



UNIVERSITY OF  
LIVERPOOL



# MAKING AN IMPACT

WITH THE DEPARTMENT OF EVOLUTION,  
ECOLOGY AND BEHAVIOUR



FIGHTING DISEASE IN  
BRAZIL'S COMMUNITIES

Salvador, Brazil.



Kids are hitting the streets



armed with sharp wits



and smartphones.

Fighting a menace that's been causing harm to their communities.



As cities around the world expand, more and more people live in slums.

The perfect habitat for animals that spread disease.



The bite of a mosquito can give you malaria, dengue, or Zika.

Rats carry bacteria that cause leptospirosis.

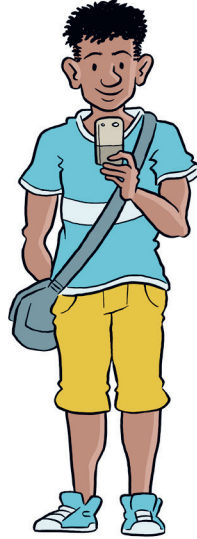
Things need to change. But change needs help from the community. After all, they know their city best.



Animal tracking plates.



Smartphones.



Mobile microscopes.



These are the tools being put into the hands of the city's youth.

Working with our ecologists and epidemiologists, these young people tackle essential tasks...

Identifying trouble spots where disease may spread.

Sharing their disease-busting knowledge with their communities.

Designing local ways to fight back against the causes of disease.



The Department of Evolution, Ecology and Behaviour is **making an impact.**

We study the biology of animals, plants and microbes to understand the processes driving the natural world.

Discover our innovative work tackling diseases in some of Brazil's poorest communities.

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To find out more about this project, and other work in the Department, visit:

[liverpool.ac.uk/evolution](http://liverpool.ac.uk/evolution)

Written by Dr James Hall and Edward Ross. Illustrated and designed by Edward Ross. Thanks to Professor Michael Begon.