

# BAYESIAN MODELLING OF DISEASE RATES

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Bayesian modelling of disease rates is a useful method in smoothing crude maps of disease risk. Disease incident data are generally available as summary counts or rates for a formally defined region. In a Bayesian approach we introduce a model for regional disease rates over space and time. Model parameters are estimated via Markov chain Monte Carlo methods (MCMC). An illustrative example using one of the available data sets is presented.