Reducing the global burden of leptospirosis

A worthwhile investment towards significant change

BUDGET PROPOSAL, 2009-2012

Get involved...

<table>
<thead>
<tr>
<th>Budget for estimating the global burden of human leptospirosis</th>
<th>USD</th>
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</thead>
<tbody>
<tr>
<td>LERG meetings (December 2009, September 2010, March 2011)</td>
<td>241 000</td>
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<tr>
<td>Contracted burden work</td>
<td>211 000</td>
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<tr>
<td>Systematic literature review, transmission model &amp; risk mapping, country tools</td>
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<tr>
<td>Country work</td>
<td>200 000</td>
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<tr>
<td>Pilot studies to translate estimates to policy, Country extension and communication of results</td>
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<tr>
<td>Communication materials</td>
<td>151 000</td>
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<tr>
<td>LERG publications, country extension materials</td>
<td></td>
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<tr>
<td>Update guidance on diagnosis, surveillance, control and management of leptospirosis</td>
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<tr>
<td>Total</td>
<td>803 000</td>
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</tbody>
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CONVERTING DISEASE BURDEN ESTIMATES INTO GLOBAL IMPACT

- People living in unsanitary conditions in peri-urban slums are at greater risk of leptospirosis infection. One billion of the world’s population resides in slums and the number is expected to double by 2035.
- Environmental trends causing unusually high rainfall and flooding give rise to severe leptospirosis epidemics.
- Livelihoods of rural communities are at risk when farmers are in ill-health from diseases like leptospirosis which contributes to a cycle of disease and economic disparity in low income countries.

RISK FACTORS FOR LEPTOSPIROSIS:

- Increased rainfall and flooding
- Inadequate floodwater drainage
- Slum dwellings
- Proximity to open sewers
- Overcrowding
- Contact with animals
- Poor hygiene and sanitation
- Workplace exposure

THE PLAN

With funding LERG plans to:

- Convene LERG to estimate the burden of human leptospirosis worldwide according to age, sex and WHO regions
- Develop a transmission model for leptospirosis
- Produce risk mapping tools
- Facilitate knowledge translation into policy
- Provide countries with appropriate tools and knowledge

For further information about LERG: www.who.int/zoonoses/diseases/lerg/en/
E-mail: lerg@who.int

World Health Organization
Department of Food Safety and Zoonoses
Health Security and Environment
WORLD HEALTH ORGANIZATION
20 Avenue Appia - 1211 Geneva 27 - Switzerland