SUPPLEMENTARY TABLE 2. Parameters for dynamic measles model to measure the impact of public health interventions on measles outbreak size - Chicago, Illinois, 2024

| Parameter | Median | Method | Notes |
| :--- | :---: | :---: | :---: |

Vaccine efficacy (infant) $\quad 84 \% \quad$| Derived from |
| :---: |
| literature $^{+}$ |

| Vaccine efficacy (not infant) | 92.5\% | Derived from <br> literature $^{\dagger}$ |
| :--- | :--- | :--- |


| Delay from vaccination to <br> immunity (days) | 7 days | Derived from <br> literature $^{+}$ | - |
| :--- | :--- | :--- | :--- |
| Latent period (preinfectious <br> component of incubation <br> period) | 8 days | Derived from <br> literature $^{+}$ | - |


| Infectious period | 5 days | Derived from <br> literature $^{\S}$ |
| :--- | :--- | :--- |


|  |  | - <br> Cases are ascertained after an exponentially <br> distributed delay with mean $=2.5$ days. |
| :--- | :--- | :--- |
| Time from infectiousness <br> onset to case ascertainment | 2.5 days | Derived from <br> literature | | -This parameter is intended to correspond more <br> directly to the difference between symptom and <br> rash onset. |
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Abbreviation: ABC = approximate Bayesian Computation; PERT = Program Evaluation and Review Technique.

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[^0]:    * The PERT distribution is a modified beta distribution, characterized by a minimum value $a$, maximum value $c$, mode $b$, and shape $s$. The mean is $\mu=(a+s b+c) /(s+2)$. The beta shape parameters are $\alpha=(\mu-a)(2 s-a-c) /(c-\mu)(b-a)$ and $\beta=\alpha(c-\mu) /(c-a)$.
    + https://doi.org/10.1056/NEJMoa1602295
    ${ }^{5}$ https://doi.org/10.1016/S2468-2667(23)00130-5
    " https://doi.org/10.1093/infdis/jir102

