



Optimizing Business Intelligence Applications in Health

9th Annual Caribbean Conference on Health Financing Initiatives

November 4 - 6, 2014



What is BI?



Business intelligence (BI) is a term that refers to ideas, practices and technologies for turning raw data into information that businesses can use to make better organizational decisions

businessintelligence.com

Business intelligence, or BI, is an umbrella term that refers to a variety of software applications used to analyze an organization's raw data...made up of several related activities, including data mining, online analytical processing, querying and reporting

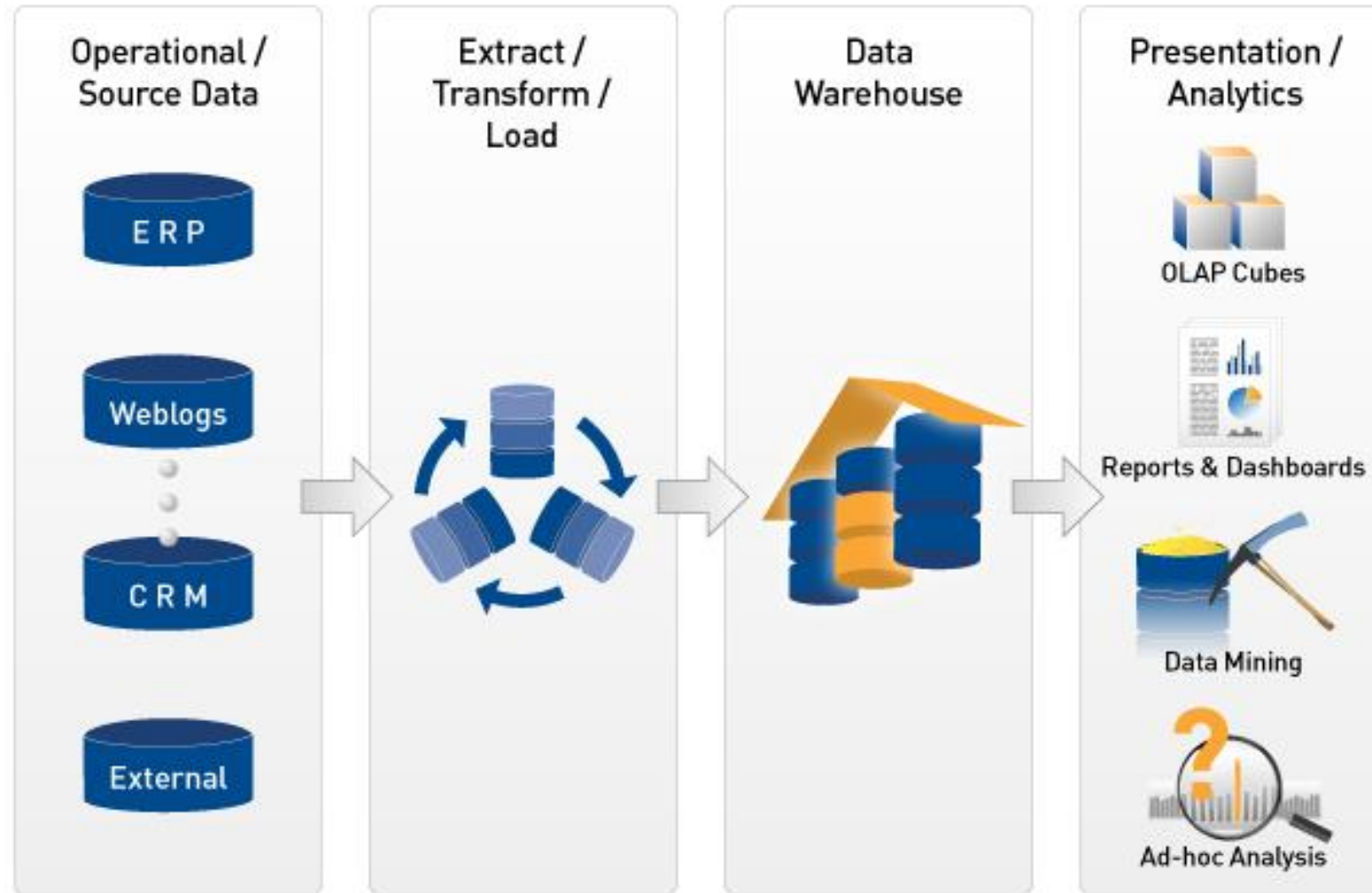
CIO.com



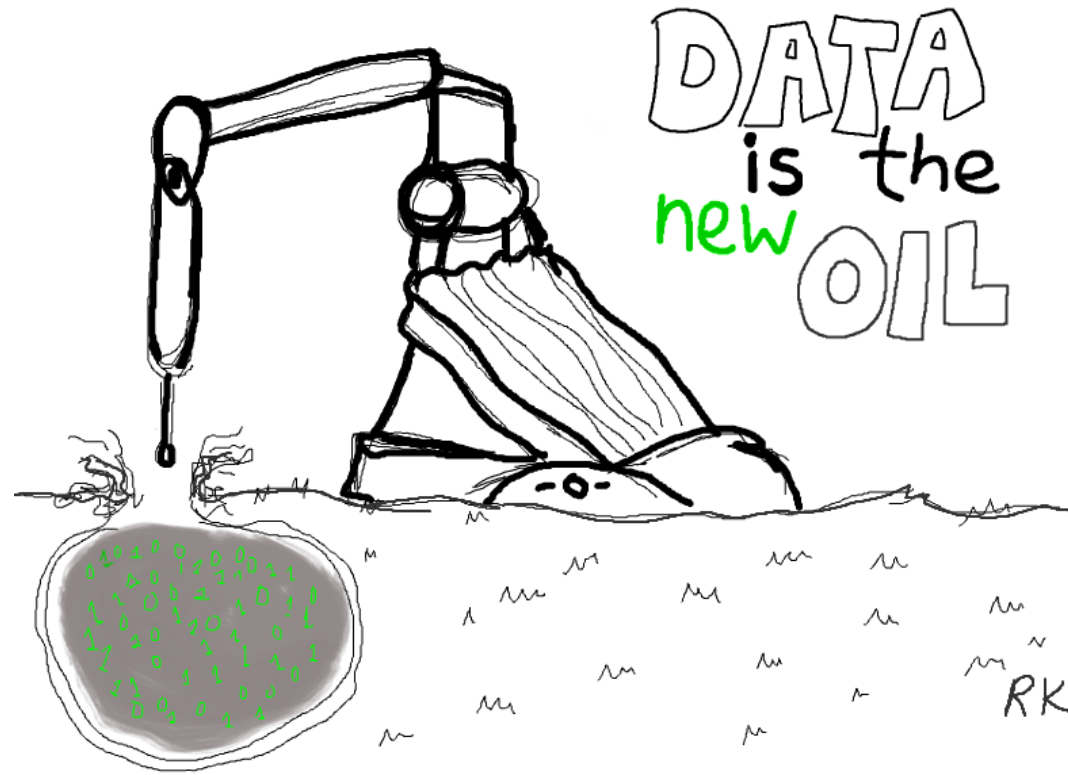
To Make Decisions



BI Outline



Value of Data



Love It or Hate It



I  **Data**



Data Governance

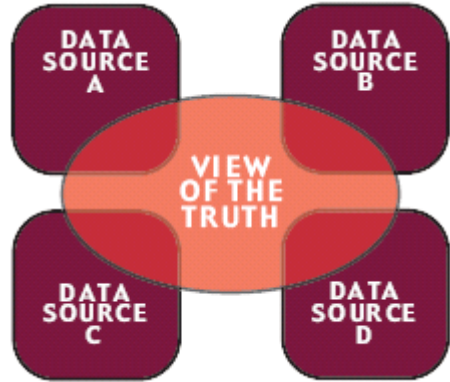


You can't manage what you don't name. And then there's its corollary: You can't manage well what you don't define explicitly.

