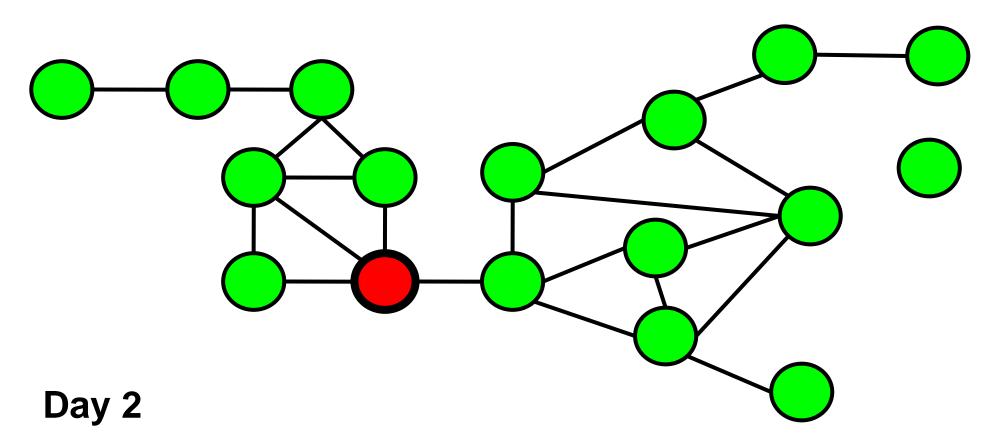
Romantic network in US high school



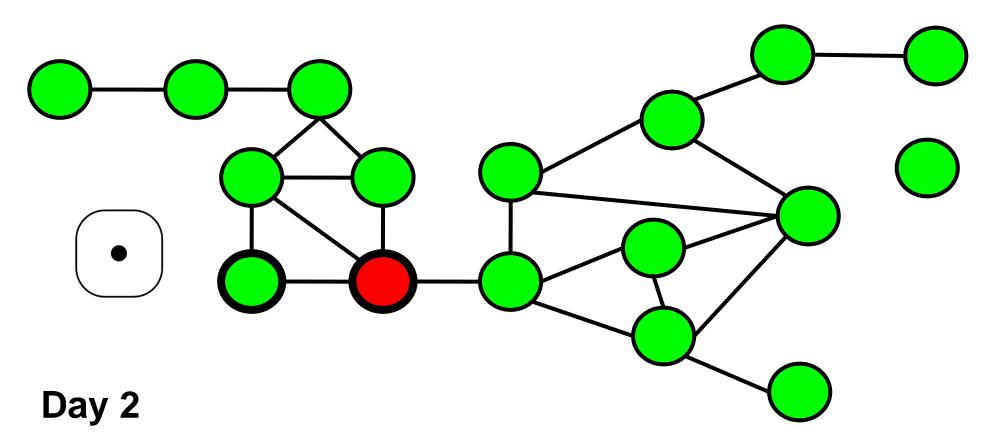




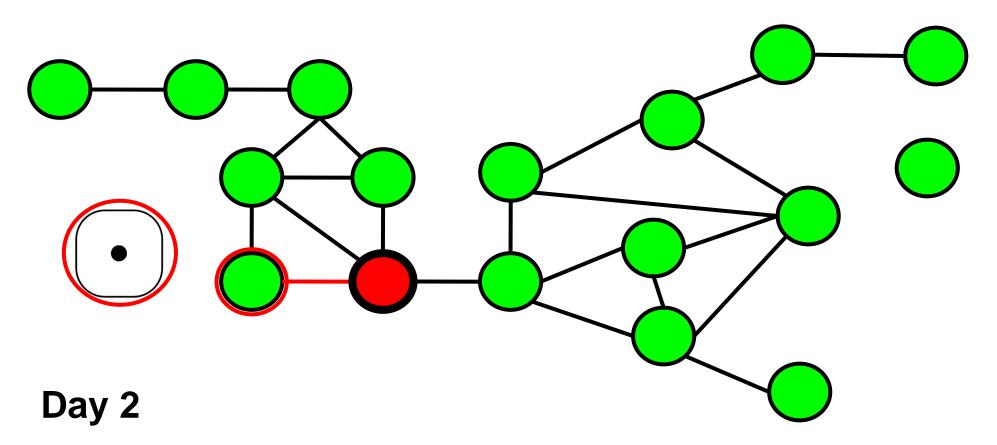
Everyone starts off susceptible, apart from one infected person



