

ThoughtWorks®

A Story of Care

OPEN SOURCE AND HAITI

Mário Areias

www.marioareias.com

WHAT IS THIS TALK ABOUT?

Hôpital
Universitaire
de Mirebalais

OpenMRS



THIS IS ABOUT THEM

Photo: Pwojè men kontre

CONTEXT

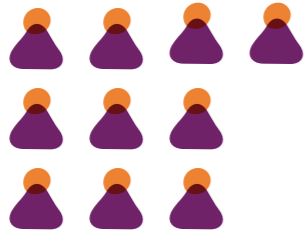
HAITI

History and Politics



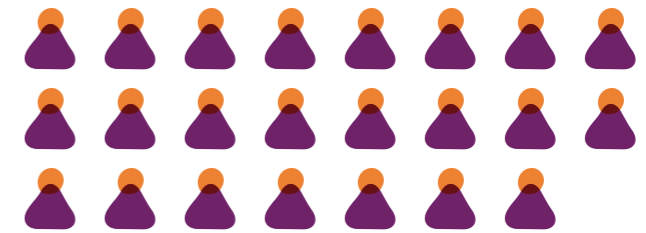


ECONOMICS



10.3MM

population



23.1MM



U\$ 77

*health expenditure
per capita*



U\$ 5,827



8.5 B

GDP



\$1.56T

EARTHQUAKE 2010



EARTHQUAKE 2010





Partners In Health

“Health is a human right”



FROM SMALL TO BIG

Source: Build Health International

LOCATION



Gonaives

Saint-Marc

Hispaniola

Mirebalais

Carrefour

Port-au-Prince

Pétionville

Enrico

Cap

BIG HOSPITAL...



...BIG PROBLEMS

Infrastructure

Staffing

Logistics

Funding

....and Software!

