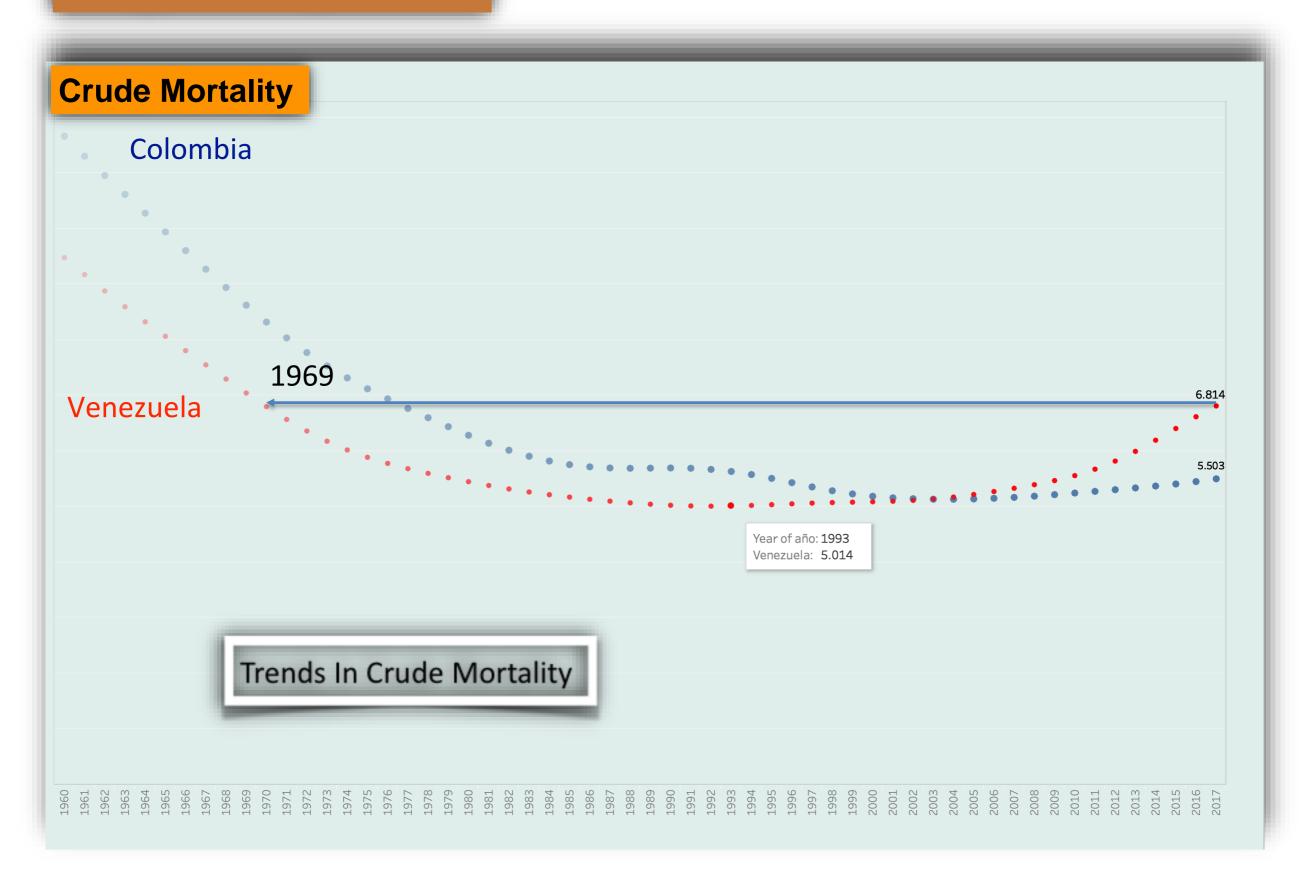
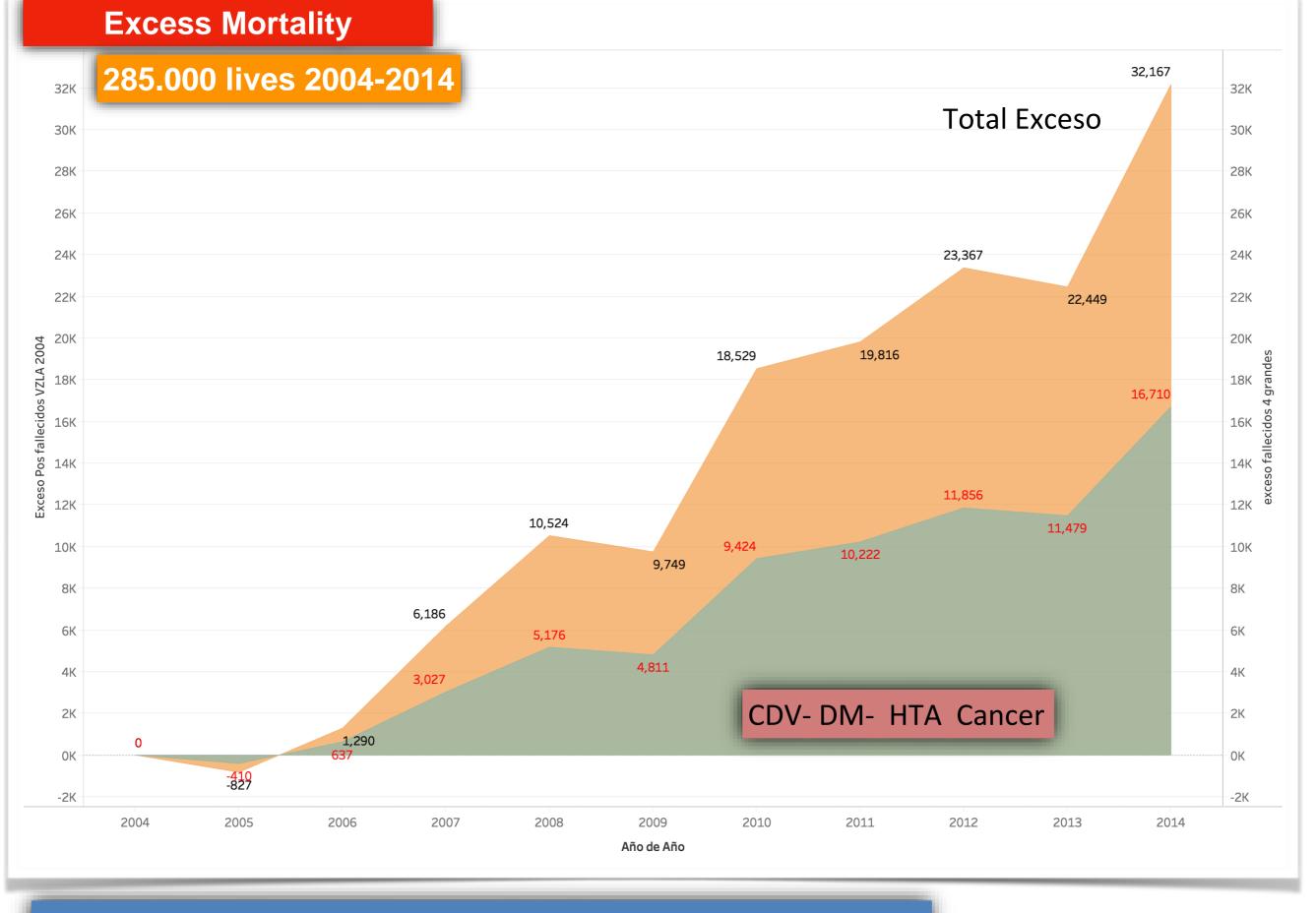