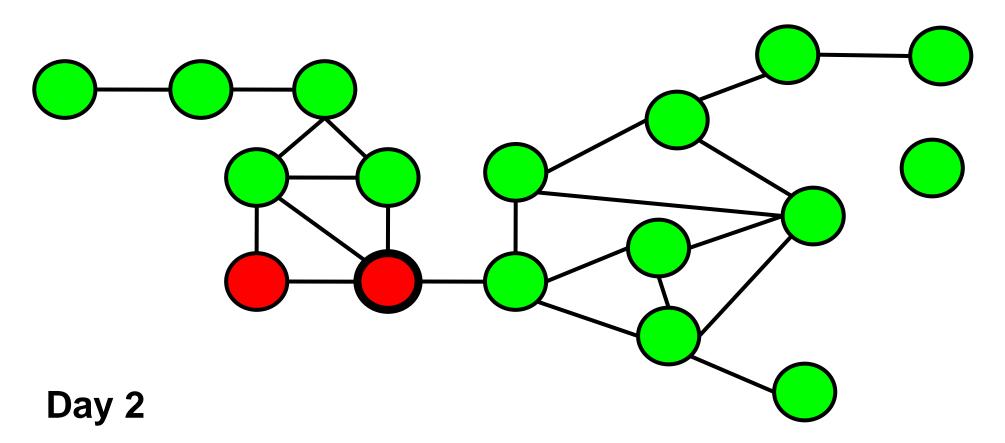
• Go round infected person's contacts in turn



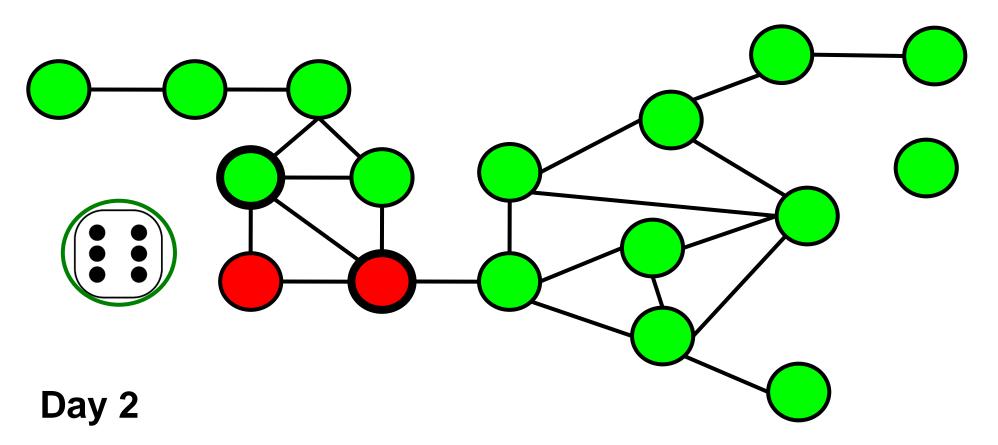
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person



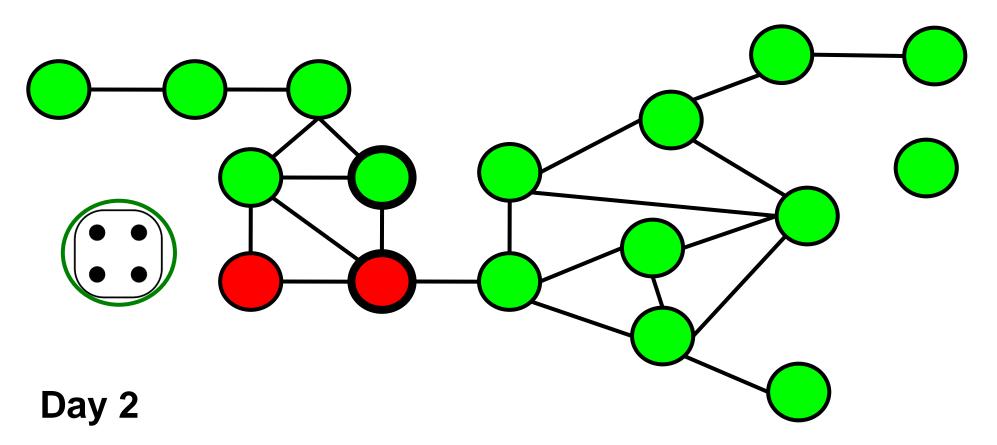
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person