CULTURES



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THE BEGINNING

TRIP TO HAITI



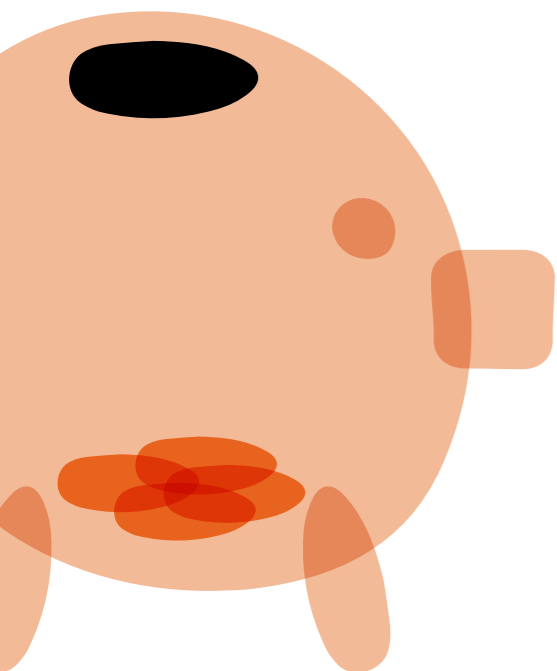
FORMING A TEAM



PROJECT CONSTRAINTS



months

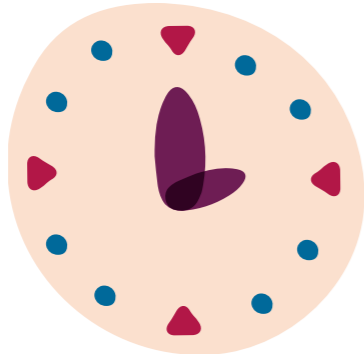


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DAY BY DAY