# **Long History Short**

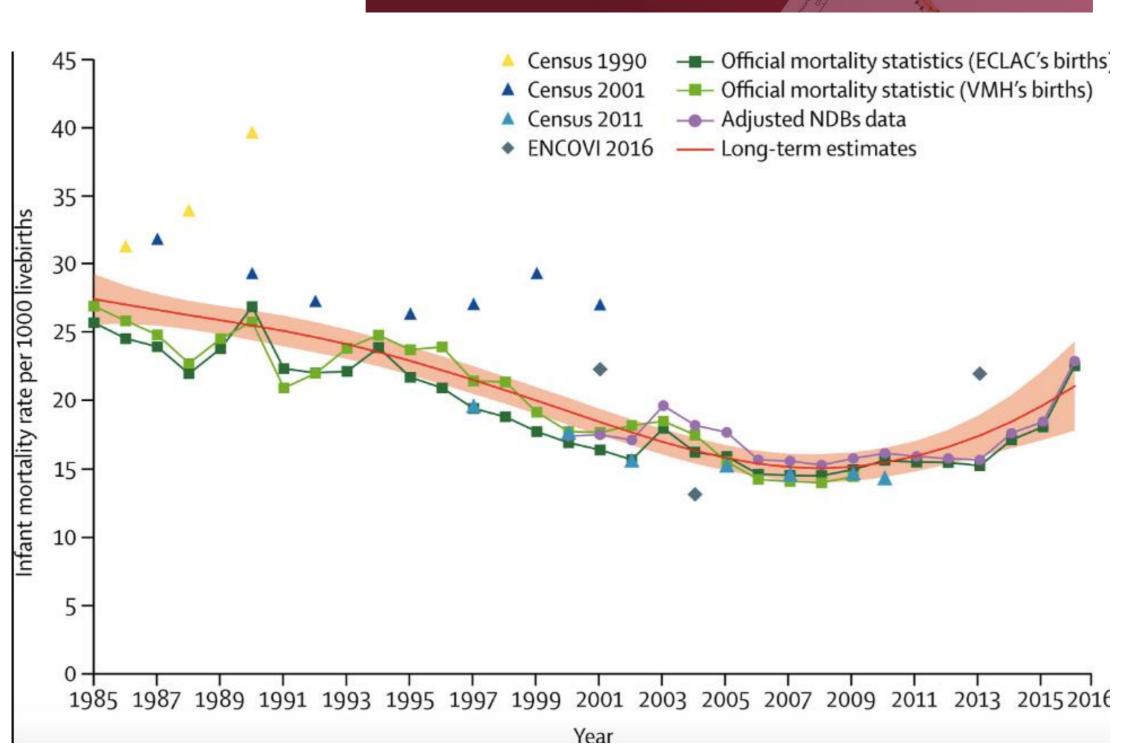




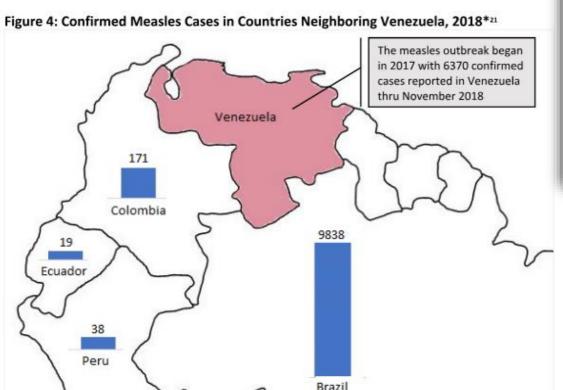
### Rational for Chronic diseases burden

# **Outcomes**





# **Migration Crisis**



#### \*Only one measles case was reported in all of Brazil, Colombia, Peru and Ecuador in 2016 and 2017.

### Journal of Travel Medicine



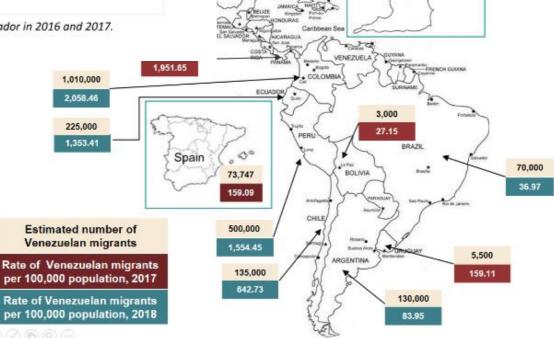
Tobago

40,000

2,921.57

Trinidad

20,000



ED STATES

SEARCH

Q

CDC A-Z INDEX Y

### **EMERGING INFECTIOUS DISEASES®**

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Volume 25, Number 4-April 2019

Perspective

Resurgence of Vaccine-Preventable Diseases in Venezuela as a Regional Public Health Threat in the Americas

Alberto E. Paniz-Mondolfi , Adriana Tami, Maria E. Grillet, Marilianna Márquez, Juan Hernández-Villena, María A. Escalona-Rodríguez, Gabriela M. Blohm, Isis Mejías, Huníades Urbina-Medina, Alejandro Rísquez, Julio Castro, Ana Carvajal, Carlos Walter, María G. López, Philipp Schwabl, Luis Hernández-Castro, Michael A. Miles, Peter J. Hotez, John Lednicky, J. Glenn Morris, James Crainey, Sergio Luz, Juan D. Ramírez, Emilia Sordillo, Martin Llewellvn. Merari Canache. María Araque. and José Oletta

On This Page
Measles

### Figure 2

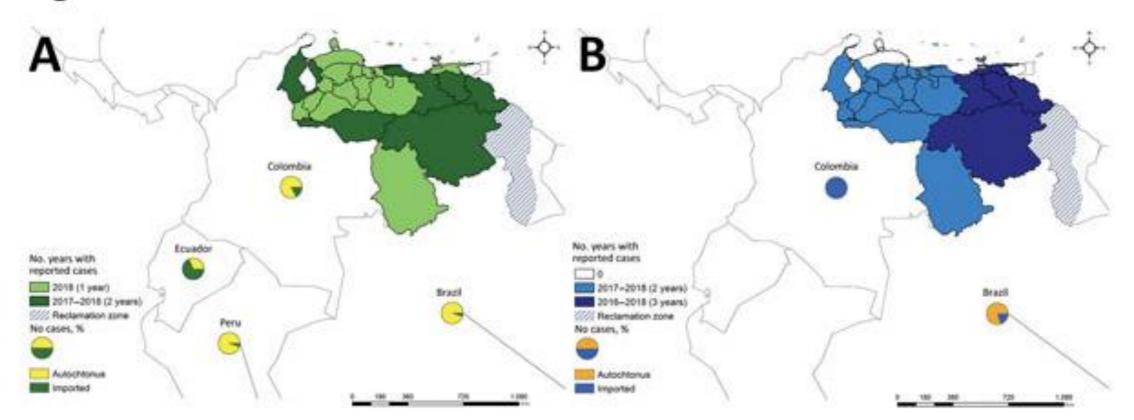


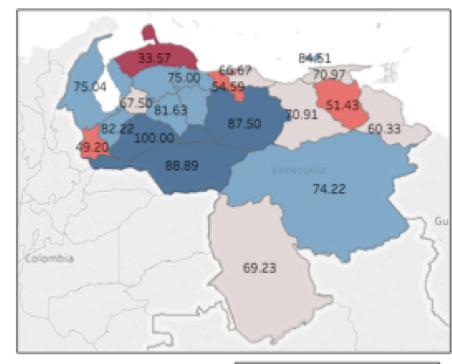
Figure 2. States affected by (A) measles and (B) diphtheria (blue), Venezuela, 2017–2018. Circles indicate neighboring countries reporting



# **INFRASTRUCTURE**

- 18,300 hospital beds available in 40 public hospitals included in the survey,
- Of which 33% are inoperative. This finding is consistent with previous measurements yielded HNE in 2016 and 2017,
- in which the percentage ranged between 34 and 39%.

Inoperability of 33% of the beds currently available in the hospitals surveyed adds which reports a significant shortage of hospital beds in Venezuela. The rate was 30 beds for every 10.000 people and has now gone down to just over 13 in the second decade of this century" 3. If we project the percentege of inoperative hospital beds allocated by ENH to the entire country, we can plausibly assume that, in Venezuela, for every three hospital beds available, one remains idle three more are needed.



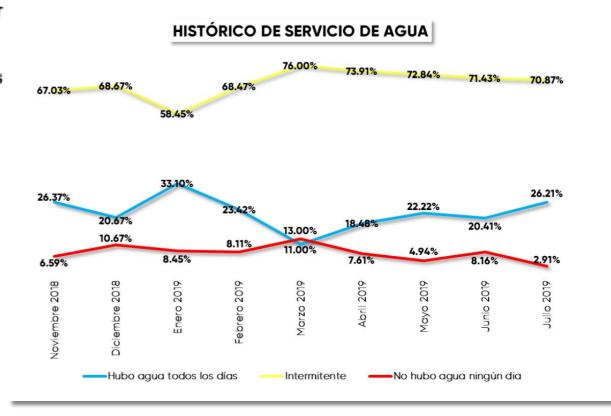


Oletta López, JF (2012) Public hospitals in Venezuela. Technical Note No.47. Network of Scientific Medical Societies of Venezuela, May 5. In: http://www.rscmv.org.ve



# **INFRASTRUCTURE Water supply**

- . In this edition, the ENH did follow the behavior of basic public services for the operation of a hospital: water and electricity. Regarding the first,
  - 70% reported having water supply failures at their centers, Which is
    quite serious. However, the most the most concerning fact that
  - 8% of hospitals reported having no water.
  - This service is essential for a hospital to function. It is needed for cleaning and also, many of the procedures.....