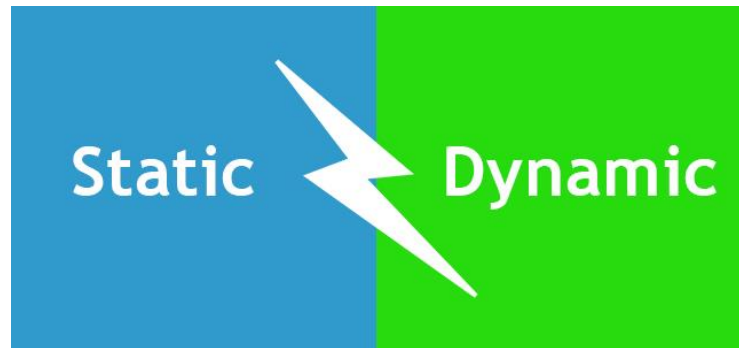
***Data governance (DG)** refers to the overall management of the availability, usability, integrity, and security of the data employed in an enterprise.*



Advantages of BI



MAKING SENSE
- OF THE -
NONSENSE



**AVAILABLE
NOW**

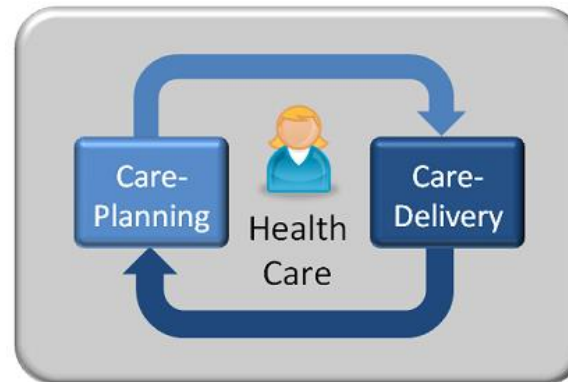


**ad
hoc**

**DATA
QUALITY**



Advantages in Health Care



Advantages in Health Care



"I'm making a decision! Stop confusing me with facts!"