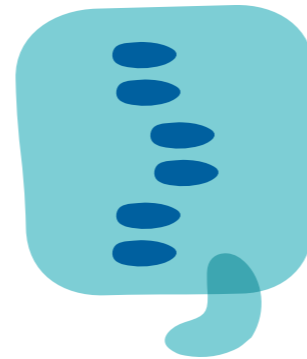
COMMUNICATION



Core hours



Retrospectives



IRC



TV



Pairing

UNDERSTAND YOUR USER



Prototypes

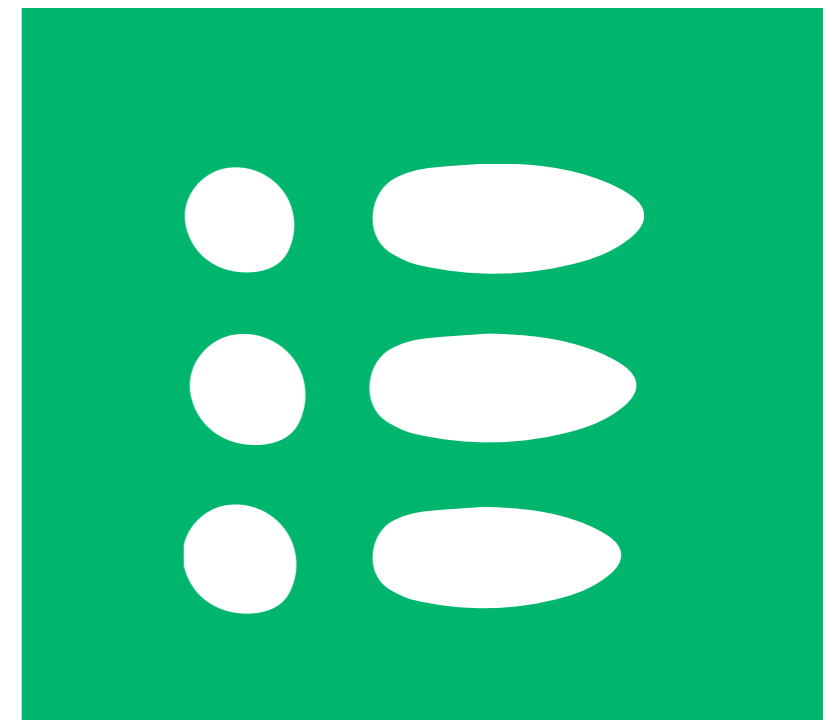
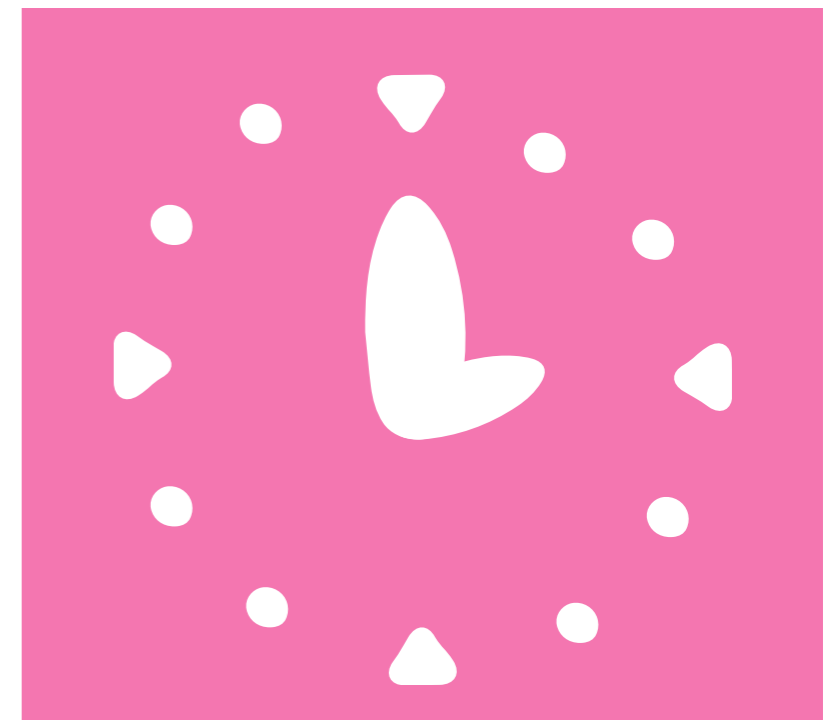
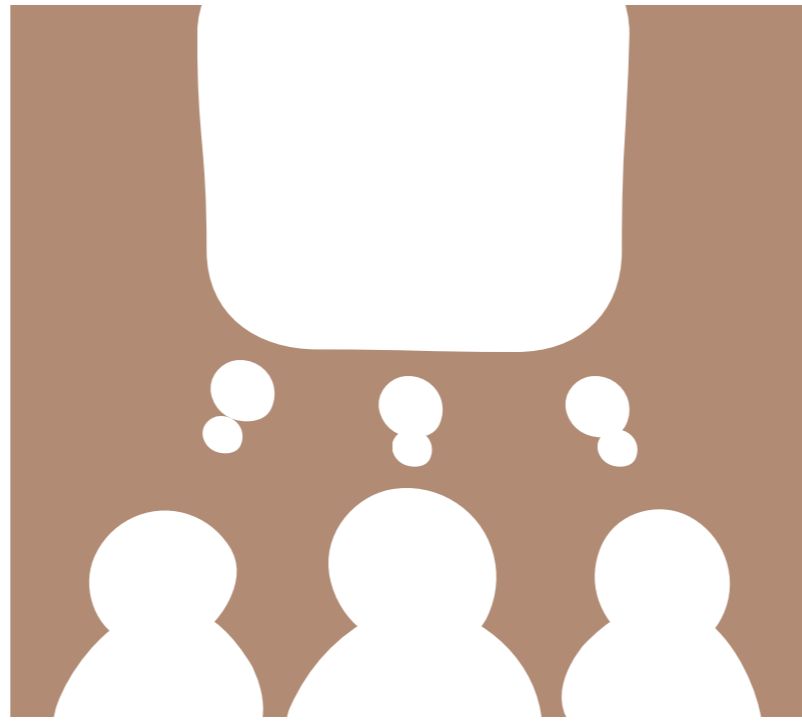
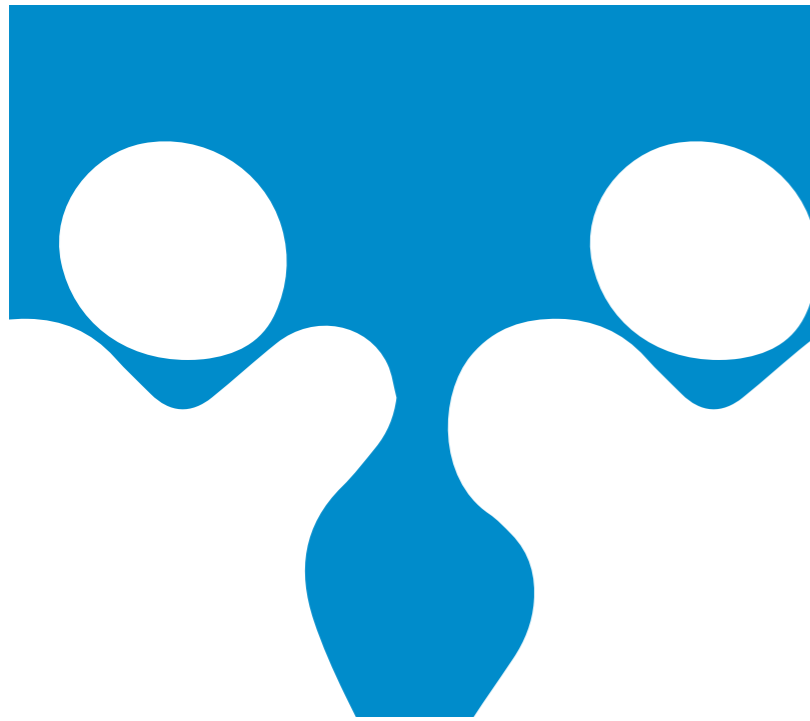