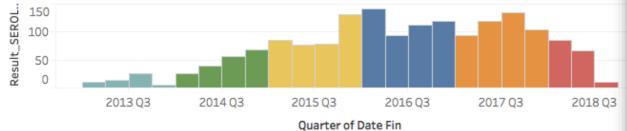




#### **HAV** aguda Contexto Positivos # absolutos Positivos tendencias % Tendencias positivos Perfil edad seropostiv Trends RRSS Google comparación positivos igM con data comparativas histórica Tendencias de IgM Positivas (absolutos) Centro positivos Year 640

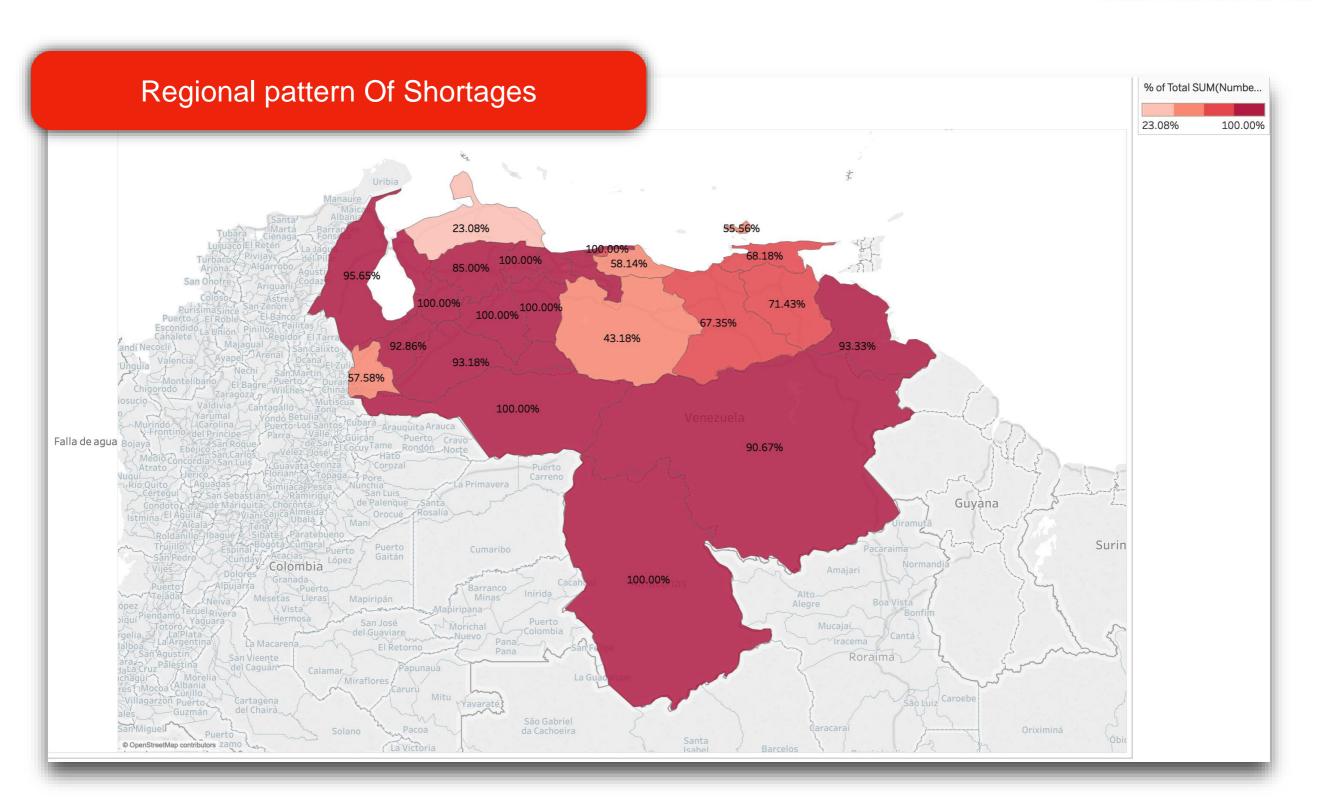


### todos positivos Q









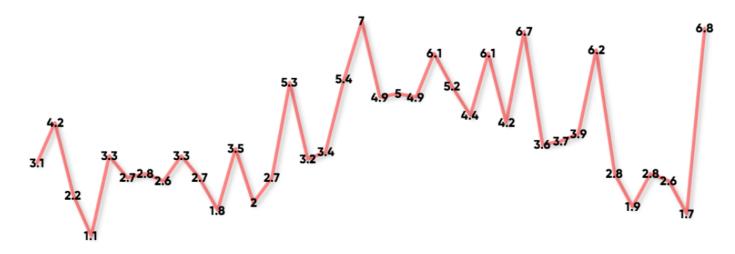
# **INFRASTRUCTURE** Power

. Regarding electricity service, 67% of hospitals reported having suffered of power outages . In addition,

32% of hospitals reported equipment failures after restoring power.

Hospitals reported a total of 105 hours without electricity.

#### PROMEDIO SEMANAL DE HORAS SIN SERVICIO ELÉCTRICO





10/11/2018 17/11/2018 24/11/2018 17/12/2018 15/12/2018 29/12/2018 2/1/2019 2/2/2019 2/2/2019 2/2/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/3/2019 2/04/2019 2/5/2019 1/6/2019 2/5/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019 2/6/2019

AL SURVEY OF HOSPITALS 2018 SECOND REPORT

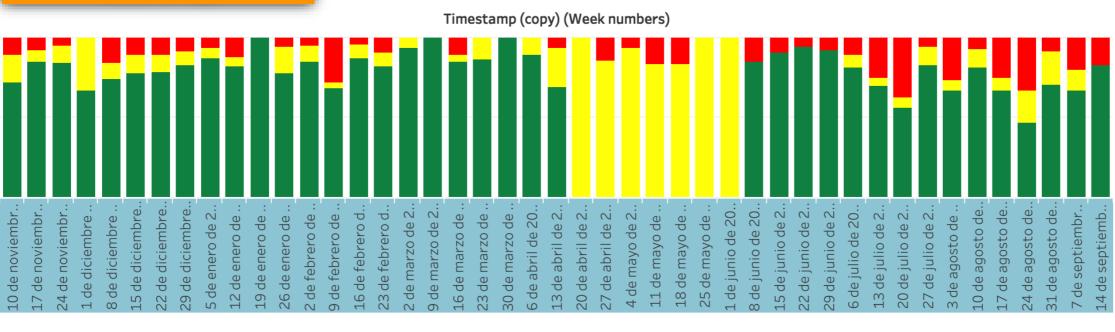


ICU op	
intermit intermit intermit No operativa intermit No operativa No operativa No operativa No operativa	intermit intermit intermit  No operativa  No operativa  No operativa  No operativa  No operativa  No operativa  Intermit intermit intermit intermit intermit
operativa	operativa
ICU ® op	

