

WPI

Making Moves on Malaria

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Need Statement

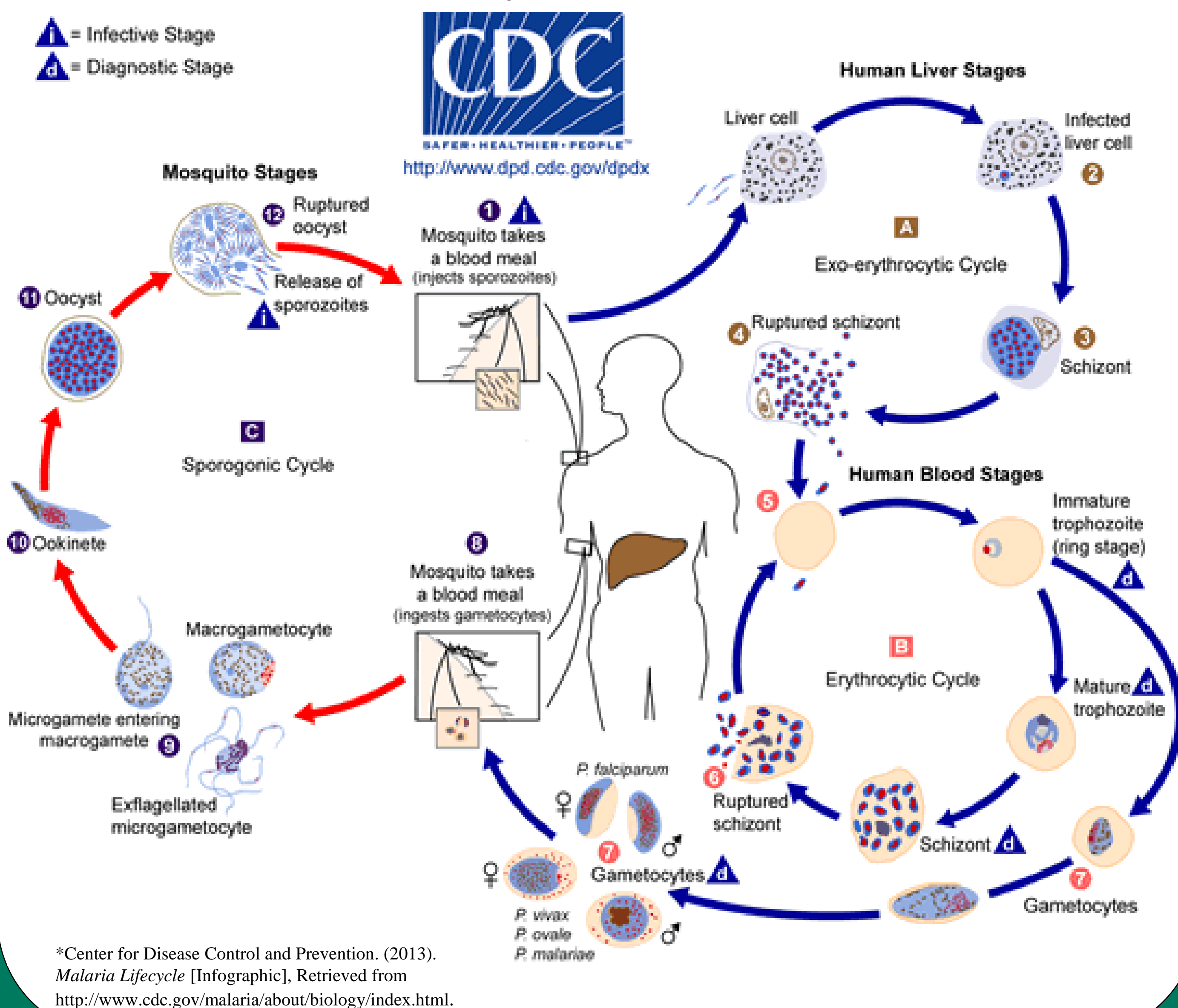
To treat malaria in Cameroon.