Advantages in Health Care



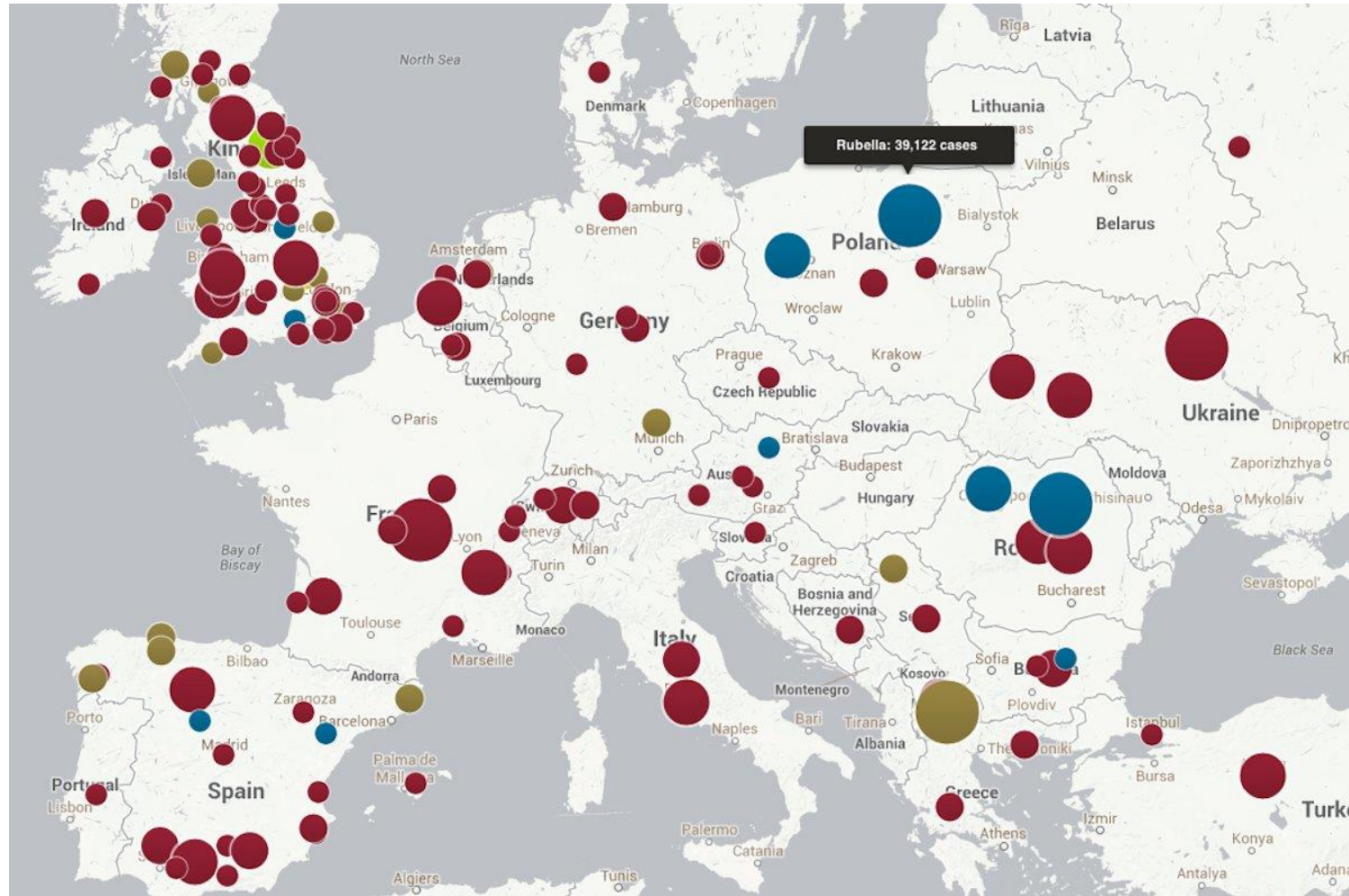
Fish Group A:		Fish Group B:		Fish Group C:		Fish Group D:	
Time:	D.O.:	Time:	D.O.:	Time:	D.O.:	Time:	D.O.:
20	3.1	20	4.2	20	4.7	20	4.4
30	2.7	30	4	30	4.5	30	4.1
40	2.8	40	3.8	40	4.5	40	3.9
50	2.7	50	3.6	50	4.5	50	3.9
60	2.5	60	3.6	60	4.1	60	3.9
70	2.5	70	3.4	70	4.1	70	3.8
80	2.2	80	3.2	80	3.9	80	3.7
90	2.3	90	3.2	90	3.8	90	3.6
100	2.1	100	3	100	3.7	100	3.7
110	2.1	110	3.1	110	3.6	110	3.6
120	2.1	120	3.1	120	3.6	120	3.6
130	2.1	130	3	130	3.5	130	3.5
140	2.1	140	3	140	3.5	140	3.5
150	2.1	150	2.9	150	3.4	150	3.5
160	2.1	160	2.7	160	3.5	160	3.4
170	2.1	170	2.8	170	3.4	170	3.3
180	2	180	2.7	180	3.3	180	3.2



Advantages in Health Care



Advantages in Health Care



Background of the NHF



- Over 240 Team Members
- 4 Core Functions
 - Individual Benefits
 - Institutional Benefits
 - Public Information
 - Procurement, Warehousing, Distribution and Retailing of Pharmaceuticals
- 18 Locations
 - Head Office, Warehouse, 3 Help Desks, 13 Pharmacies
- Annual Budget of Over \$8.3b
 - Over \$3.4b Individual Benefits
 - Over \$3.4b Pharmaceuticals
 - Over \$1.5b on Institutional Benefits



Background of the NHF



- Over 600,00 registered members
- Over 270,000 claims transactions per month
- Over 210,000 prescriptions dispensed per month
- Over \$300m in Pharmaceutical Deliveries
- Community Screening Data
- HR Data
- Financial Data

**Data here. Data there.
Data everywhere.**



BI and the NHF



- Automated Report Delivery – daily, weekly, monthly
- Graphical Presentation
- Reporting
- Business Rules and Exceptions Alerts
- Pharmacy – Sales by category, Drug Classification Sales
- Rx Division – Expiry Management, Top Sales, Top Products

ORACLE[®]