A/B Testing



User Testing

ENGAGING STAKEHOLDERS



TWO DIFFERENT GOALS



product



OpenMRS platform

TECHNICAL CHALLENGES

OpenMRS
code base

Testing
Strategy

CREATING A PRODUCT



Test
assumptions
quickly

Patient Dashboard



Continuous
Delivery

Path to Prod!

AFTER 6 MONTHS



**KEEP
CALM
WE'RE
GOING
LIVE**

THE LAST MILE



Meet in Boston



Training PIH Staff



BAs to Haiti
for launch...



...should have
sent a dev too

OPENING

Partners  Zanmi
in Health 
Ben Stiller
Arts for Health

Partners  Zanmi
in Health 
Emerson Hernandez
Thoughtworks

IMPACT



170,000+

unique patients



540,000+

interactions



500+

active users

GIVING BACK TO OPENMRS



Extract



Abstract



Be inclusive



Get input



OPENMRS 2.0

Logged in as Super User (admin) at Inpatient Ward.



Find Patient Record



Active Visits



Register a patient



Capture Vitals



Appointment
Scheduling



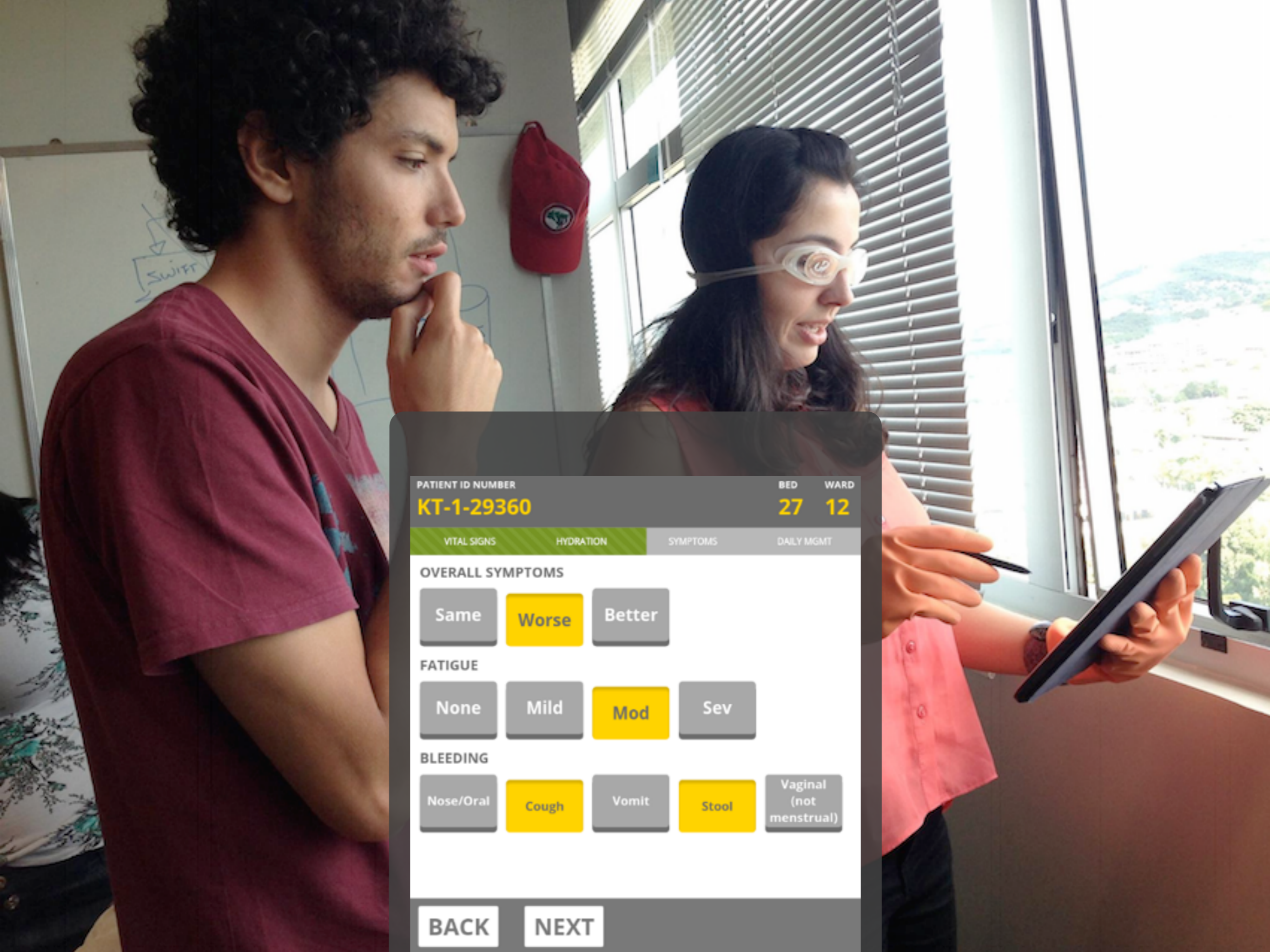
Data Management



Configure Metadata



System
Administration



PATIENT ID NUMBER

KT-1-29360

BED

27

WARD

12

VITAL SIGNS

HYDRATION

SYMPTOMS

DAILY MGMT

OVERALL SYMPTOMS

Same

Worse

Better

FATIGUE

None

Mild

Mod

Sev

BLEEDING

Nose/Oral

Cough

Vomit

Stool

Vaginal
(not
menstrual)

BACK

NEXT

LESSONS LEARNED

**RESPECT
CONSTRAINTS**

but don't make excuses

**BE ON THE
GROUND**

face-to-face matters

**HAVE A
CLEAR GOAL**

one at a time

**IF WE CAN
DO IT...**

you can too!

THANK YOU

SOURCES

- <http://www.transparency.org/research/cpi/>
- <http://history.howstuffworks.com/central-american-history/history-of-haiti.htm>
- <http://data.worldbank.org/country/Haiti>
- <http://www.ifitweremyhome.com/compare/AU/HT>
- <http://data.worldbank.org/indicator/SH.XPD.PCAP/countries/HT-AU?display=graph>
- The Military Balance 2015. London: Routledge. ISBN 1857437667.
- <http://ansarafamilyfund.org/archives/2426>