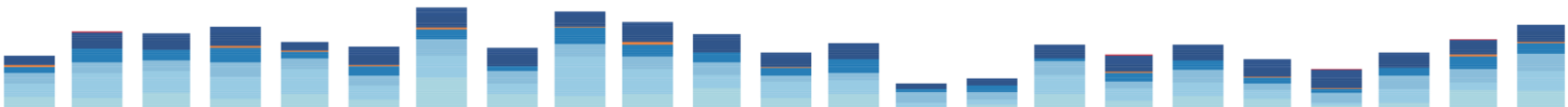




Democratizing Geospatial Analysis

Kent Marten, Principal Product Manager, Maps and Spatial Analysis, Tableau

kmarten@tableau.com | [@datakmart](https://twitter.com/datakmart)



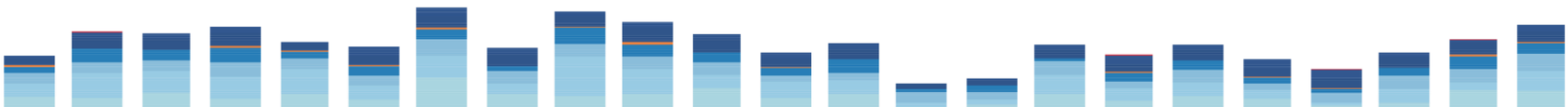


Democratizing Geospatial Analysis

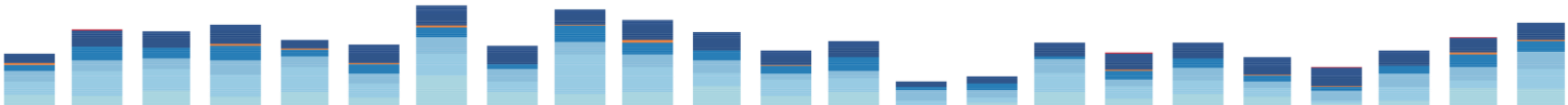
In Support of Visualizing No Malaria

Kent Marten, Principal Product Manager, Maps and Spatial Analysis, Tableau

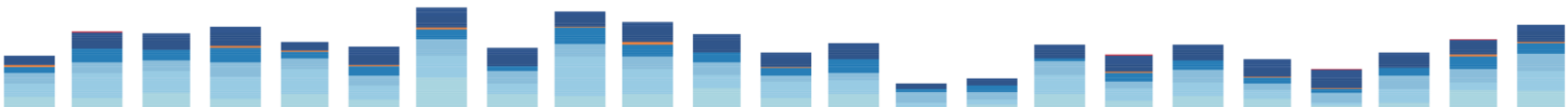
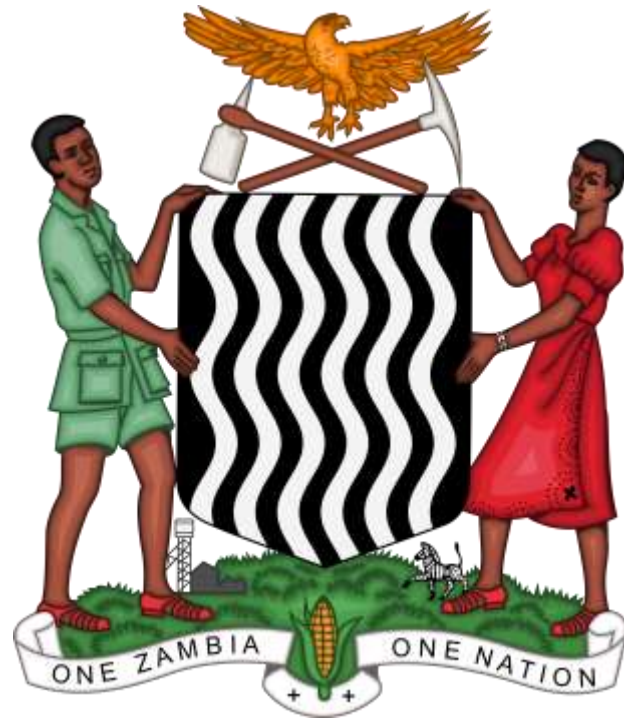
kmarten@tableau.com | [@datakmart](https://twitter.com/datakmart)