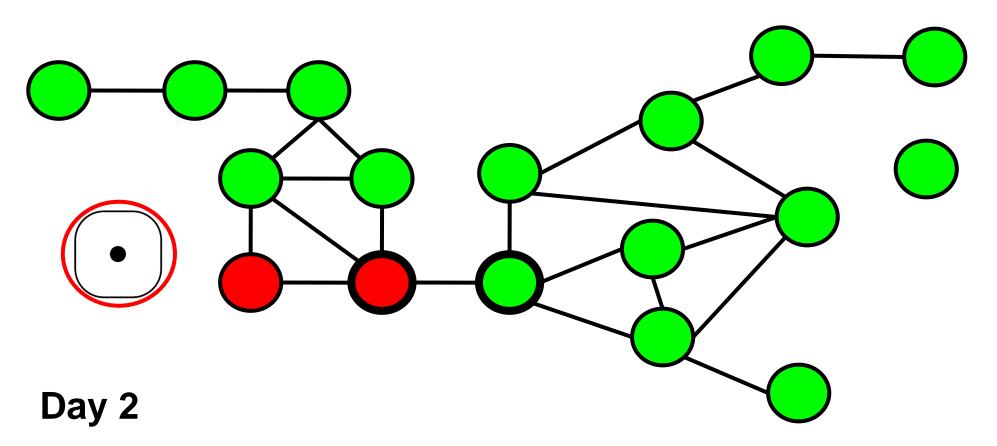
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts



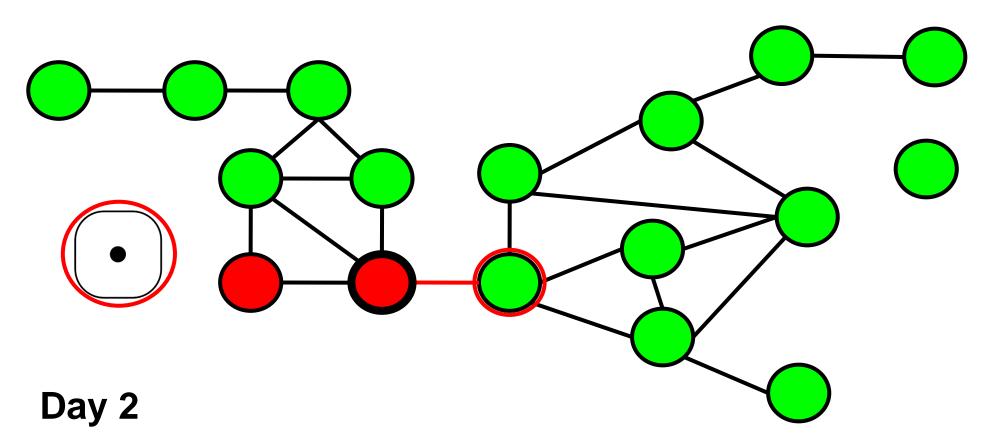
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts



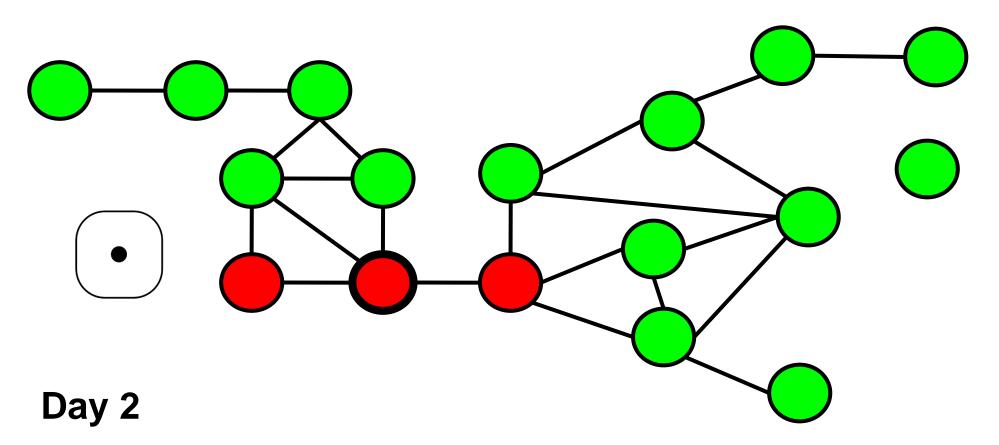
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts



