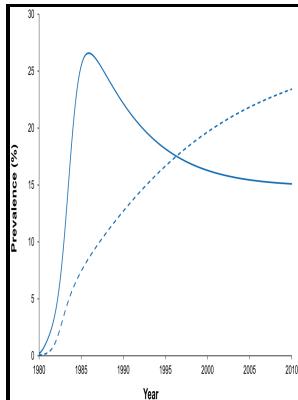


Modeling heterogeneity in susceptibility and infectivity for HIV infection

Rand - RePub, Erasmus University Repository: A signature for biological heterogeneity in susceptibility to HIV infection?

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- AIDS (Disease) -- Prevention
- Modeling heterogeneity in susceptibility and infectivity for HIV infection
- Rand note -- N-3134-RC
- Modeling heterogeneity in susceptibility and infectivity for HIV infection
- Notes: Includes bibliographical references (p. 19)
- This edition was published in 1991



Tags: #How #heterogeneous
#susceptibility #and #recovery #rates
#affect #the #spread #of #epidemics #on
#networks

How heterogeneous susceptibility and recovery rates affect the spread of epidemics on networks

Assuming that index and secondary infections occurred at the 5-mo and 7. Further, within London then there are smaller subgroups, such as the Turkish community or teenagers just to give two examples , who mix with each other more than people outside their group. HIV susceptibility linked to hormonal contraception HC has been studied before, but with mixed results.

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Filesize: 61.62 MB

Repository: A signature for biological heterogeneity in susceptibility to HIV infection?

Heterogeneity in the probability of HIV transmission per sexual contact: The case of male-to-female transmission in penile-vaginal intercourse. HIV Nef was included in a cluster with CD4, CD44, and interferon α IFNA1; IFN α , but the role of Nef was confounded by the fact that this HIV region is deleted in J-Lat cells but not the other cell lines Fig.



Heterosexual transmission of HIV

This model makes the following assumptions.

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One of the first was the concept of a core group introduced to explain the persistence of gonorrhea in the 1970s see Yorke, Hethcote, and Nold. One could go even a step further and examine whether there is any interaction between risk exposure and genetic profile. SDC cohort data that track susceptible individuals with both acutely infected and chronically infected partners is uniquely suited for this analysis.

Heterosexual transmission of HIV

The heterogeneity among clonal cells could also reflect stochastic variations in transcription or biological differences between single cells, such as differences in epigenetics, the phase of the cell cycle, the cellular microenvironment, or other factors.

Heterogeneity in HIV and cellular transcription profiles in cell line models of latent and productive infection: implications for HIV latency

Not capturing this variability in models may lead to erroneous conclusions and less than optimal high-stakes policy decisions.

How population heterogeneity in susceptibility and infectivity influences epidemic dynamics

Eaton JW, Johnson LF, Salomon JA, Barnighausen T, Bendavid E, et al.

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