Plasmodium vivax in mosquitoes
early deaths from primary infections

Plasmodium vivax in humans
early deaths from mosquito-induced relapses

Scenario 1
1st mosquito bite
17°C, 42 days
<17°C
second mosquito bite (indoors)
early deaths from primary infections

Scenario 2
1st mosquito bite inducing activation of hypnozoites
early deaths from mosquito-induced relapses

0 10 20 30 40 50 60 70 days

hatching of mosquitoes
first mosquito bite
gametocyte carrier — prolonged malaria
gametocytes
merozoites > paroxysms
merozoites > paroxysms

Legend:
- warm June-July cool
- warm June-July cool
- warm June-July cool

Graph:
- July
- August
- September
- October
- June-July
- cool