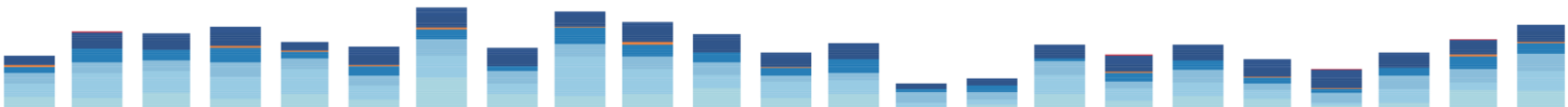
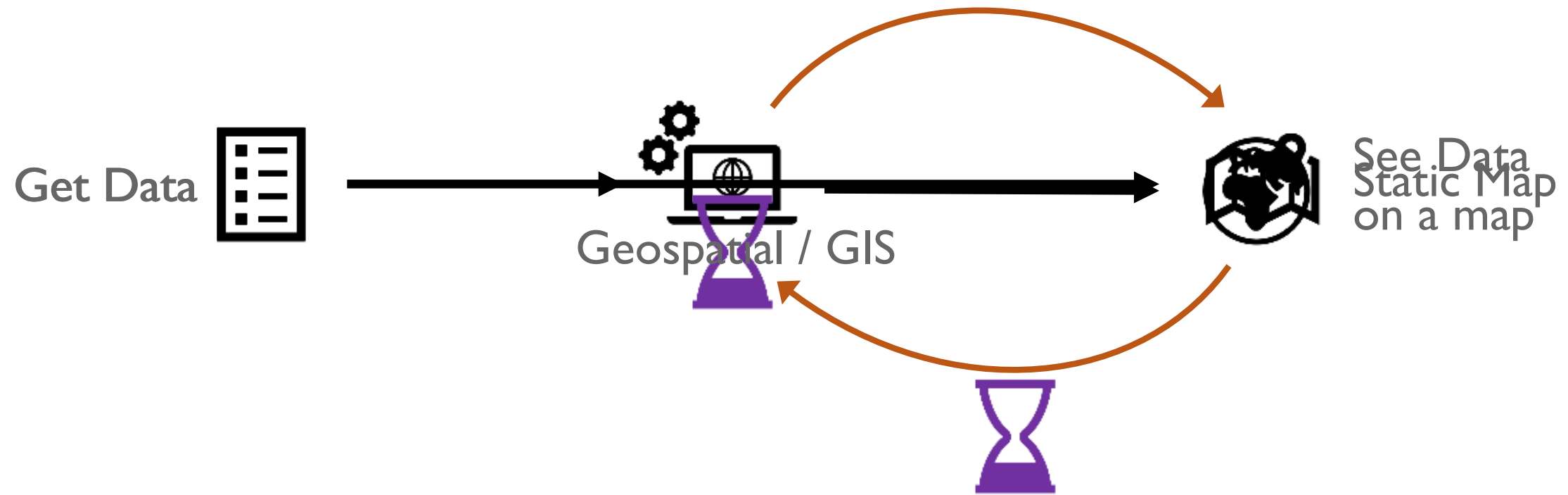
We help people see and understand data.



The Visualize No Malaria project.



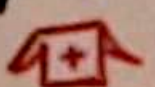



What are the challenges?

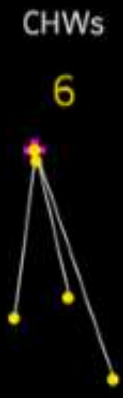
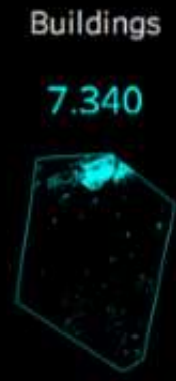
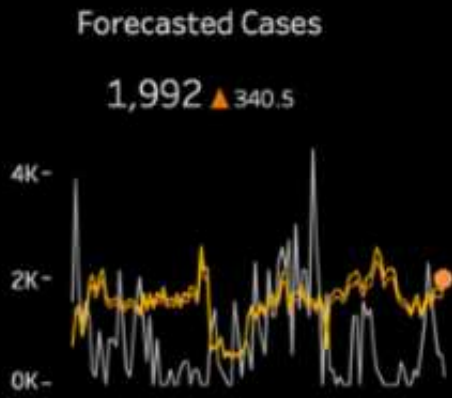