ICU 

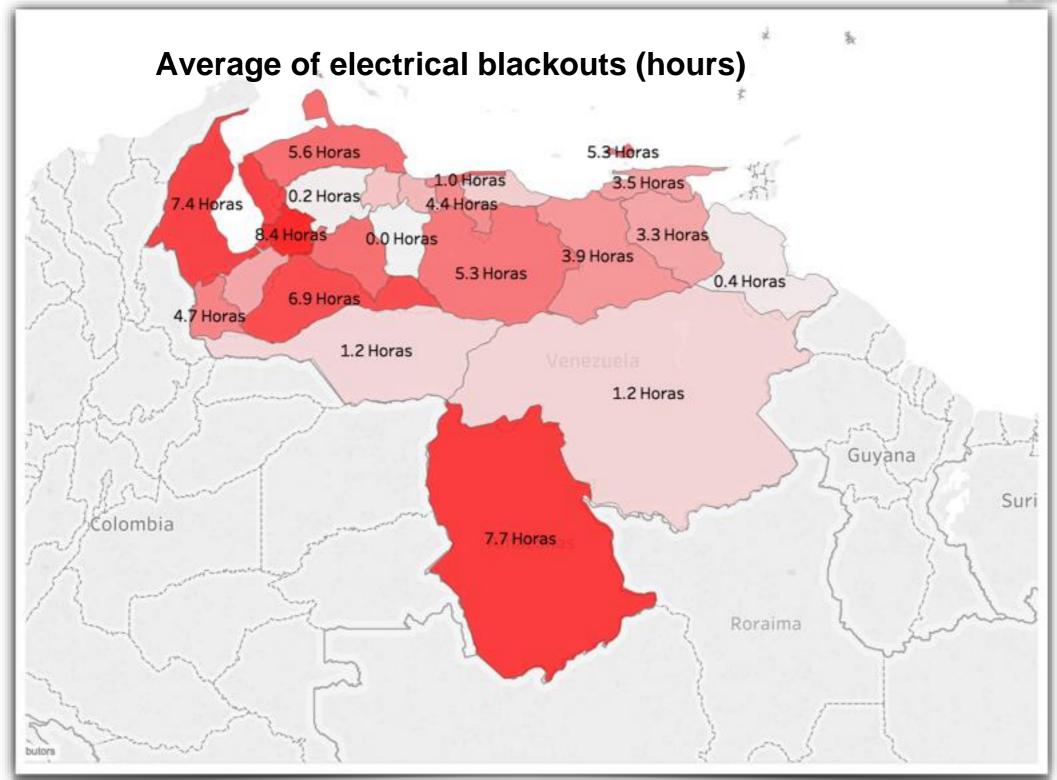
o

p

















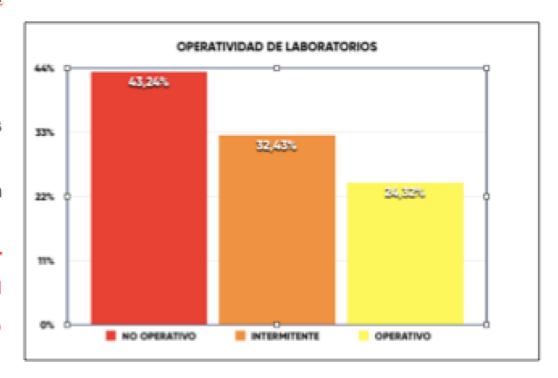




# **DIAGNOCTIC TOOLS (Labs)**

- . When we talk about medical technology, we are referring to all services that will serve as support for patient diagnosis.

  in this survey laboratory services, X-ray CT MRI and Echo were assessed Regarding hospital laboratories, monitoring indication that
  - 43% of these services nationwide are not operating, 43% of hospitals are unable to perform basic testing
  - For clinical laboratory it is of particular concern given its importance in decision making regarding to patiene Diagnosis and treatment.
  - It is estimated that an average inpatient generates demand for laboratory services in the order of 20 analytes during their hospital stay, distributed in hematology and coagulation, blood chemistry, and urinalysis copro, bacteriology and special tests

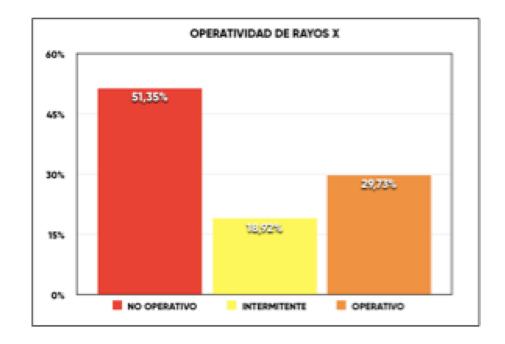




# **DIAGNOSIS TOOLS X Rays**

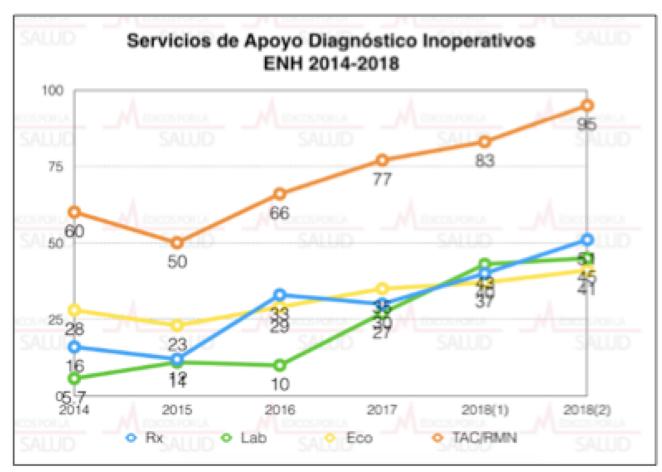
As for the services of X-rays services,

- 51% of the country's hospitals reported that they are completely closed, ie more than half of the country's health centers have no ability to even make a chest X-rax te. Of the remaining hospitals, 19% reported that their x-ray services operate intermittently, ie,
- when a patients arrives, x-ray services may or may not be operating, it is completely random.





## **DIAGNOSTICS Tools**

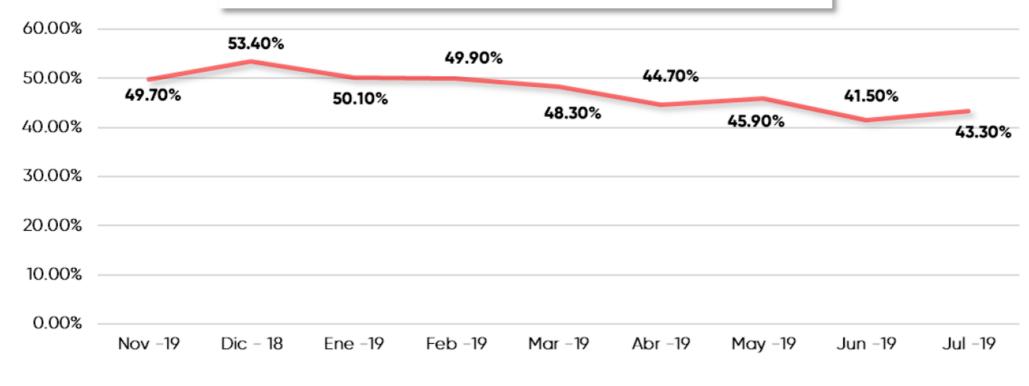


This table shows the historical information that ENH registered since its first issue regarding Diagnostic Support services. In it, can be seen the sustained worsening of each of the services, and more seriously, the curve relating to the TACs and magnetic resonators.



# **EMERGENCY**

### ÍNDICE DE DESABASTECIMIENTO EN EMERGENCIA

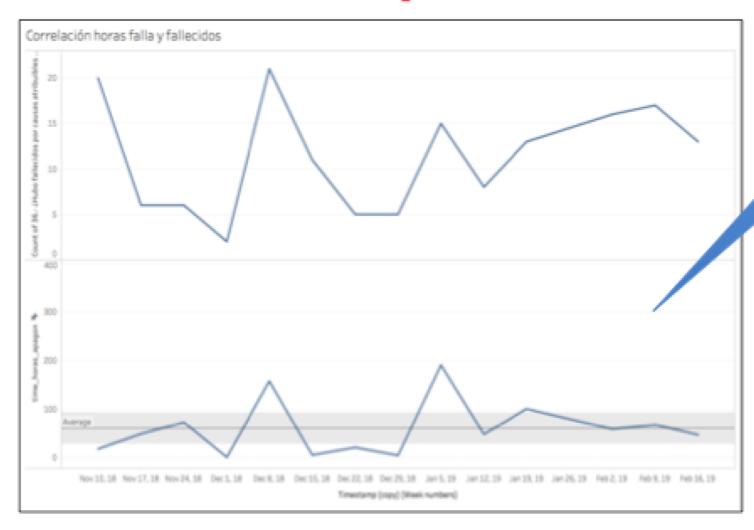


According the existence registered hospitals, national average emergency shortage of 51% the shortage 57.5% in phamd related to Hypertension.