Approach Statement

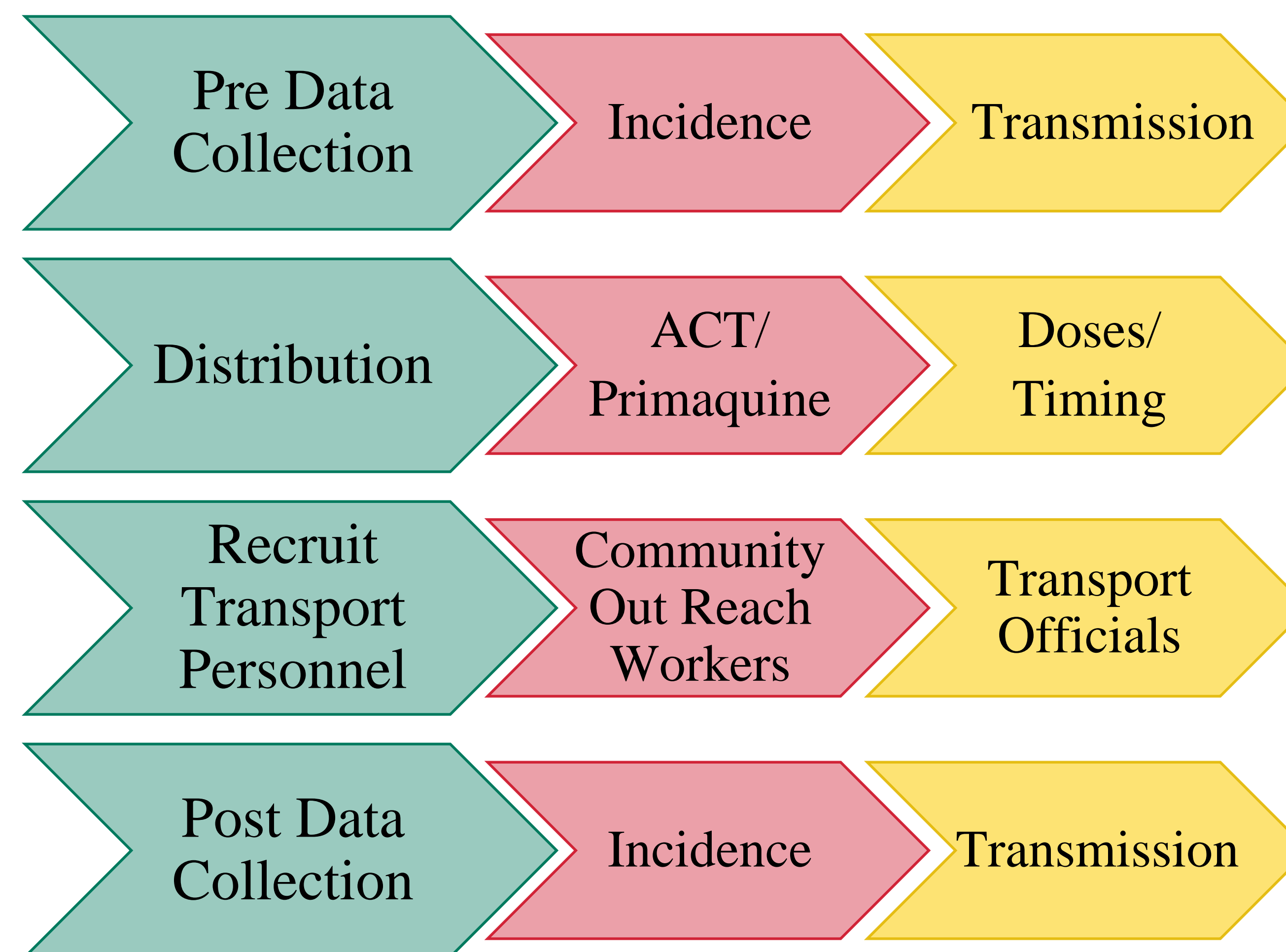
Adapting an already existing infrastructure of public transportation to get supplies to hard to reach places in a cost effective way.

