Tutorial session P2

The aims of this tutorial session are to:

* Constructing a cascade
* Constructing a continuum

You are asked to **work in groups**. The session will last for **45 minutes**, and at the end of that time, your group will report back and present your findings to the others in the session.

**Q1. Consider the cascade shown below and respond to the following questions.**

1. Map out a set of possible pathways that describe how people move between the stages of the cascade over time.

*Hint: you may find it easier to represent the cascade as a series of compartments.*

1. What are the shortest pathways that a person could take to treatment success?
2. Where are the major breakpoints in the cascade? What could be some reasons for these?
3. What data sources do you think might be useful for populating this cascade? Which data do you think would be more or less reliable?
4. How do you think that the cascade might vary across different groups? (e.g. rural/urban, male/female/other, age groups, education level…)

**Q2. Many people recover from primary TB infection without further evidence of the disease. The infection may stay inactive (dormant) for years. Consider how this might affect the cascade. Could there be more than one possible cascade in this case? Construct an alternative.**