Prevalence ratio (*θt*) is defined as

A diagram of a graph

Description automatically generated

where *t* and *t*+1 identify pairs of adjacent months. Prevalence in months *t*, *t*+1, and the month (max) corresponding to peak prevalence, are denoted by *pt*, *pt*+1, and *p*max, respectively.

In the illustrated example, in month 1, prevalence increases by “a” units out of a possible “b”, and so *θ*1=a/b. In month 4, prevalence decreases by “c” units out of a possible “d”, and so *θ*4=1-c/d.