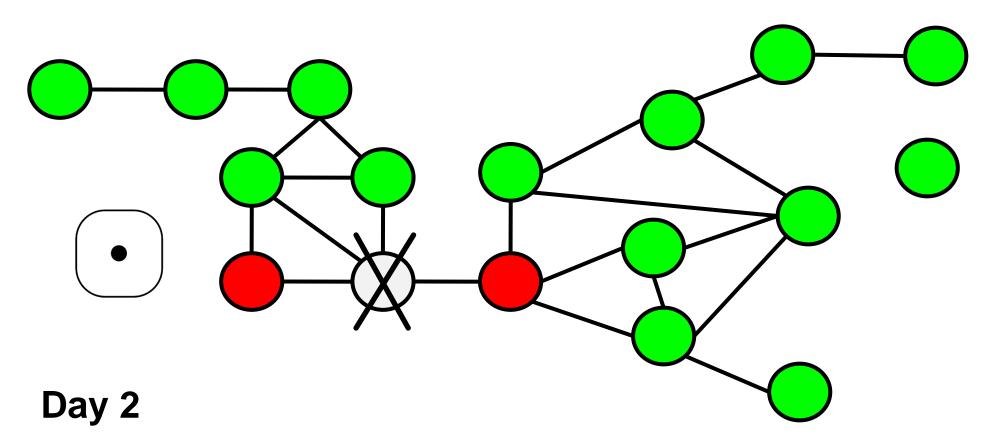
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts



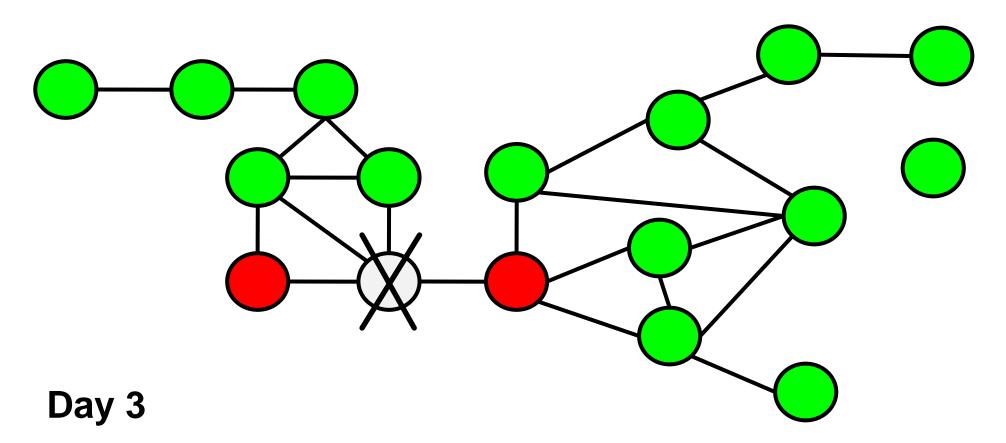
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts



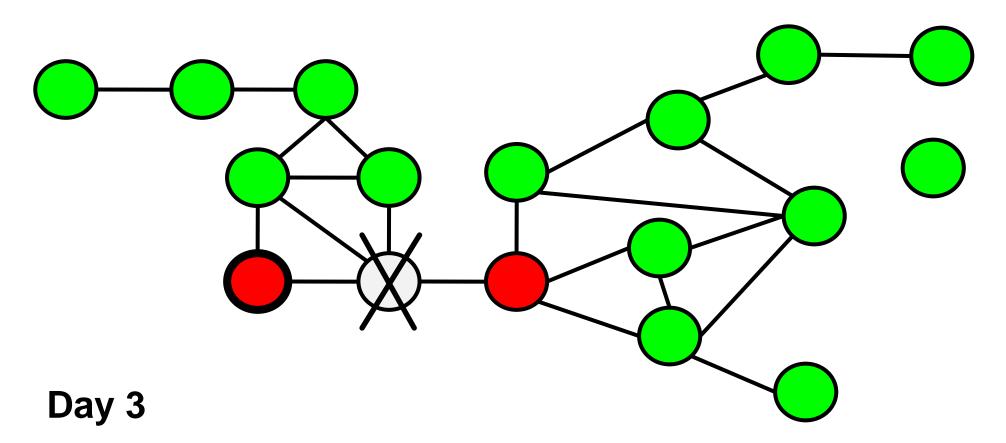
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts, then infected person recovers



