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# A BILL FOR AN ACT

RELATING TO DENGUE FEVER.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1           SECTION 1. The legislature finds that dengue fever is a  
2 mosquito-borne viral disease that is spread from human-to-human  
3 via mosquitos. Mosquitos carrying the dengue virus are daytime  
4 biters that breed in small pools of water in tropical  
5 environments. Adult mosquitos may be in locations largely  
6 inaccessible to outdoor spraying, which have thwarted mosquito  
7 control efforts.

8           Dengue fever symptoms include high fever, severe headaches,  
9 pain behind the eyes, joint or muscle pain, vomiting, and rash.  
10 Approximately five per cent of ill patients develop severe  
11 dengue that is manifested by bleeding and shock. Infection from  
12 one of the four known dengue viruses produces permanent immunity  
13 only to that virus, enabling up to four dengue infections over  
14 one's lifetime. Therefore, proper recognition of impending  
15 severe dengue and clinical management greatly reduces morbidity  
16 and mortality.



1           Approximately one hundred million dengue illnesses occur  
2 each year in endemic countries throughout the tropical world,  
3 including Hawaii. In 2001, Hawaii experienced a dengue fever  
4 outbreak. One hundred twenty-two laboratory confirmed cases of  
5 dengue fever were identified over a nine-month period between  
6 2001 and 2002 with ninety-two cases on Maui, twenty-six cases on  
7 Oahu, and four cases on Kauai. Recently, the Big Island has  
8 experienced an outbreak of dengue fever. As of January 13,  
9 2016, there have been two hundred fifteen confirmed cases of  
10 dengue fever on the island of Hawaii between September 2015 and  
11 January 2016.

12           The purpose of this Act is to:

- 13           (1) Require the auditor to conduct a management audit to  
14 evaluate the efficiency and effectiveness of the  
15 disease outbreak control division of the department of  
16 health in the division's response to the 2015 outbreak  
17 of dengue fever on the island of Hawaii; and
- 18           (2) Appropriate funds to the department of health for  
19 mosquito assessment and control efforts for the island  
20 of Hawaii to assist in reducing the occurrence and  
21 combatting the risk of dengue fever.



1 SECTION 2. The auditor shall conduct a management audit to  
2 evaluate the efficiency and effectiveness of the disease  
3 outbreak control division of the department of health in the  
4 division's response to the 2015 outbreak of dengue fever on the  
5 island of Hawaii. The management audit shall include, but not  
6 be limited to the efficiency and effectiveness of:

- 7 (1) Dengue fever outbreak response and measures;
- 8 (2) Mosquito assessment and controls;
- 9 (3) Community outreach;
- 10 (4) Outreach to health care providers;
- 11 (5) Laboratory testing;
- 12 (6) Communications;
- 13 (7) Coordination of response efforts;
- 14 (8) Collaboration with the Centers for Disease Control and  
15 Prevention;
- 16 (9) Implementation of best practices; and
- 17 (10) Any other matters that the auditor deems appropriate.

18 Furthermore, the auditor shall compare and contrast the disease  
19 outbreak control division's response to the 2011 dengue fever  
20 outbreak on the island of Maui with the 2015 dengue fever  
21 outbreak on the island of Hawaii.



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1           The auditor shall report to the legislature with its  
 2 findings and recommendations, including any proposed  
 3 legislation, no later than twenty days prior to the convening of  
 4 the regular session of 2017.

5           SECTION 3. There is appropriated out of the general  
 6 revenues of the State of Hawaii the sum of \$500,000 or so much  
 7 thereof as may be necessary for fiscal year 2016-2017 for  
 8 mosquito assessment and control efforts on the island of Hawaii  
 9 to assist in reducing the occurrence and combatting the risk of  
 10 dengue fever.

11           The sum appropriated shall be expended by the department of  
 12 health for the purposes of this Act.

13           SECTION 4. This Act shall take effect on July 1, 2016.  
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INTRODUCED BY:

*[Signature]*

*[Signature]*  
*[Signature]*

*Will You*  
*[Signature]*

*[Signature]*

*[Signature]*



# S.B. NO. 2465

**Report Title:**

Dengue Fever; Department of Health; Management Audit; Auditor; Appropriation

**Description:**

Requires the auditor to conduct a management audit to evaluate the efficiency and effectiveness of the disease outbreak control division of the department of health in the division's response to the 2015 outbreak of dengue fever on the island of Hawaii. Appropriates funds to the department of health for mosquito assessment and control efforts for the island of Hawaii to assist in reducing the occurrence and combatting the risk of dengue fever.

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