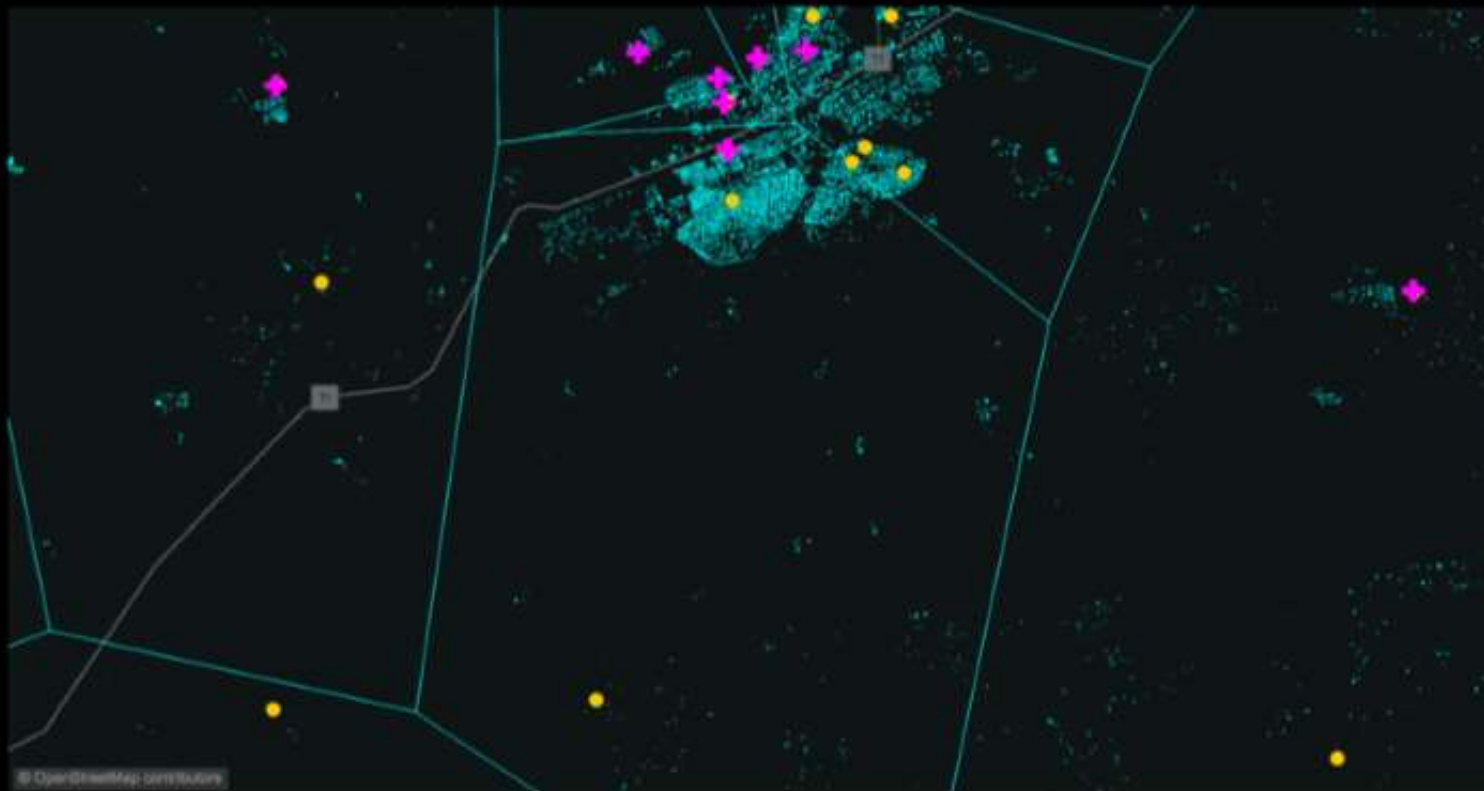
ZAMBEZI RIVER

-  High costs of maintenance
-  Bridge
-  Health facility
-  Medium costs

Situation Awareness: Urban Health Centre A- February 12, 2017



Facility Catchment Area



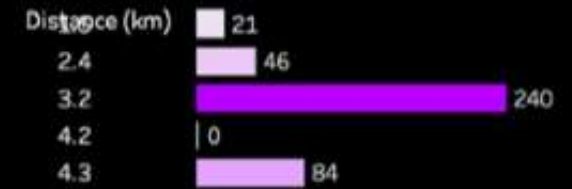
Facility RDTs

235

- Urban Health Centre D
- Affiliated Health Centre X
- Health Centre F
- Urban Health Centre J
- Health Post Q