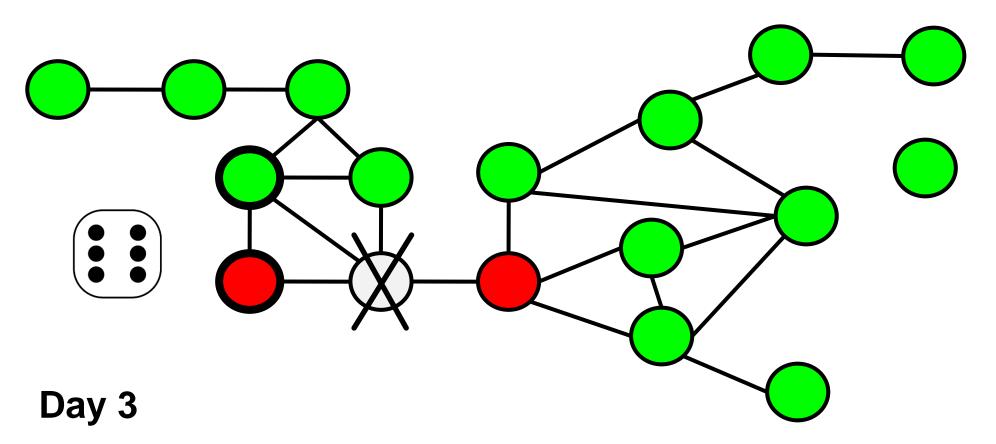
- Go round infected person's contacts in turn
- Roll dice. If number is 1 or 2, infect that person
- Continue for all contacts, then infected person recovers



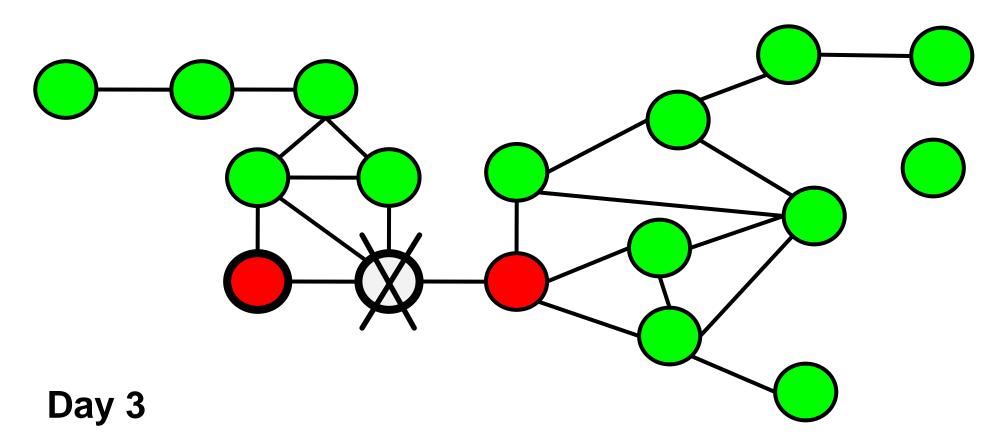
- Start with two infected people
- For each infected person, roll dice for each contact



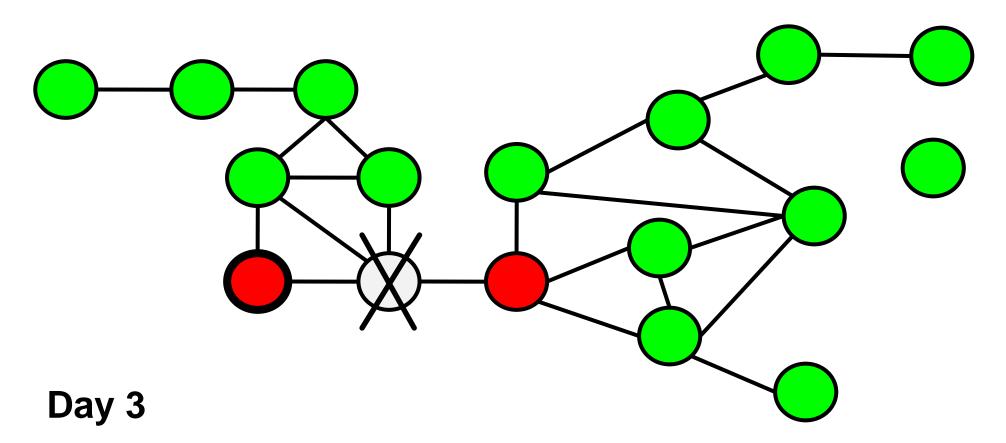
- Start with two infected people
- For each infected person, roll dice for each contact



