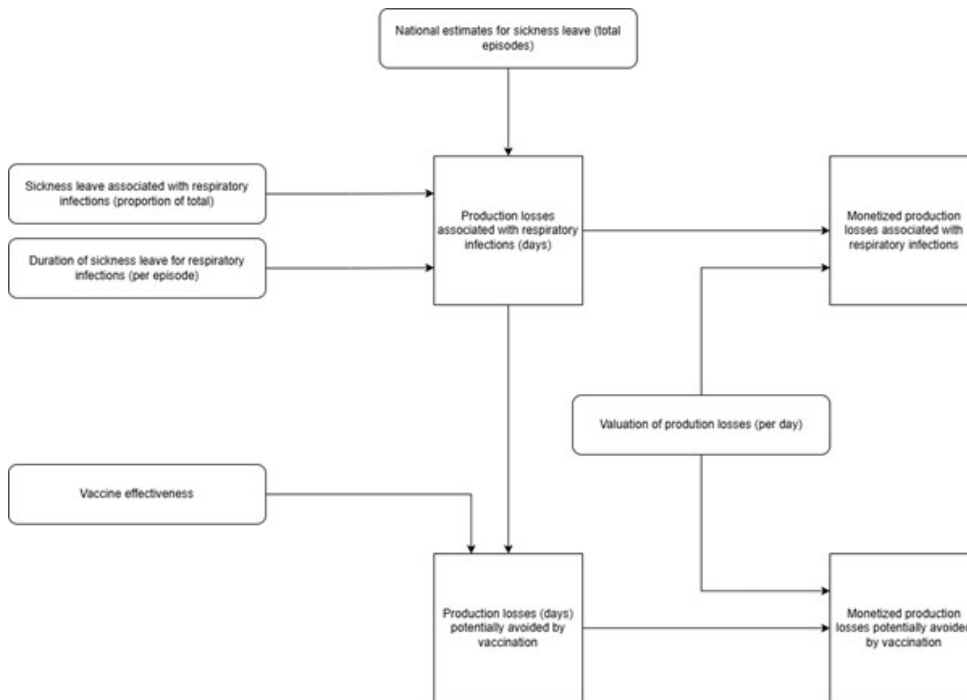


Labour productivity impact of respiratory infections in the Netherlands

Online addendum

Model structure



Input parameters

Category	Parameter	Value	Reference
Dutch working population	Number of workers	9,737,000	CBS
	Valuation of productivity, per day	€331.28	Dutch guidelines for health-economic evaluations, corrected for inflation
Sickness leave (general)	Annual average number of days of absence	8.22	NEA2023
	Mean duration in days of absence per sickness leave episode	10.5	NEA2023
	Total number of sickness leave episodes, annually	7.6 million	Calculated
	Total number of sickness leave days, annually	80 million	Calculated
Sickness leave (respiratory infections)	Proportion of sickness leave episodes due to respiratory infections	53.5%	NEA2023
	Mean duration in days of absence per sickness leave episodes, due to respiratory infections	3.5	NEA2023, assumption
	Total number of sickness leave episodes due to respiratory infections, annually	4.1 million	Calculated
	Total number of sickness leave days due to respiratory infections, annually	14.2 million	Calculated
Vaccine characteristics	Vaccine effectiveness	60%, varied from 40% - 80%	Targeted literature review
	Vaccine coverage	50%	Assumption