Making Moves on Malaria
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Need Statement
To treat malaria in Cameroon.

Approach Statement
Adapting an already existing infrastructure of public transportation to get supplies to hard to reach places in a cost effective way.

Background
- 90% of malaria related deaths occur in Africa (1).
- 2.5 Million people live in Yaoundé (2).
- About 65% of public transportation in South Africa is by taxi (3).

Methodology

<table>
<thead>
<tr>
<th>Pre Data Collection</th>
<th>Incidence</th>
<th>Transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution</td>
<td>ACT/Primaquine</td>
<td>Doses/ Timing</td>
</tr>
<tr>
<td>Recruit Transport Personnel</td>
<td>Community Outreach Workers</td>
<td>Transport Officials</td>
</tr>
<tr>
<td>Post Data Collection</td>
<td>Incidence</td>
<td>Transmission</td>
</tr>
</tbody>
</table>

Recommendations
- ACT and Primaquine administered to 95% of Yaoundé (4).
- Malaria eliminated after 4 years.
- 100 people treated per taxi (5).

Results
- Use of ACT and Primaquine greatly reduced incidence of malaria (4) and the use of taxis was cost efficient (5).
- Expand the program to other cities in Cameroon and to other countries as well as utilize other forms of transportation (i.e. mini buses).

References

Incidence of Malaria

Conclusions
Use of ACT and Primaquine greatly reduced incidence of malaria (4) and the use of taxis was cost efficient (5).

Graph: Incidence of Malaria
- Comparison of population of Yaoundé and population of Yaoundé with Malaria
- Yearly data from 2015 to 2019

Table: Incidence of Malaria

<table>
<thead>
<tr>
<th>Year</th>
<th>Pop. Of Yaoundé (Millions)</th>
<th>Pop. With Malaria (Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>2.5</td>
<td>1.0</td>
</tr>
<tr>
<td>2016</td>
<td>2.8</td>
<td>0.9</td>
</tr>
<tr>
<td>2017</td>
<td>3.0</td>
<td>0.65</td>
</tr>
<tr>
<td>2018</td>
<td>3.2</td>
<td>0.40</td>
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<tr>
<td>2019</td>
<td>3.4</td>
<td>0.15</td>
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