# Deaths due to power failure



Deaths associated to power failure:95

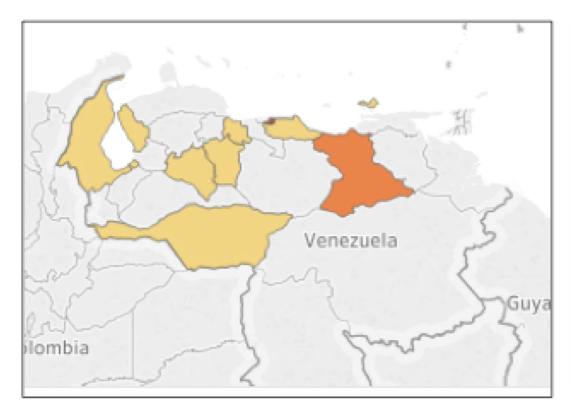
- Repetitive
- Clustered
- Persistence

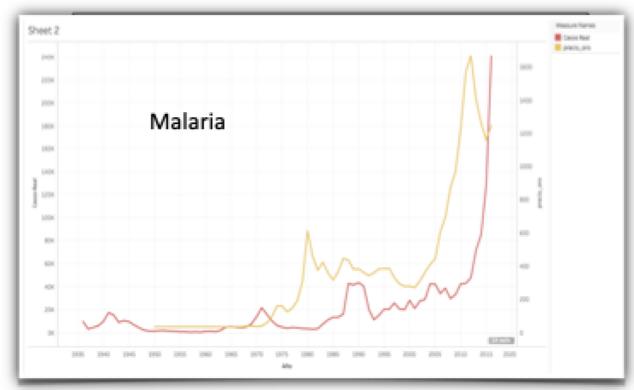
Correlation power failures and deaths, per week.





# Disease surveillance



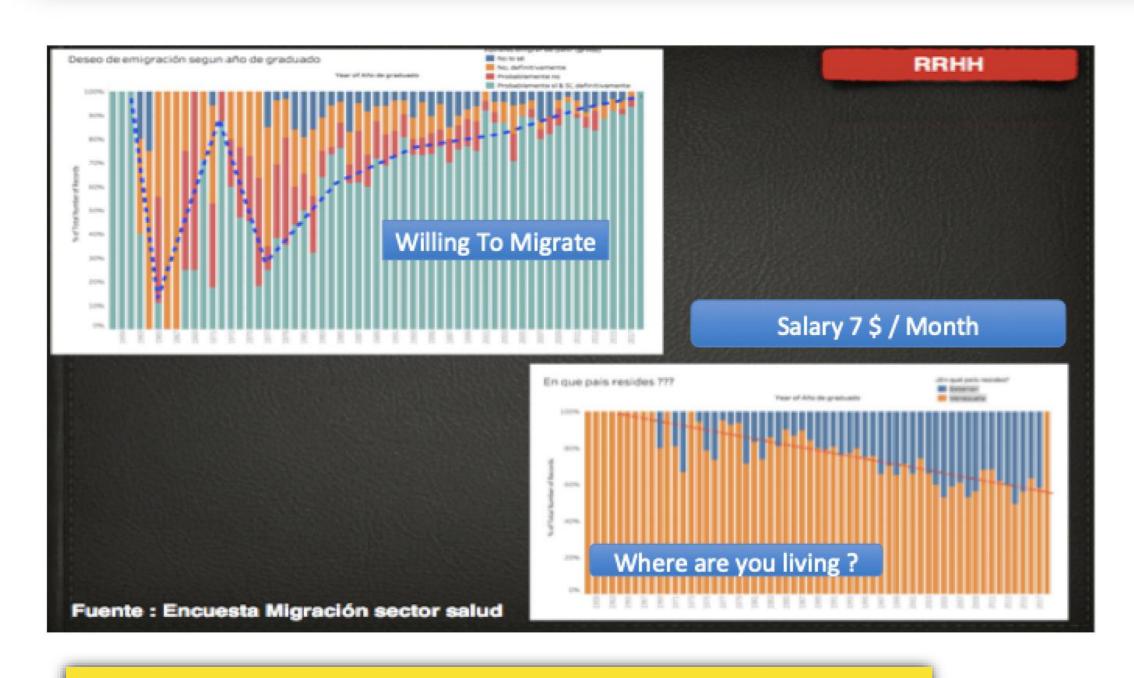




DIPHTHERIA MEASLES

NATIONAL SURVEY OF HOSPITALS 2018 SECOND REPORT

# Human Resource (Physicians)

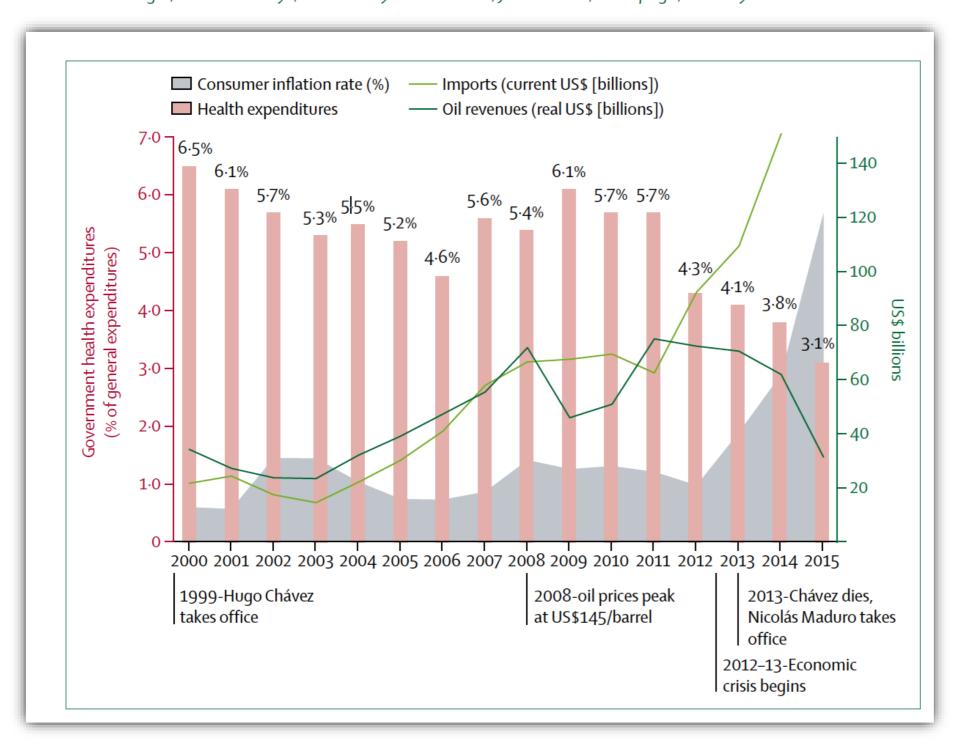


- 23% of the physicians are outside Venezuela
- almost 65% of young doctors are outside Venezuela

### Venezuela's public health crisis: a regional emergency



Kathleen R Page\*, Shannon Doocy\*, Feliciano Reyna Ganteaume, Julio S Castro, Paul Spiegel, Chris Beyrer



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(S Doocy PhD, P Spiegel MD,
Prof C Beyrer MD); Acción
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and School of Medicine,
Caracas, Universidad Central de
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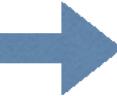
In Venezuela we have a complex and deep institutional problem that includes the health sector, the current crisis is not a temporary situation, it is a systematic problem caused by a way of governing

