Appendix A

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| Table 1 |  |
| Cost inputs and sources of the FSM measles outbreak, May 15 – December 10, 2014. | |
| Cost input | Source |
| CDC wages[[1]](#footnote-1) | [1] |
| FSM wages[[2]](#footnote-2) | [2] |
| Vaccines | CDC internal correspondence |
| Vaccine shipping | CDC internal correspondence |
| Vaccine supplies[[3]](#footnote-3) | [3] |
| CDC deployment costs | CDC internal correspondence |
| FSM logistic costs | [4], FSM internal correspondence |
| Laboratory costs | CDC internal correspondence |
| Laboratory shipping | CDC internal correspondence |
| FSM hospitalization costs | FSM internal correspondence |
| FSM outpatient costs | [5], FSM internal correspondence |
| Value of Statistical Life | [6] |
| Annual Per Capita Gross National Income | [7] |

Cost inputs used in the estimation of (1) containment costs, (2) direct costs, and (3) productivity costs of the 2014 Federated States of Micronesia Measles outbreak paid by the Federated States of Micronesia, the United States, United Nations Children’s Emergency Fund, and World Health Organization.

[1] Feds Data Center: Federal Employee Salaries. 2016.

[2] Office of Statistics, Budget and Economic Management, Overseas Development Assistance and Compact Management (SBOC), Federated States of Micronesia Census. FSM - Labor Market Statistics: Average nominal wage rates by institution, FSM and states, FY2004-FY2013. 2016.

[3] UNICEF Supply Catalogue. 2016.

[4] EPI Unit, Department of Health, FSM. TECHNICAL REPORT OF MEASLES SIA CONDUCTED AS AN OUTBREAK RESPONSE IN FSM (2014). 2015.

[5] World Health Organization. Cost effectiveness and strategic planning (WHO-CHOICE) Quantities and unit prices (cost inputs). 2016.

[6] United States Department of Transportation (DOT). Kathryn Thomson, General Counsel and Carlos Monje, Assistant Secretary for Policy. Revised Departmental Guidance 2014: Treatment of the Value of Preventing Fatalities and Injuries in Preparing Economic Analyses. 2009

[7] International Monetary Fund, World Economic Outlook Database: Report for Selected Countries and Subjects - Federated States of Micronesia. 2016.

1. If actual wage was not available, assumed lowest step in grade level. All CDC deployed staff wages were averaged and applied to the total number of deployment hours. The same process was conducted for non-deployed CDC staff. [↑](#footnote-ref-1)
2. The FSM Census provides an average wage for each state. Because we did not always have the breakdown of labor by state, we averaged the four state average wages. This value was used to calculate FSM labor activities, patient productivity losses, and caregiver time. [↑](#footnote-ref-2)
3. If more than one value was listed, the lower value was used. [↑](#footnote-ref-3)