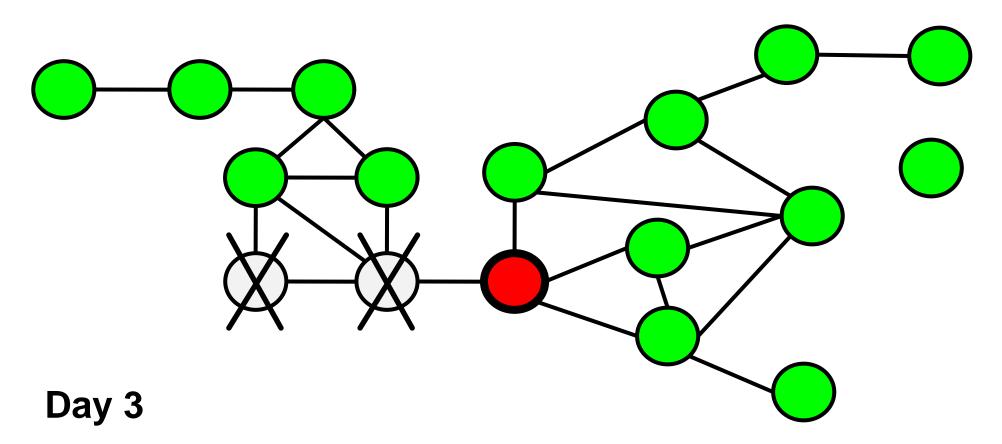
- Start with two infected people
- For each infected person, roll dice for each contact



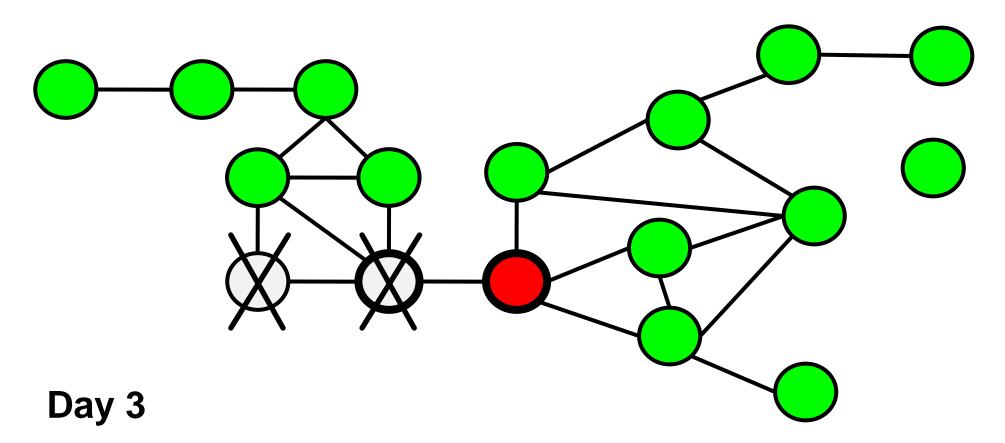
- Start with two infected people
- For each infected person, roll dice for each contact