Background

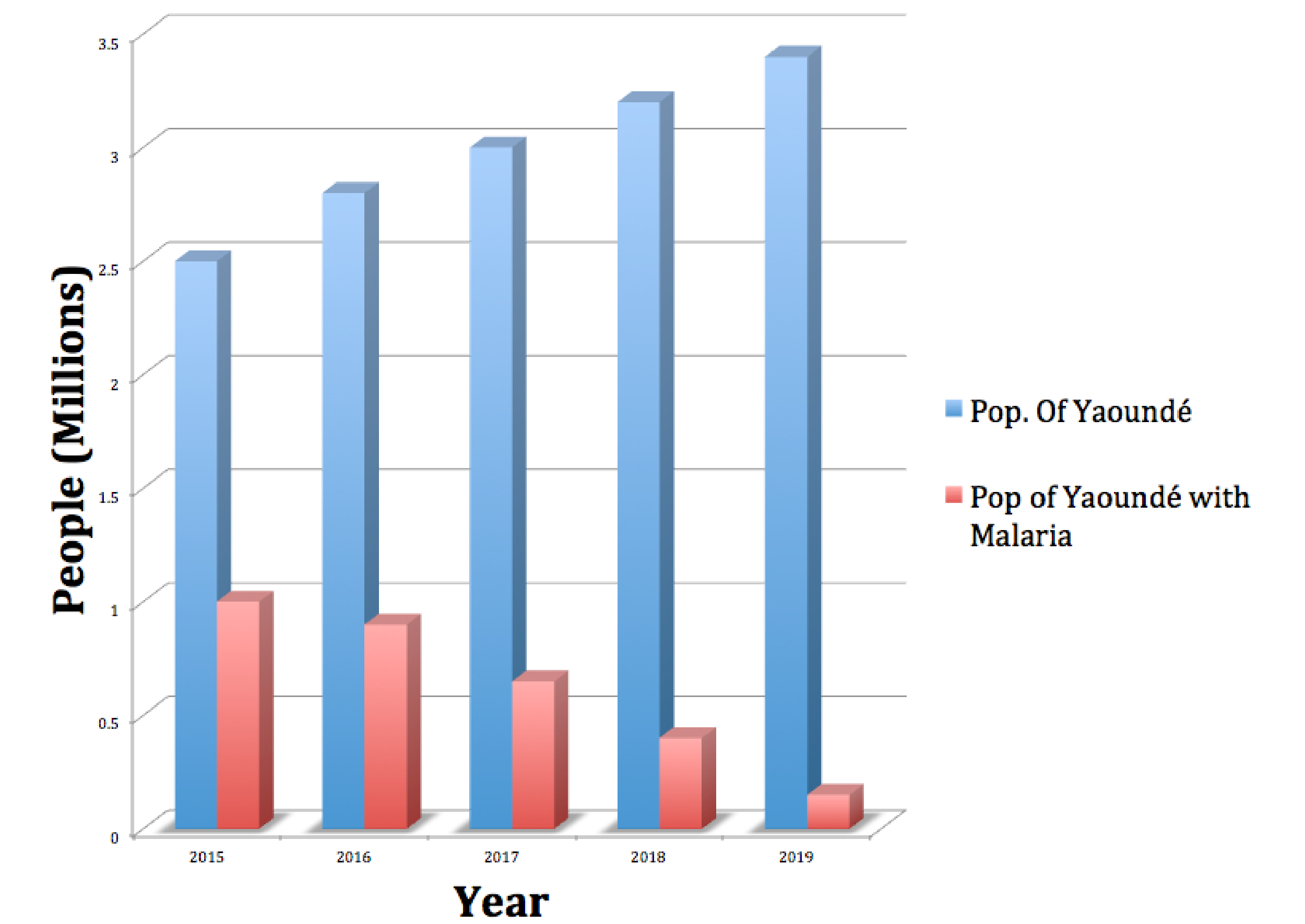
- 90% of malaria related deaths occur in Africa (1).
- 2.5 Million people live in Yaoundé (2)
- About 65% of public transportation in South Africa is by taxi (3).



Methods



Incidence of Malaria



Results

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

	Pop. Of Yaoundé (Millions)	Pop. With Malaria (Millions)
2015	2.5	1.0
2016	2.8	0.9
2017	3.0	0.65
2018	3.2	0.40
2019	3.4	0.15

Conclusions

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

Recommendations

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

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