CHW RDTs

95



Facility Treatment Units

357

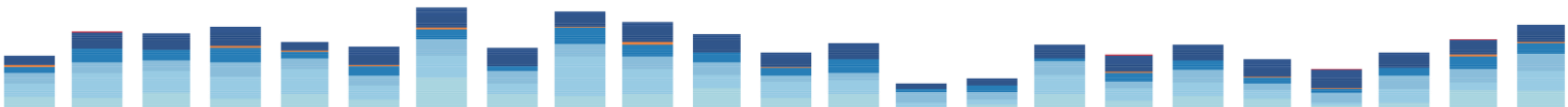
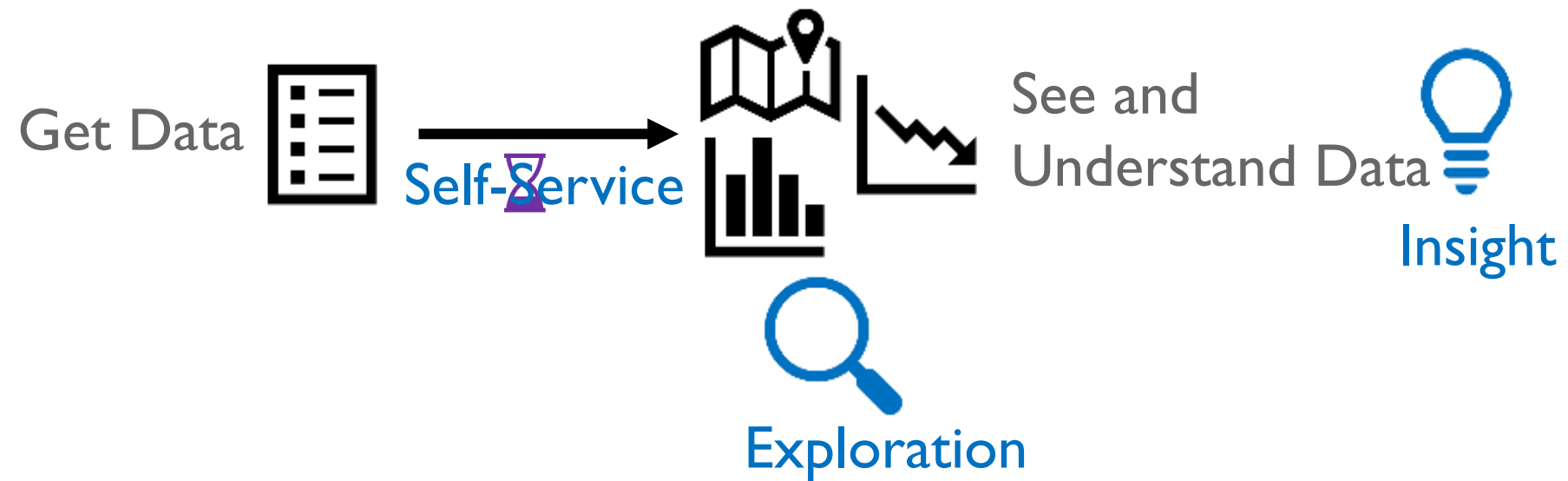
- Urban Health Centre D
- Affiliated Health Centre X
- Health Centre F
- Urban Health Centre J
- Health Post Q

