

Updating CAR for sit. assess

30/8/23

- we are interested in infection fatality

$$\frac{\#hosp(ICU)}{\#infected} \quad \frac{\#hosp(ward)}{\#infected}$$

$$\frac{cases}{CAR} = infections$$

↳ we want bounds on this

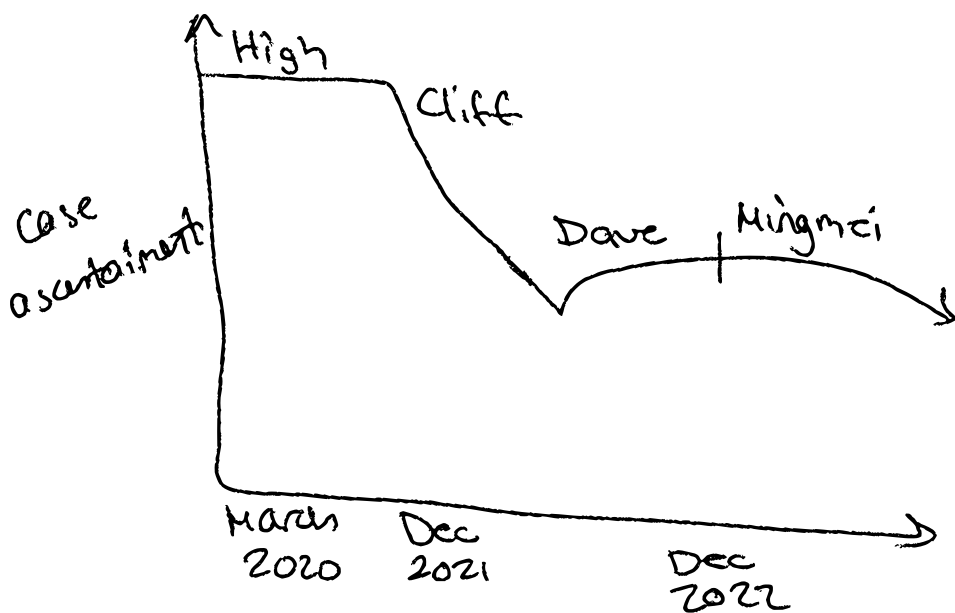
$$CAR = \frac{cases}{infections}$$

$$cases_{sym} = infections \times sym.frac$$

$$infections = \frac{cases_{sym}}{sym.frac}$$

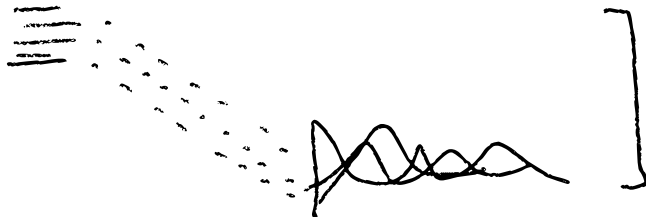
$$CAR = \frac{cases}{cases_{sym} / \boxed{sym.frac}}$$

↳ ±



"reason for test" model

High Cliff Dave



time-varying prior for CAR \rightarrow new model