# An comprensive plan

Economic policy



**Employment opportunities** 



Fiscal policy

- Monetary politics
- Exchange Rate policy
- Commercial policy



a Venezuelan citizen earning enough to live

Social policy



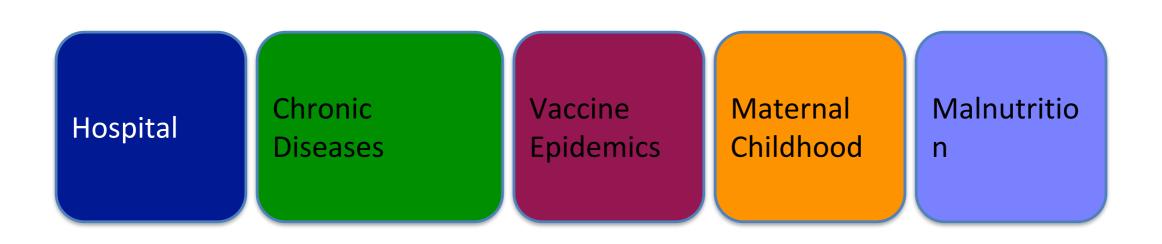
Skills for employment



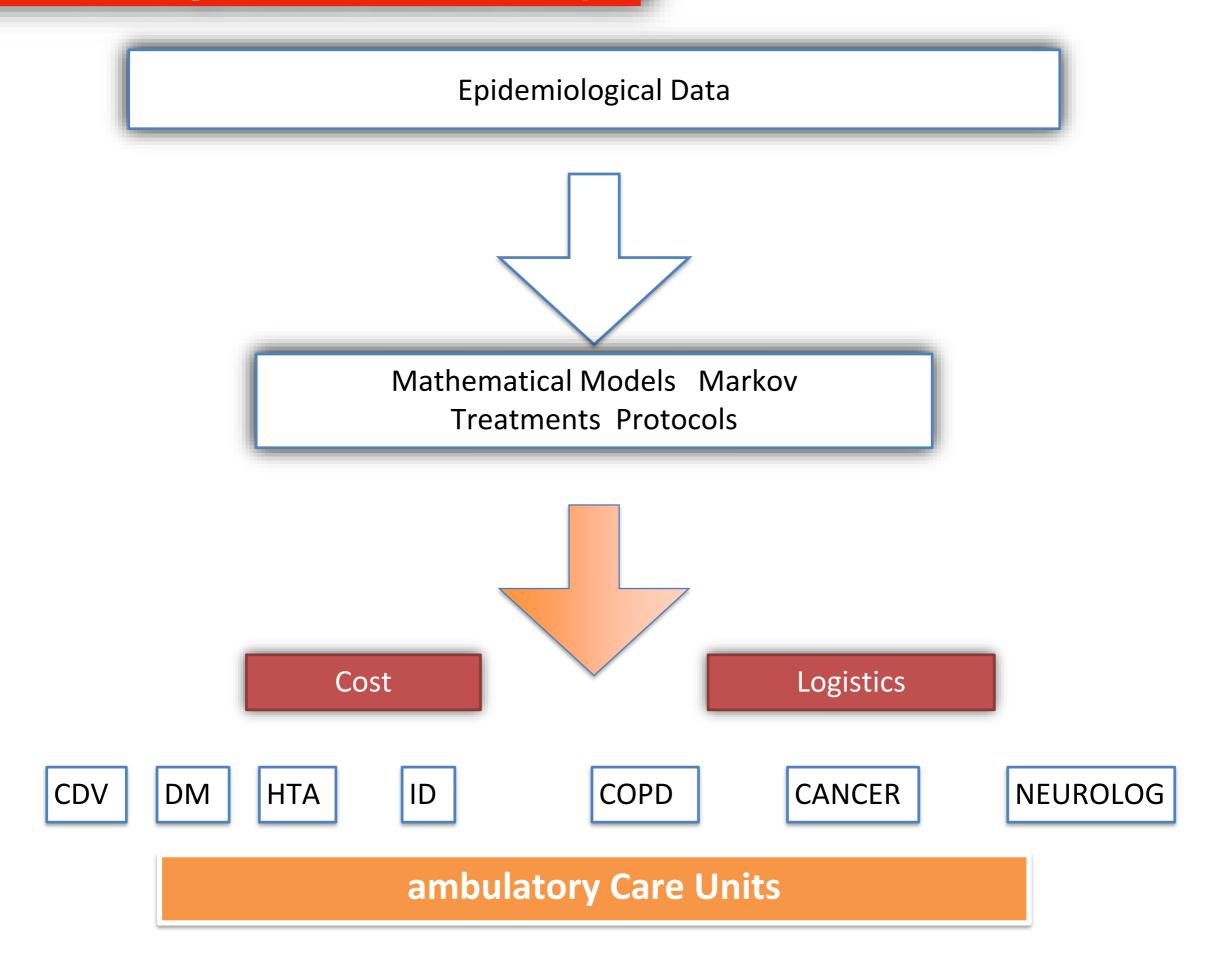
- Education policy
- Health policy
- Social Security Policy
- Housing, infrastructure and services

### **Priority / Rationale**

- Preventable Death
- Long term Impact (epigenetic burden)
- Quick Wins
- Trust and Governance
- New system Baseline



### Chronic and High Burden diseases example



# Program Cost Emergency 1st Year

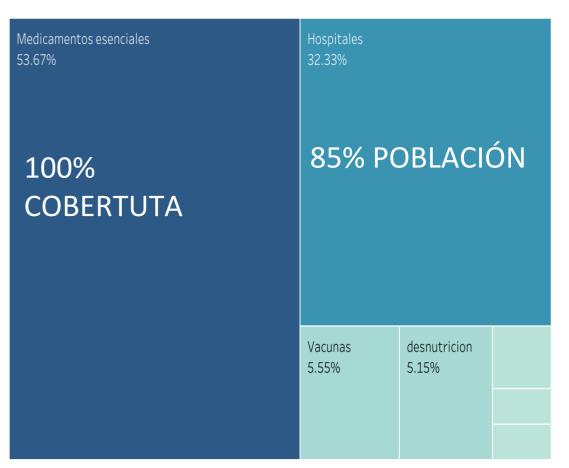
### tabla montos por programa

Programa	% de total Monto junto co	Monto		
desnutricion	5.15%	149,232,000		
Epidemias	1.53%	44,500,000		
Hospitales	32.33%	937,262,848		
Medicamentos esenciales	53.67%	1,555,797,953		
RED PRIMARIA	0.90%	26,159,000		
Salud materna	0.87%	25,110,448		
Vacunas	5.55%	161,000,000		