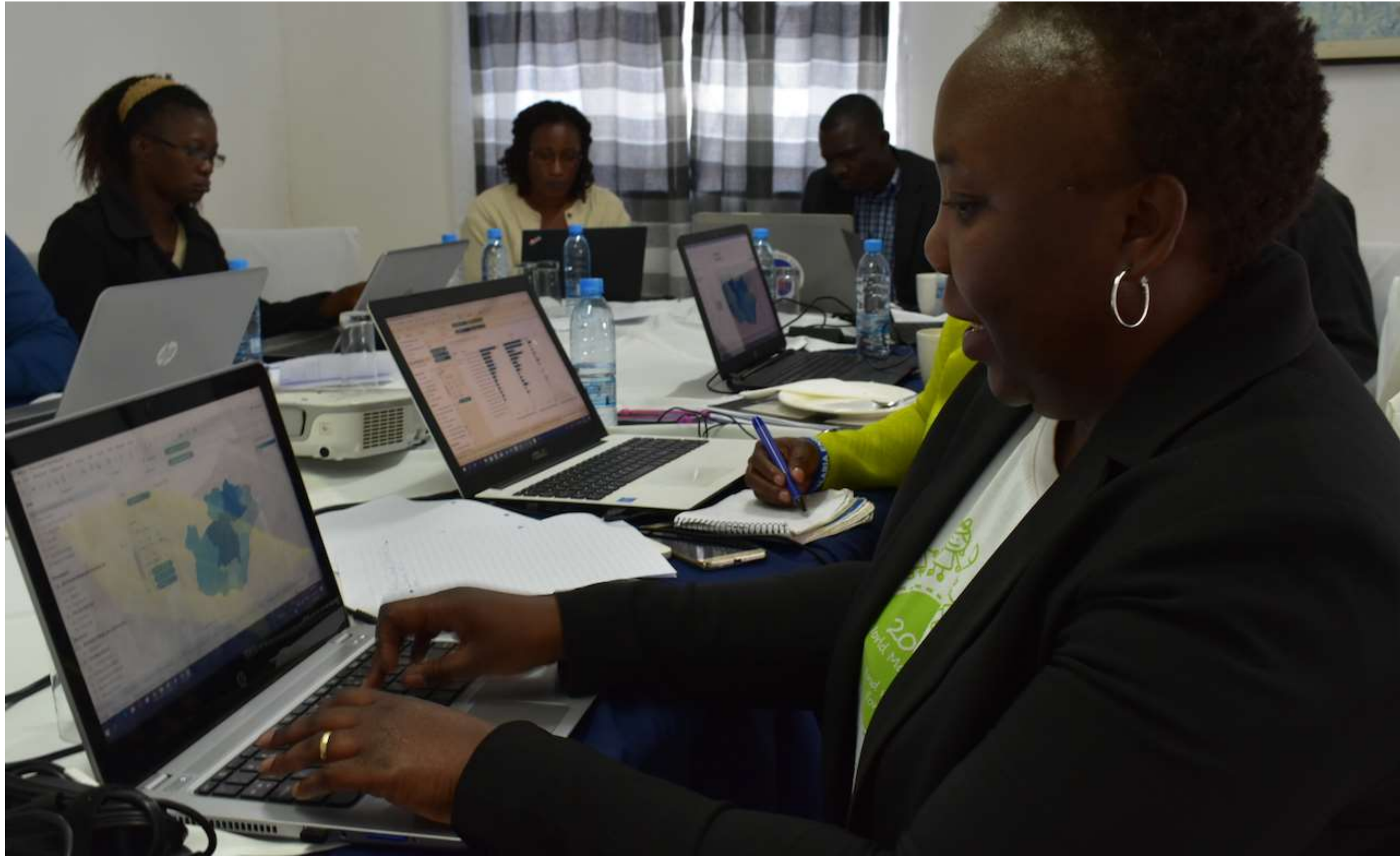
CHW Treatment Units

75



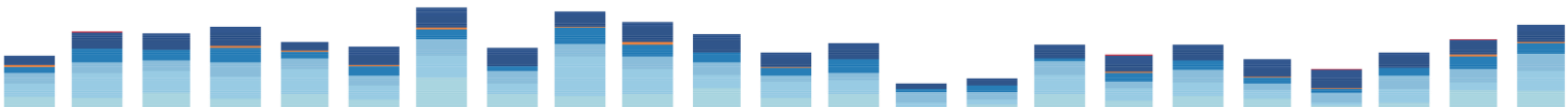
Success and progress through empowerment.