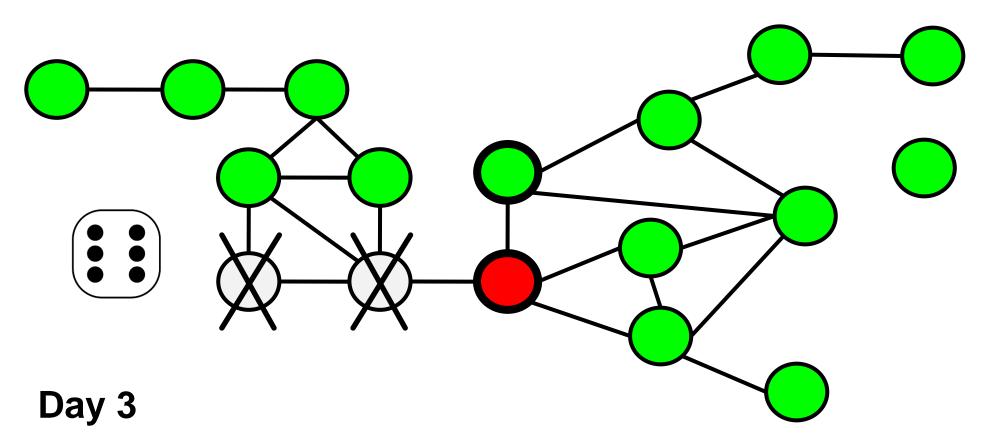
- Start with two infected people
- For each infected person, roll dice for each contact



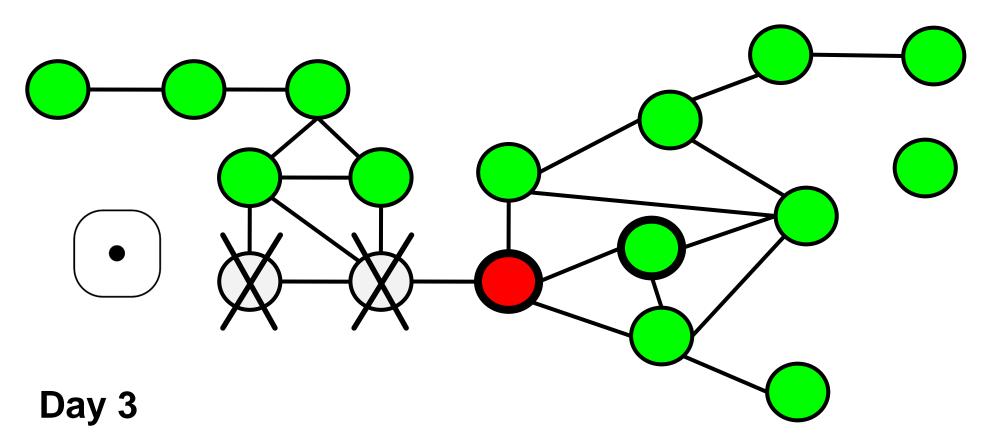
- Start with two infected people
- For each infected person, roll dice for each contact



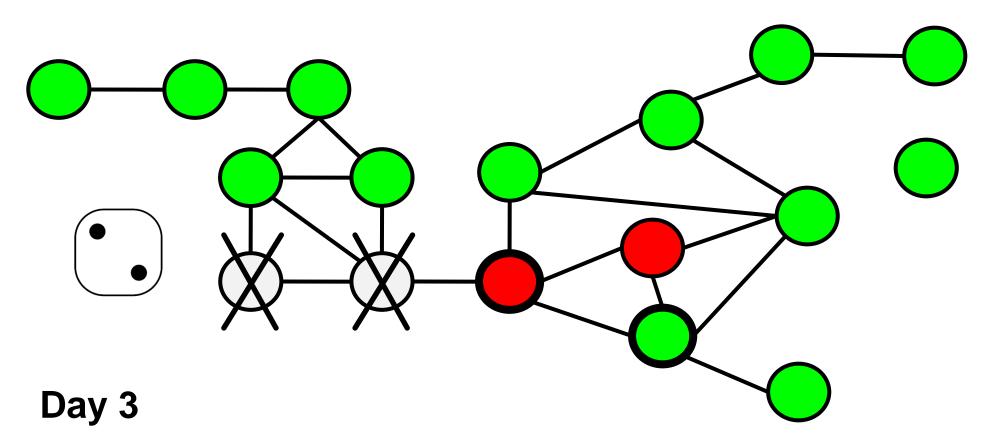
- Start with two infected people
- For each infected person, roll dice for each contact



