

TRACKING THE A(H1N1)PDM09 INFLUENZA EPIDEMIC IN FINLAND

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The tracking of the dynamics of the spread of infection is an important epidemiological problem. The tracking of a flu epidemic is particularly difficult, as surveillance usually misses a majority of mild infections. To study the A(H1N1)09pdm flu epidemic in Finland 2009-2010 we apply a Bayesian approach. We construct the hierarchical spatio-temporal model and combine the available data of different reliability. Using the model, we can learn the parameters of the epidemic, its transmission pattern and the effect of the vaccination campaign.