“ Everything is at my fingertips—it’s just a click, then you have it all. You know where the hot spots are and where the data is missing. You have a true picture immediately. ”

– Marianne Soko
Environmental Health Officer
District of Itezhi-Tezhi, Zambia

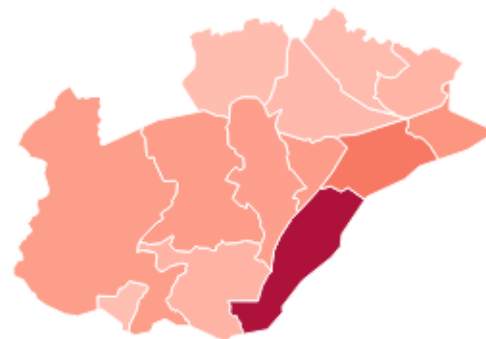




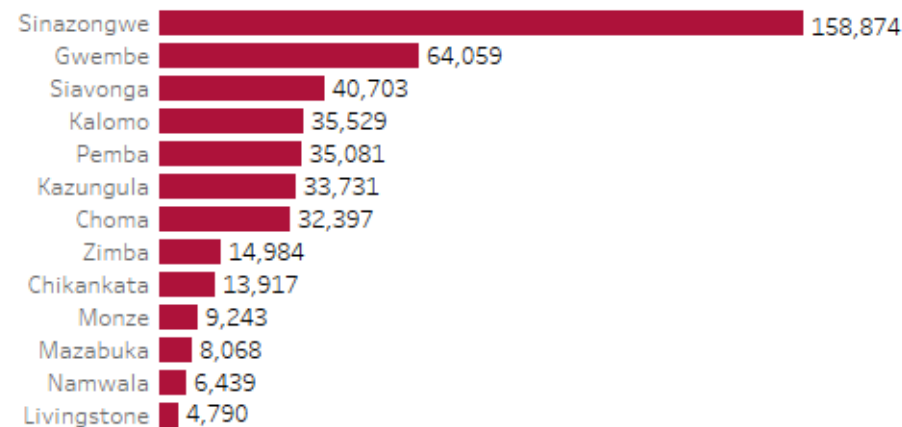
Tesi 4 Liv

Zambia's Reported Cases of Malaria are Declining...However Rainy Season Cases are Still Troublesome