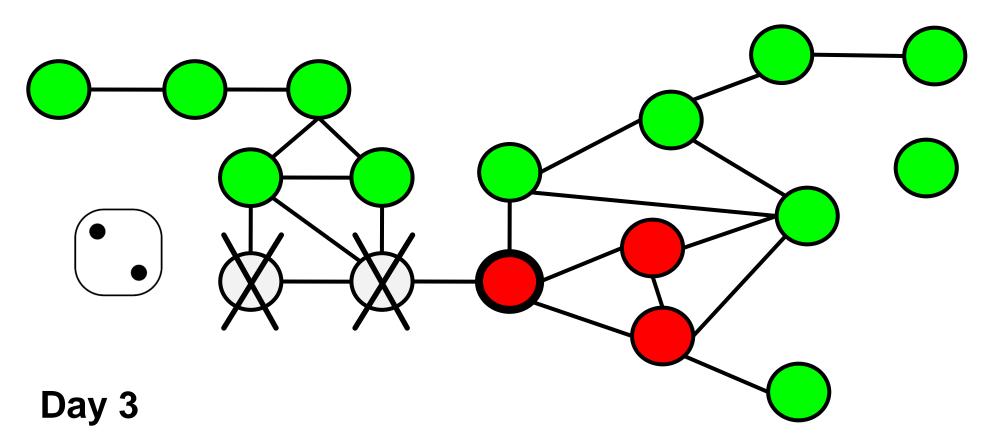
- Start with two infected people
- For each infected person, roll dice for each contact



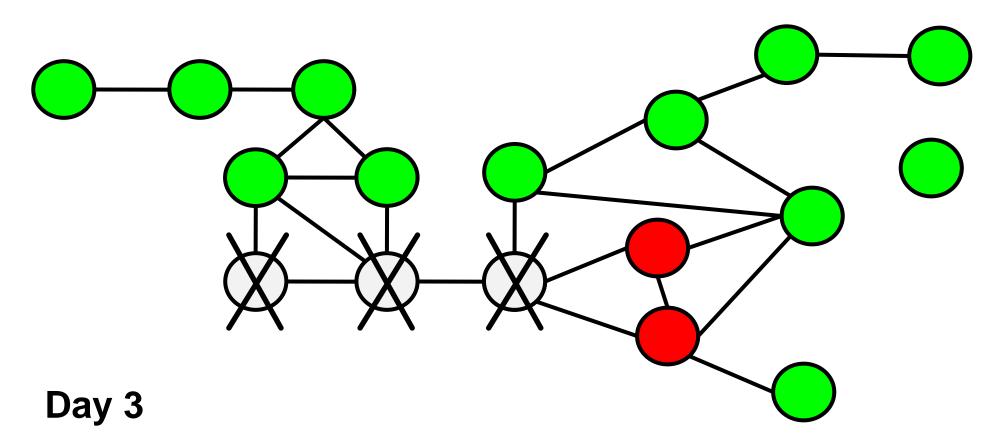
- Start with two infected people
- For each infected person, roll dice for each contact



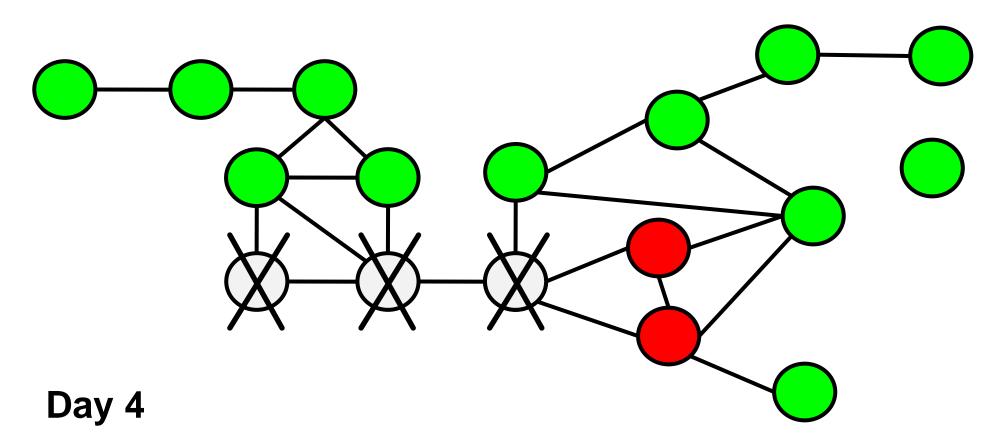
- Start with two infected people
- For each infected person, roll dice for each contact



- Start with two infected people
- For each infected person, roll dice for each contact



- Start with two infected people
- For each infected person, roll dice for each contact



- Start with two infected people
- Continue until epidemic ends