### Monto Global

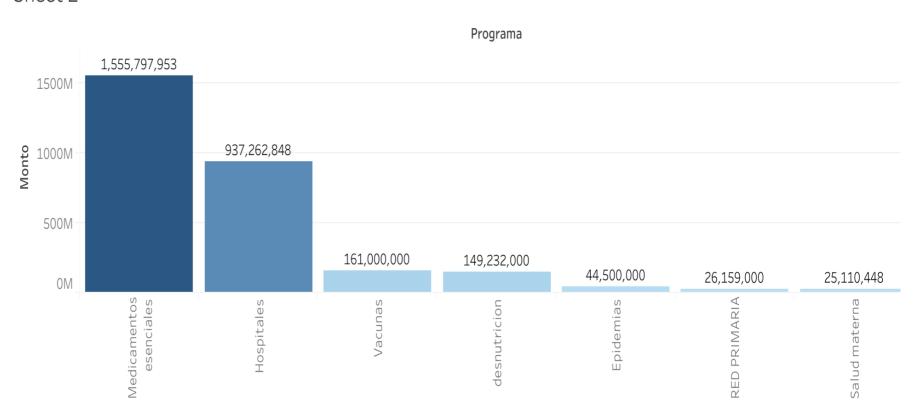
2,899,062,249

### presupuesto global



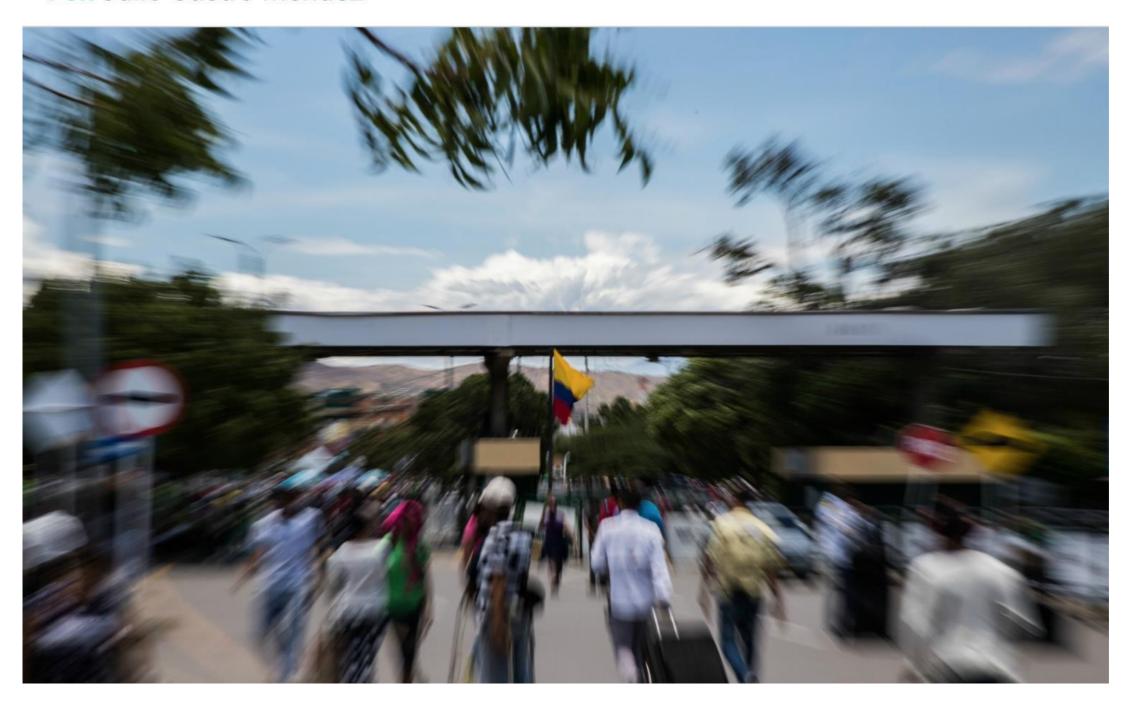
### 2.800 million \$

### Sheet 2



# ¿Qué ha pasado con la ayuda humanitaria?

**POR** Julio Castro Méndez



VENEZUELA HUMANITARIAN RESPONSE PLAN 2019

### Humanitarian Response Plan at a Glance

JULY - DECEMBER **2019** 

#### Summary

POPULATION IN NEED POPULATION TARGETED REQUIREMENTS (US\$) PARTNERS PROJECTS

7M 2.6M \$223M 61 98

#### STRATEGIC OBJECTIVES



SO 1

Ensure the survival and well-being of the most vulnerable people by age, gender and diversity, improving their access to goods and essential services in quantity, quality, continuity and territorial coverage under a rights-based approach.



SO 2

Promote and reinforce the protection and dignity of the most vulnerable groups through a humanitarian response that strengthens institutional and community mechanisms, according to humanitarian principles and respect for human rights.

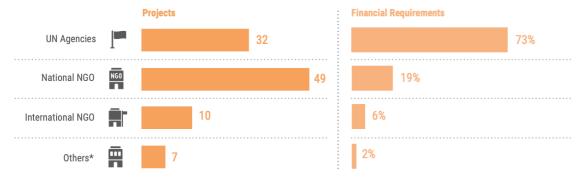


SO 3

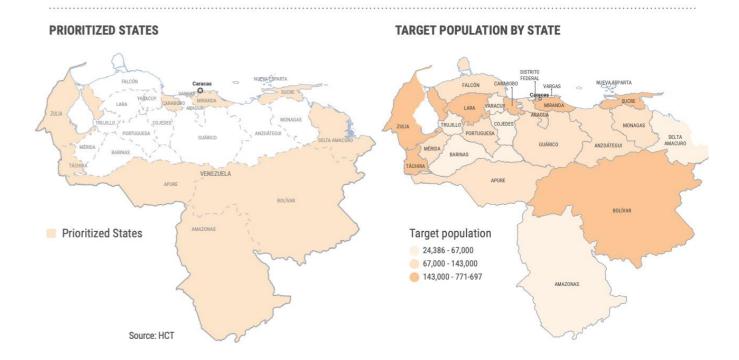
Strengthen the resilience and livelihoods of the most vulnerable people by age, gender and diversity and contribute to the sustainability of essential services.



#### NUMBER OF PROJECTS AND FINANCIAL REQUIREMENTS BY TYPE OF ORGANIZATION



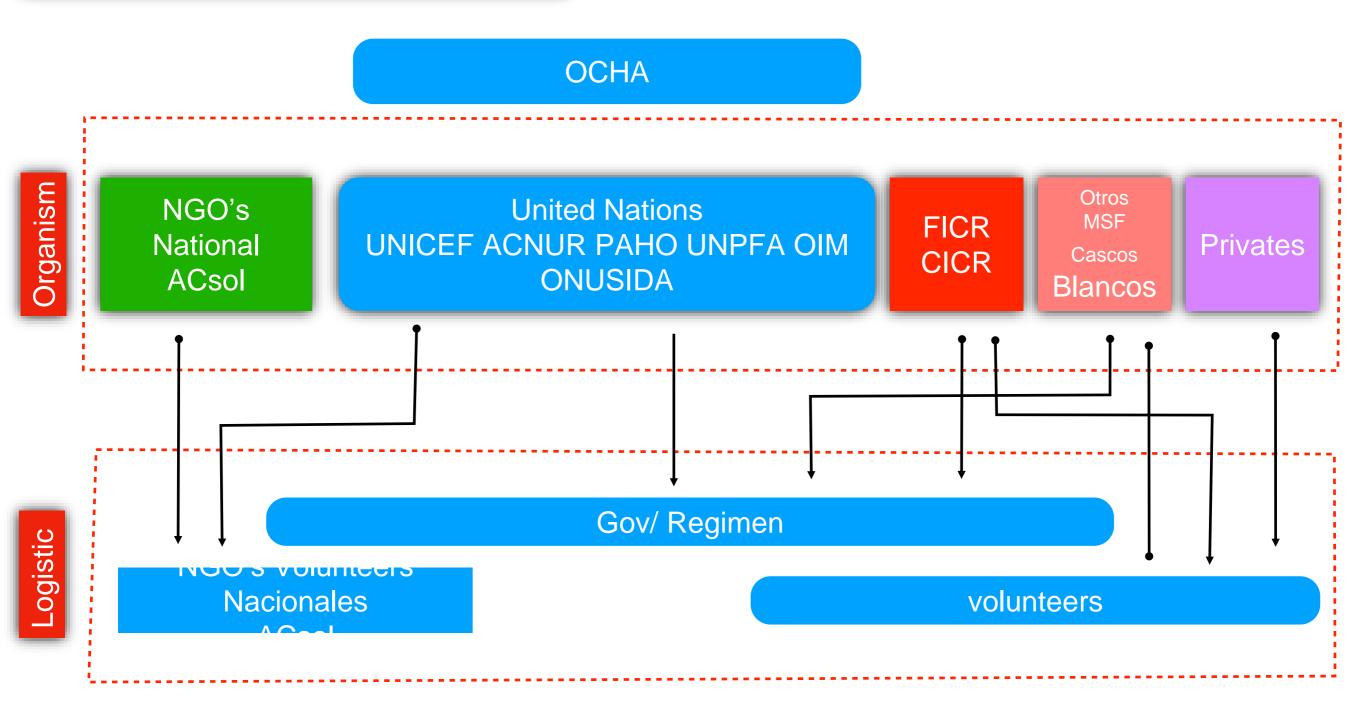
Others\*: academic and church



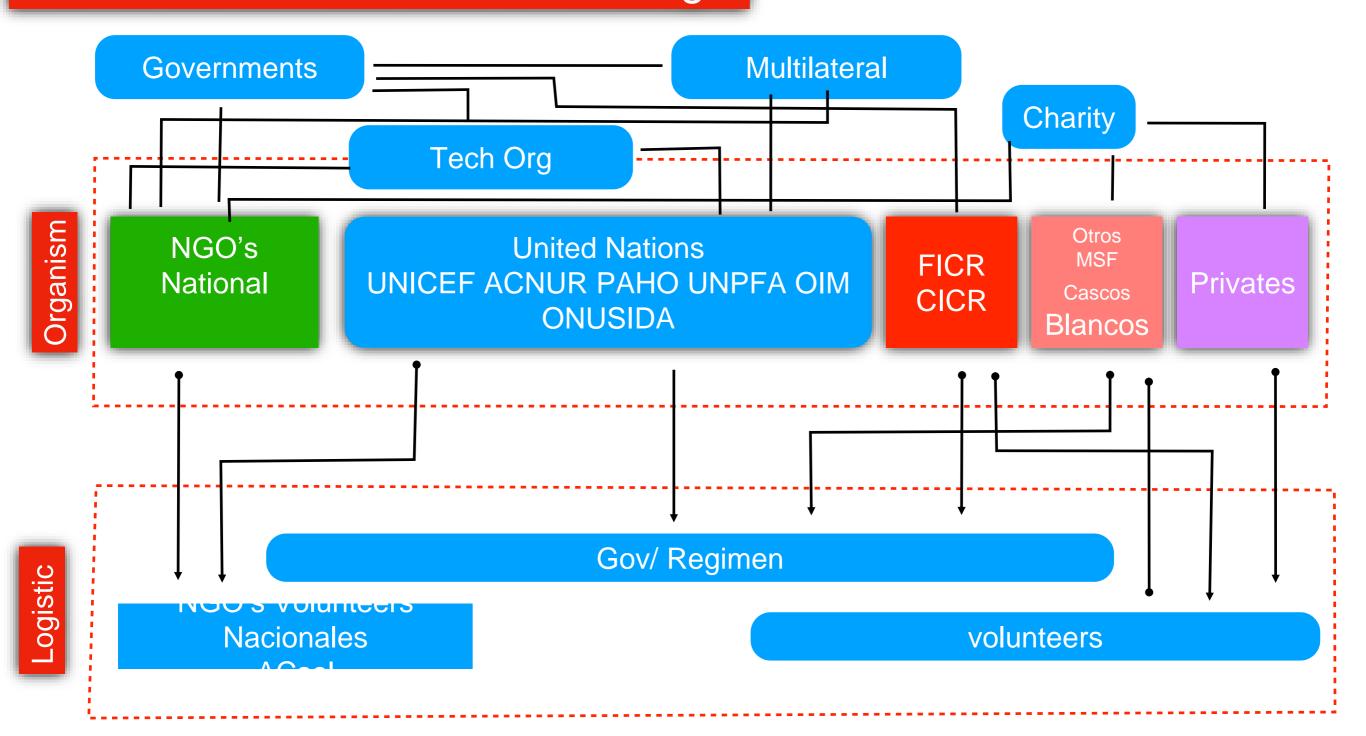
# G. Summary of needs, target population and requirements