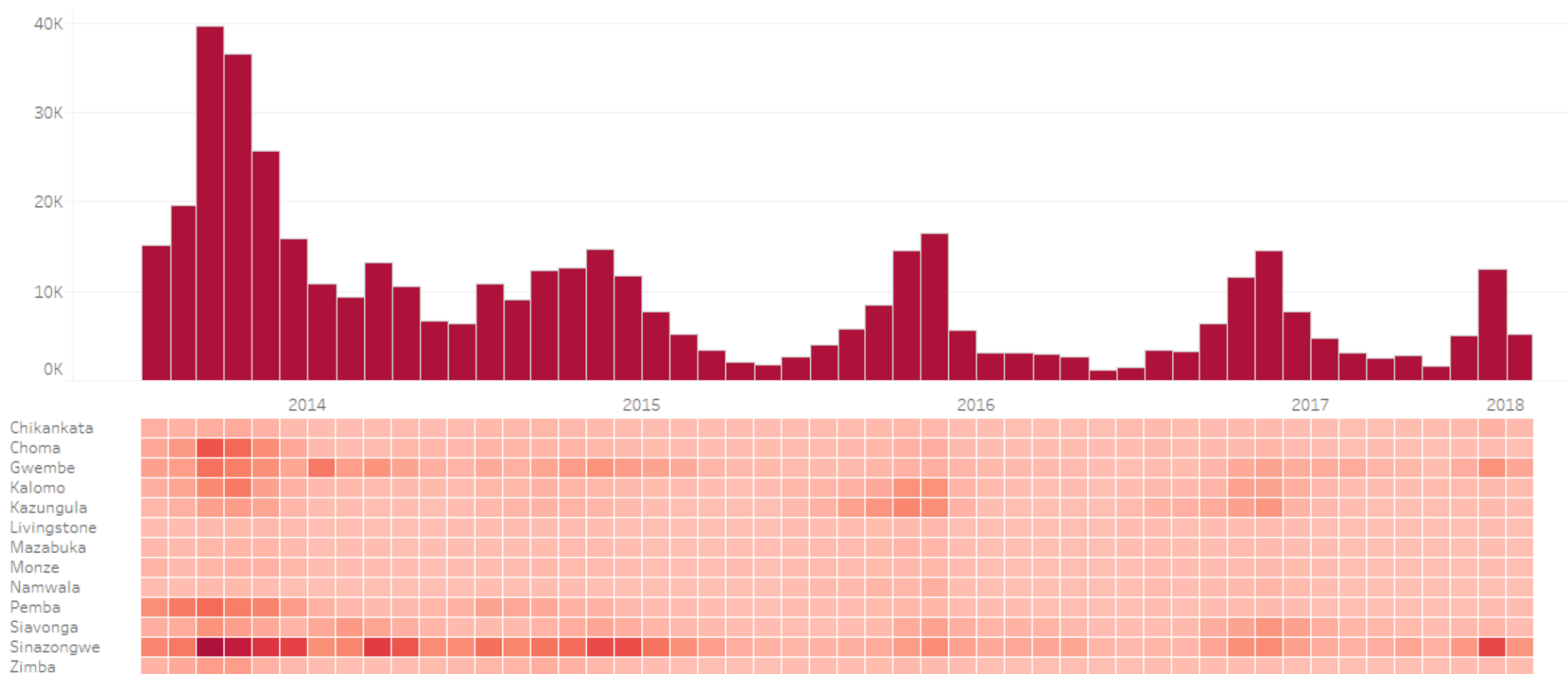
Select a District to filter



457,815
Malaria Cases



Hover over a data point for addition information and filtering

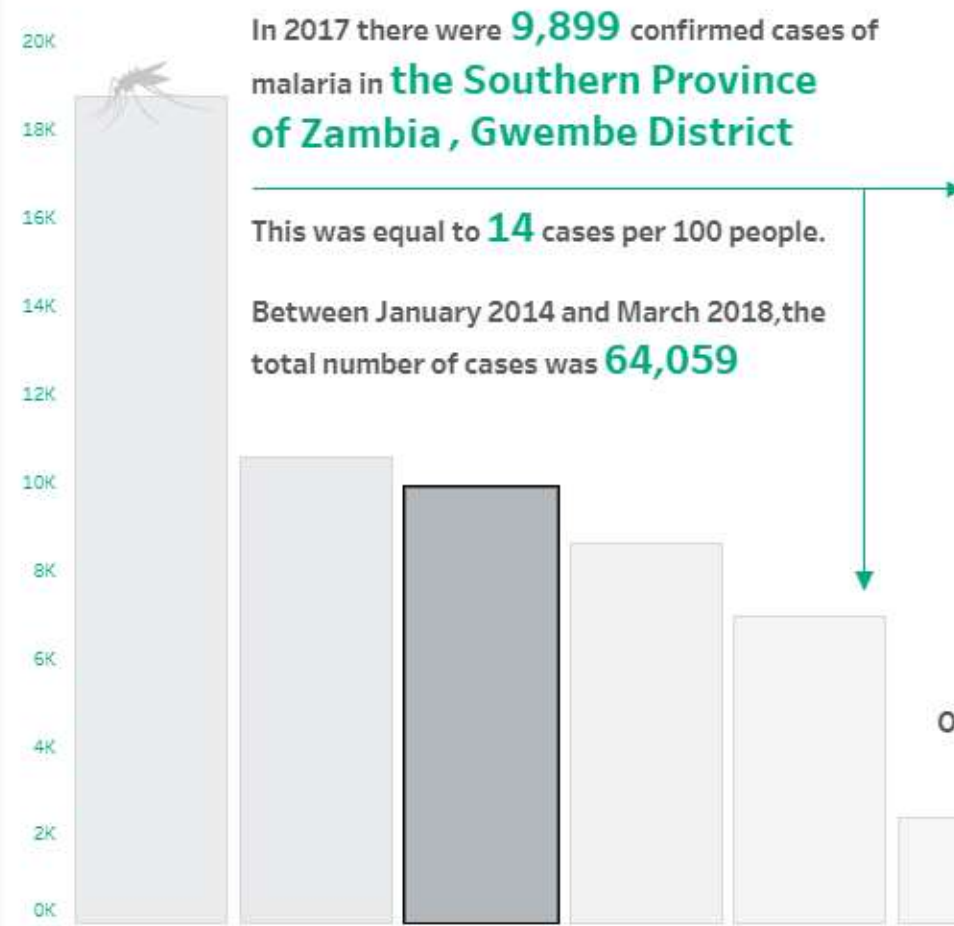




#VisualizeNoMalaria... in Zambia

Malaria is a serious tropical disease spread by mosquitoes. If it isn't diagnosed and treated promptly, it can be fatal.

