



Guidelines for Phased Response to Eastern Equine Encephalitis (EEE) Surveillance Data

Definitions:

Sporadic EEE Activity

- A few positive mosquito pools are detected during non-consecutive weeks with no geographic clustering

Sustained EEE Activity

- Positive mosquito pools are detected for at least 2 consecutive weeks with geographic clustering

Note: Two consecutive weekly findings from the same trap may not always be indicative of sustained activity

Probability of Locally Acquired Human Disease	Definition of Risk Category	Recommended Response
<p>Eastern Equine Encephalitis Low Risk</p>	<p>Low Risk If:</p> <p>No evidence of EEE activity in mosquito pools statewide</p> <p><i>AND</i></p> <p>No animal/human cases</p> <p>Note: Neighboring state’s surveillance data should be considered when determining risk level and response</p>	<p>Larvicide:</p> <ol style="list-style-type: none"> 1. RIDEM makes larvicide available to all interested municipalities to treat storm drains <p>Education:</p> <ol style="list-style-type: none"> 1. RIDEM issues weekly press release on: <ol style="list-style-type: none"> a) Mosquito surveillance results b) Personal protective measures 2. Public Education using: <ol style="list-style-type: none"> a) Printed materials b) Social Media Posts 3. RIDOH/RIDEM web-sites are updated weekly 4. RIDOH issues ‘Arboviral Activity Updates’ every other week



Probability of Locally Acquired Human Disease	Definition of Risk Category	Recommended Response
<p align="center">Eastern Equine Encephalitis Medium Risk</p>	<p>Medium Risk If:</p> <p>Sporadic EEE activity in mosquito pools containing bird-biting species only (e.g. <i>Culiseta melanura</i>)</p> <p>AND</p> <p>No mammal/human cases</p> <p>OR</p> <p>activity in neighboring states at the border that suggests potential risk in RI</p> <p>Note: Neighboring state’s surveillance data should be considered when determining risk level and response</p>	<p>Larvicide:</p> <ol style="list-style-type: none"> RIDEM makes larvicide available to all interested municipalities to treat storm drains <p>Education:</p> <ol style="list-style-type: none"> RIDEM issues weekly press release on: <ol style="list-style-type: none"> Mosquito surveillance results Personal protective measures Public Education using: <ol style="list-style-type: none"> Printed materials Social Media Posts RIDOH/RIDEM web-sites are updated weekly <p>Surveillance:</p> <ol style="list-style-type: none"> Supplemental mosquito trapping and testing may be performed in areas where sporadic EEE activity has been identified RIDOH convenes the Mosquito-Borne Disease Advisory Group (MBDAG) to assess situation and make recommendations



Probability of Locally Acquired Human Disease	Definition of Risk Category	Recommended Response
<p>Eastern Equine Encephalitis High Risk</p>	<p>High Risk if:</p> <p>EEE activity in mosquito pools containing human biting and cross-biting species (e.g. <i>Coquillettidia perturbans</i>, <i>Aedes</i> species & <i>Culex</i> species)</p> <p>OR</p> <p>One or more mammal/human cases</p> <p>OR</p> <p>Significant activity on the border of neighboring states, indicating a higher risk in Rhode Island</p> <p>Note: Neighboring state’s surveillance data should be considered when determining risk level and response</p>	<p>EEE Medium Risk Responses plus:</p> <p>Education:</p> <ol style="list-style-type: none"> 1. RIDEM/RIDOH issues joint press release regarding the elevated risk level 2. If there is a human case, RIDOH issues press release 3. Provider Advisory is issued by RIDOH 4. Intensify public education on protective measures using all channels of communication 5. Recommend reduction of outdoor activities during peak mosquito activity hours 6. Display EEE signage at central locations at all RIDEM managed parks, beaches and campgrounds <p>Larval Management:</p> <ol style="list-style-type: none"> 1. Consider larval reduction targeted at known habitat sites for vector species involved in transmission <p>Adulticide:</p> <ol style="list-style-type: none"> 1. RIDOH convenes the Mosquito-Borne Disease Advisory Group (MBDAG) to assess situation and make recommendations



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		<p>2. Considerations for aerial/ground spraying include:</p> <ul style="list-style-type: none"> a. Time of year b. Weather conditions c. Canopy cover in the area d. Population that would be protected e. Range of group spraying <p>3. If aerial spraying is recommended:</p> <ul style="list-style-type: none"> a) MBDAG briefs RIDOH, RIDEM, Governor’s Office and municipalities on the recommendation b) RIDOH/RIDEM jointly develop and convey public health messages c) Provider Advisory issued by RIDOH d) RIDEM operationalizes aerial spraying <p>Surveillance:</p> <ul style="list-style-type: none"> 1. Supplemental mosquito trapping and testing may be performed in areas where a human or animal case may have been geographically exposed



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<p>Eastern Equine Encephalitis Critical Risk</p>	<p>Critical Risk if:</p> <p>Sustained EEE activity in mosquito pools containing human biting and cross-biting species (e.g. <i>Coquillettidia perturbans</i>, <i>Aedes</i> species & <i>Culex</i> species) with geographic clustering</p> <p>AND</p> <p>One or more mammal/human cases</p> <p>OR</p> <p>Multiple human and/or mammal cases with geographic clustering</p> <p>Note: Neighboring state’s surveillance data should be considered when determining risk level and response</p>	<p>Adulticide:</p> <ol style="list-style-type: none"> 1. RIDOH convenes the Mosquito-Borne Disease Advisory Group (MBDAG) to assess situation and make recommendations 2. Considerations for aerial/ground spraying include: <ol style="list-style-type: none"> a. Time of year b. Weather conditions c. Canopy cover in the area d. Population that would be protected e. Range of ground spraying 3. If aerial spraying is recommended: <ol style="list-style-type: none"> a. MBDAG briefs RIDOH, RIDEM, Governor’s Office and municipalities on the recommendation b. RIDOH/RIDEM jointly develop and convey public health messages c. Provider advisory issued by RIDOH d. RIDEM operationalizes aerial spraying