🌐 Vivarium Population Spenser: Mortality protocol

🖾 In 1 collection

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1 *Works for me*   dx.doi.org/10.17504/protocols.io.bn79mhr6

Vivarium Population Spenser
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ABSTRACT

Description of the steps followed by Vivarium Population Spenser library when running the Mortality module.

EXTERNAL LINK

https://github.com/alan-turing-institute/vivarium_population_spenser

DOI

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PROTOCOL CITATION

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COLLECTIONS ⓘ

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ABSTRACT

Description of the steps followed by Vivarium Population Spenser library when running the Mortality module.

1   Divide the annual mortality rates for a given local authority by the number of time steps existing in a year.

2   For each time step:

2.1   Select all individuals in the sample that appear as "alive" and have an associated gender.

2.2   For these individuals, get the mortality rate given their age, gender, ethnicity and location and turn it into a probability.

2.3   Using random sampling and the mortality probability of the individuals, choose which individuals die in that time step. Change their status from "alive" to "dead".