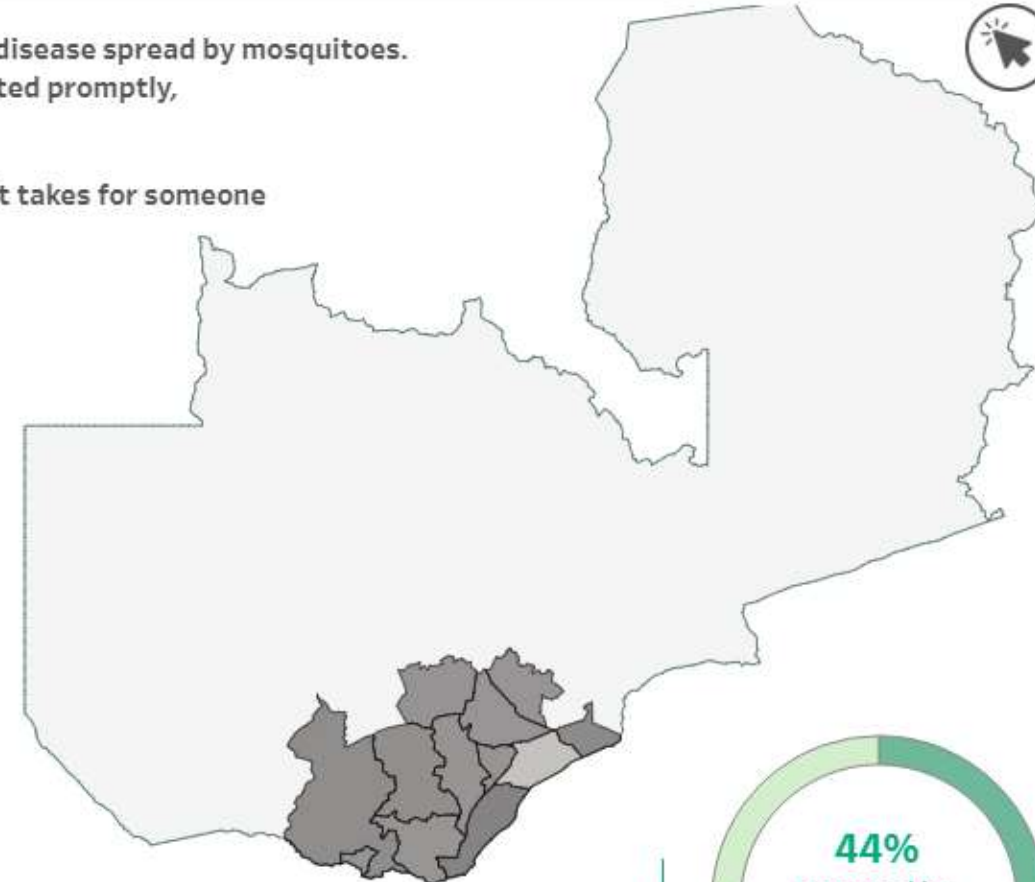
A single mosquito bite is all it takes for someone to become infected.



In 2017 there were **9,899** confirmed cases of malaria in **the Southern Province of Zambia, Gwembe District**

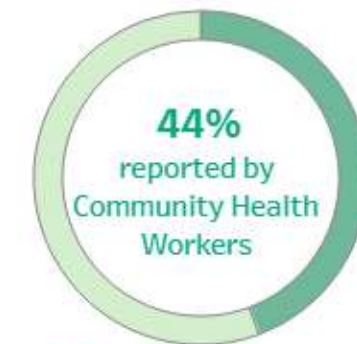
This was equal to **14** cases per 100 people.

Between January 2014 and March 2018, the total number of cases was **64,059**



Community health workers have an essential role in the fight against malaria.

On average, **44%** of the cases are reported by them, but in some areas the proportion is much higher.



Community Health Worker
Health Facility



Learn more.

Thank you.
Kent Marten
[@datakmart](#)

#VisualizeNoMalaria

<https://www.path.org/visualize-no-malaria/>

#MakeoverMonday

#VizForSocialGood

<https://www.vizforsocialgood.com/our-work>

Monitoring with Living Reports

<https://www.tableau.com/foundation> | [Living Report](#)

<https://www.splash.org/impact>