Business Objects[™]
an SAP company

Microsoft[®]

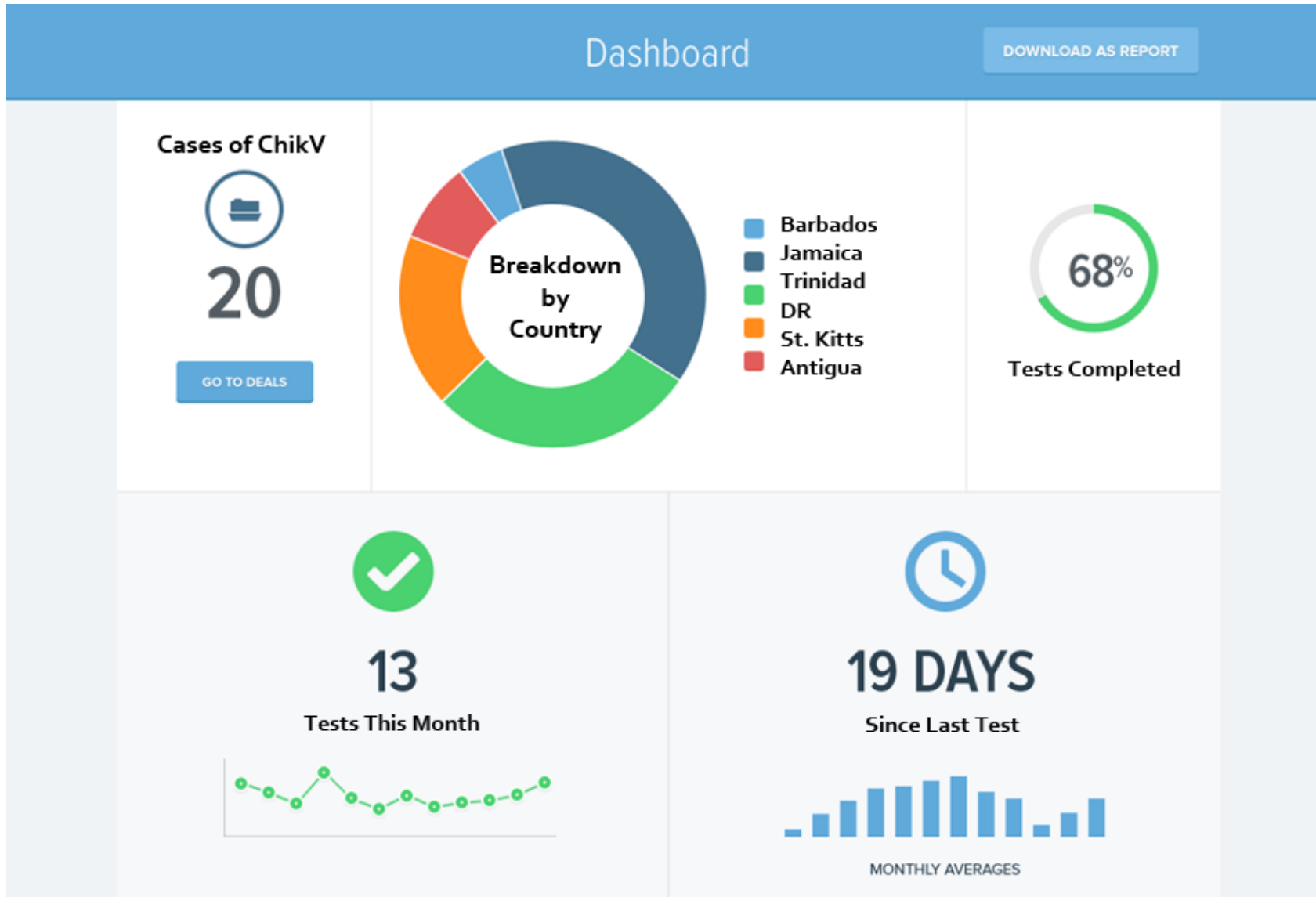




Just a Thought



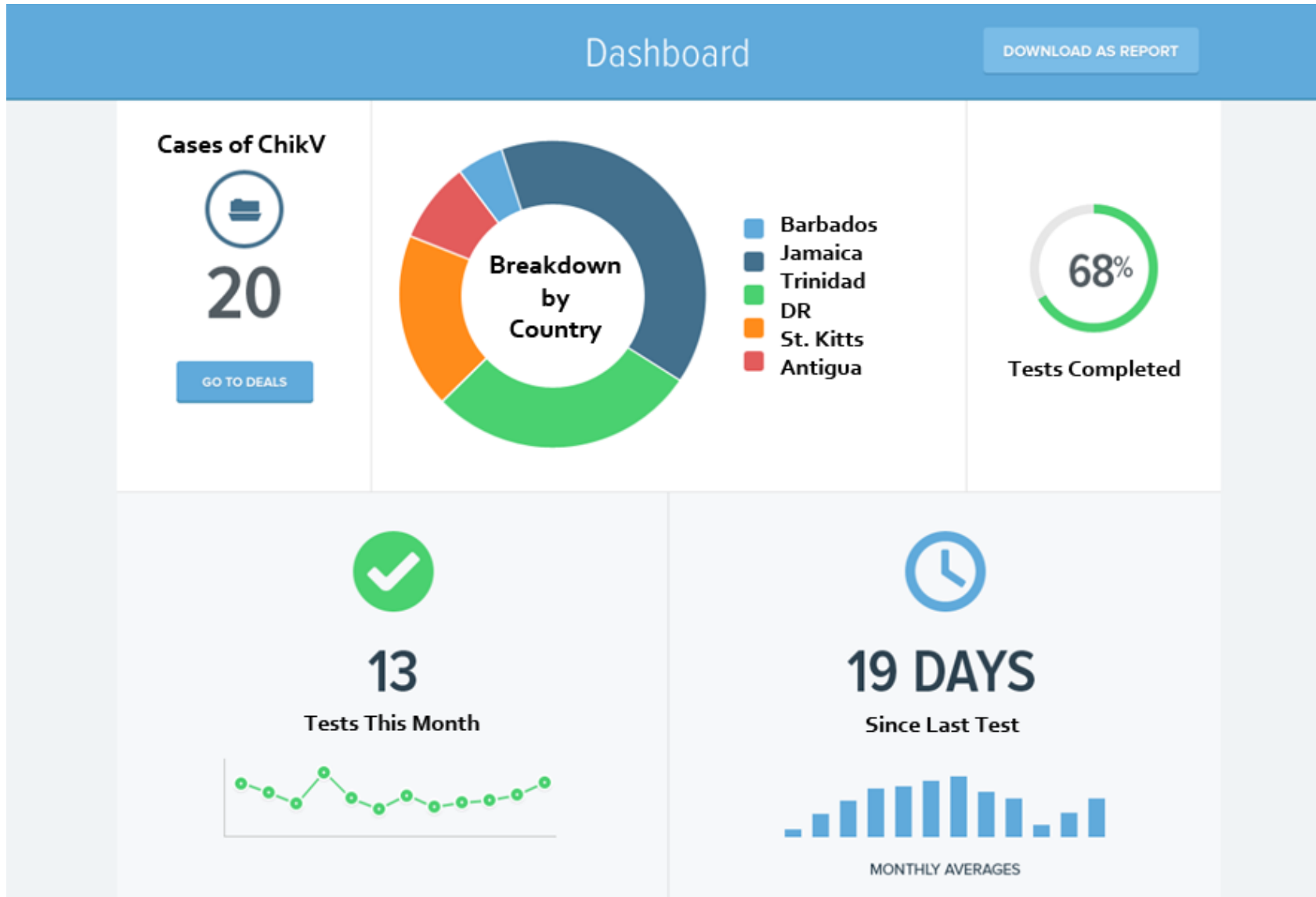
Caribbean Public Health Dashboard



Caribbean Public Health Dashboard



Caribbean Public Health Dashboard





감사합니다 Natick
Grazie Danke Ευχαριστίες Dalu
Thank You Köszönöm
Спасибо Dank Gracias
谢谢 Merci Seé
ありがとう

Obrigado