	TOTAL <sup>1</sup>		SEX AND AGE		TARGET POP. DISAGGREGATION			REQUIREMENTS
	People in Need	Target Population	0 - 4 years old	5 - 19 years old	20 - 60 years old	Over 60 years old	% Target population / Needs	Total
WASH <sup>2</sup>	4.3M	1.4M	118K	374K	749K	19K	33%	30.5M
Education	2.2M	1.0M	396K	657K			45%	42.8M
Nutrition	1.9M	0.5M	425K	27K	83K		26%	10.4M
Protection	2.7M	0.7M	48K	281K	233K	165K	26%	41.2M
<b>3</b> Health	2.8M	1.2M	465K	60K	90K	633K	43%	61.6M
Food Security	3.7M	0.3M	28K	67K	177K	19K	8%	34.7M
TOTAL	7.0M	2.6M	560K	706K	756K	639K	38%	\$223M³

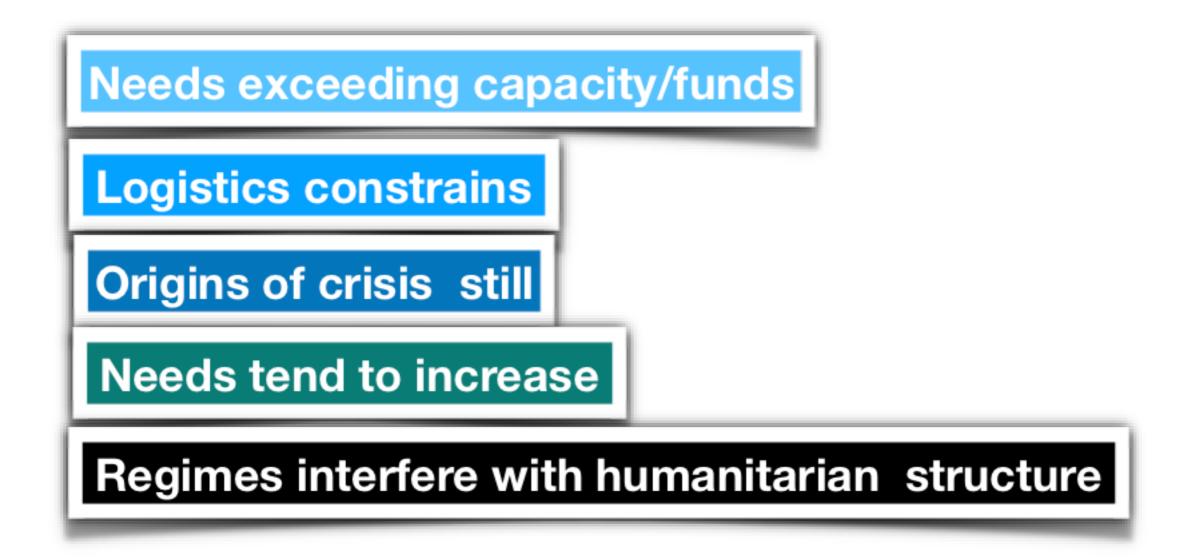
# Humanitarian Estructure



# Humanitarian Estructure Funding



### **Bottom line of Humanitarian situation**



There is no better approach that turn the origin or cause of the man made crisis

in the meanwhile our ethical mandate is to help people, prevent death or suffering



# Rebuilding Strategies

**Funds** 

Multilateral, Bilateral, international, Investment.

**Human Resources** 

Plan for repatriate, Training, Scholars

Solidarity

Faith, Church, religions, goodwill, Diaspora

**Knowledge** Experience, skills, Mindsets, Institutions



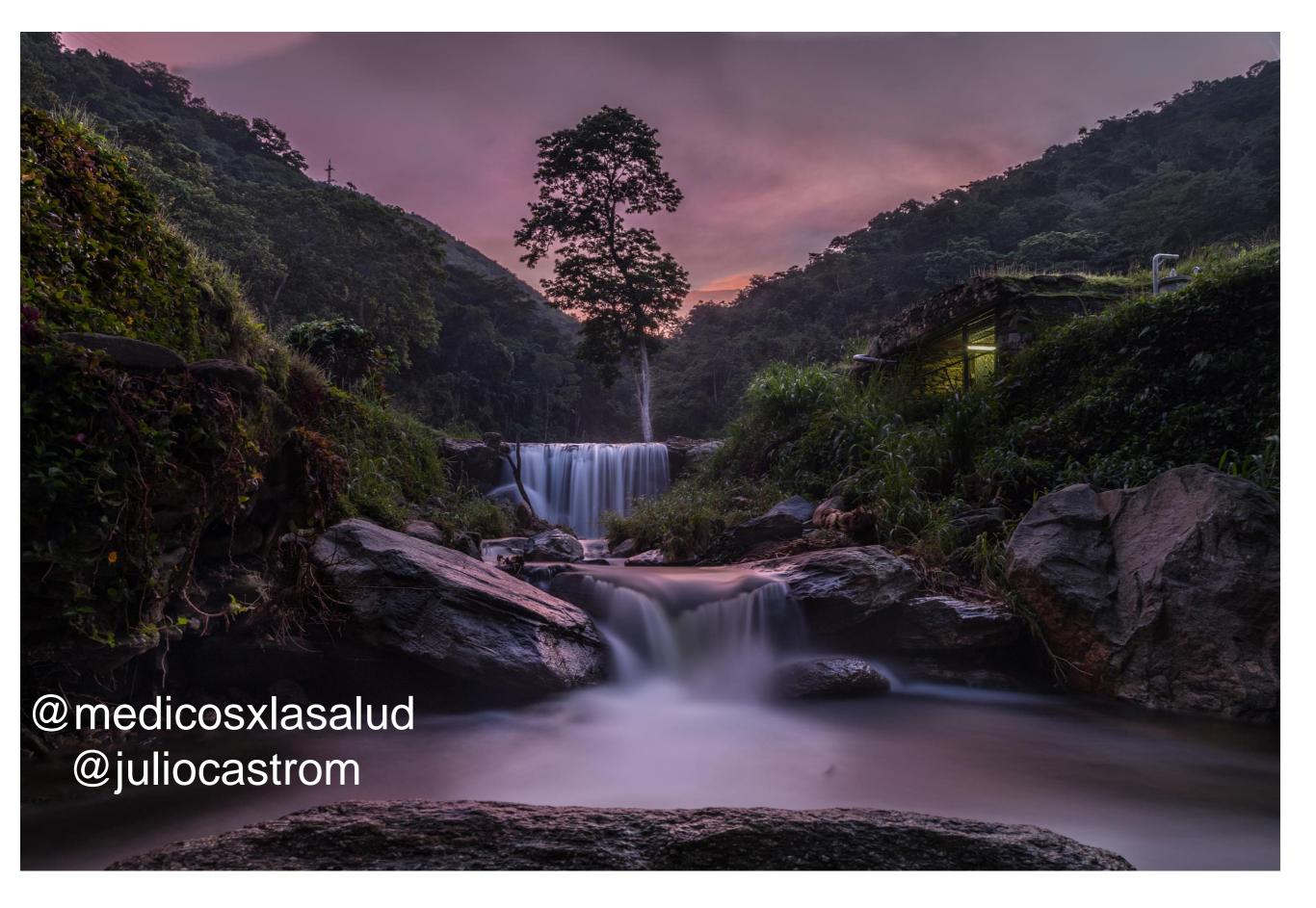












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