

Conversations that transform lives How to address Venezuela's Health Crisis

Overcoming the "Knowledge-Blackout" in Venezuela: The Role of the Health System

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Common ground

- Venezuela in our mind
 - Family
 - Friends
 - History
 - Future

Our "know how"



Transform

Objectives

Elements to cooperate

- What are the changes?
 - Personal level
 - Societal level

Focus on solutions



Health Systems

- Intensive in knowledge
 - Major area of services
 - Major area of research
 - Source of innovations
- Reductions in knowledge
 - Losses in human resources
 - Low performance of services



Political and economic contexts

Contents

 Determinants of health system performance

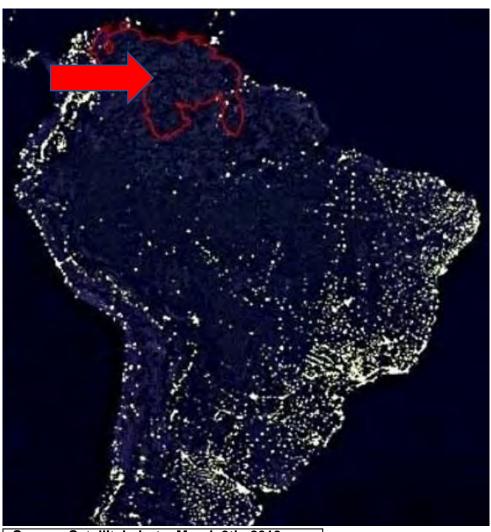
Health conditions of Venezuelans

Guidelines for transformation

- Actions
 - Now
 - Preparation for medium term



Blackout



Lack of electricity

Evident



Source: Satellital photo, March 9th. 2019

Other blackouts



- Progressive
- Long periods



Complex emergency

- One of the major collapses
- Humanitarian effects

- Systematic
- Systemic



Context

- Lack of electricity
 - Short-term impact
- Knowledge-blackout
 - Evolution
 - Long-term impact



Simón Bolívar

- Lights: Enlightenment (Ilustración)
- (Moral y luces son los polos de una República, moral y luces son nuestras primeras necesidades).
- Moral and <u>knowledge</u> are the poles of a Republic, moral and <u>knowledge</u> are our first needs.



Angostura, February 15th 1819

Simón Bolívar

 It is the progress of <u>knowledge</u> that widens the progress of <u>practice</u>, and the uprightness of the <u>spirit</u> that widens the progress of <u>knowledge</u>.

Angostura, February 15th 1819



- Venezuela
 - The country in the Americas with the highest number of malaria cases until 1936.
 - One in three deaths was due to malaria



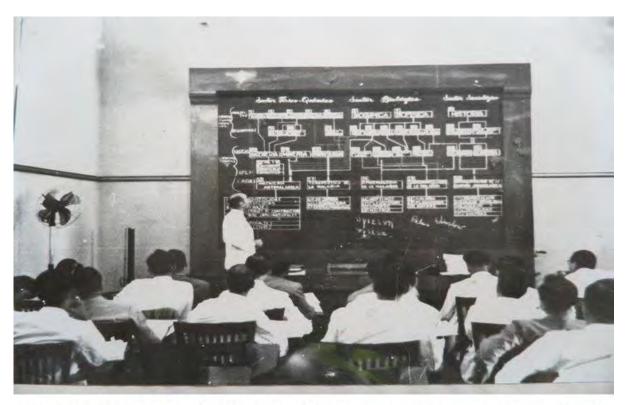
Venezuela

 The first country certified by the World Health Organization (WHO) for having eradicated malaria from most of its territory.



- Why?
 - Luck?
 - Oil?
 - DDT?

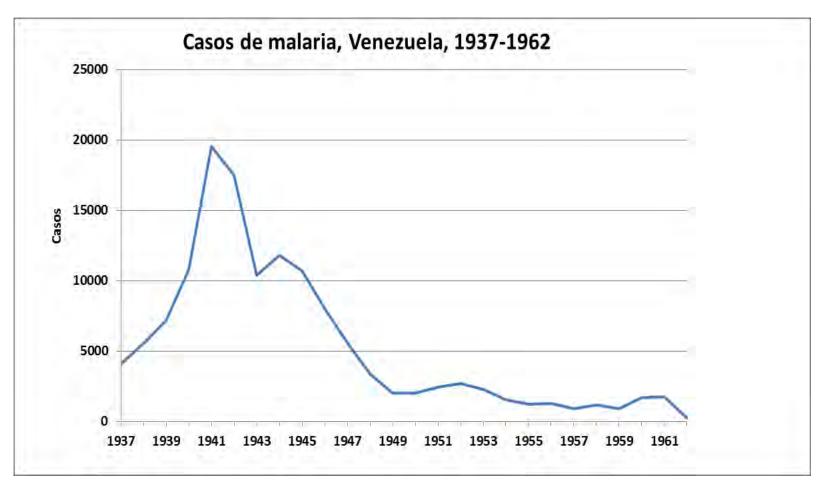




LECCION INAUGURAL DEL I CURSO INTERNACIONAL DE MALARIA, POR EL DR. ARNOLDO GABALDON HORA: 8 a.m. FECHA: 2 DE OCTUBRE DE 1944

- Strategy
- Action
- Research
- Creation and use of knowledge









Knowledge and health Back in time



Back in time (1960)

	Α	В	2016
GDP per capita (\$)	1072	158	27.538
Life expectancy (male, years)	58	51	78
Life expectancy (female, years)	61	56	85
Per capita exports (dollars, 1962)	340	2	11.291

Sources: WB, Observatory of Economic Complexity, MIT, Own calculations

- Which country will reach the target values for 2016?
- A?
 - Better conditions
- B?



Take off

	Venezuela	South Korea	2016
GDP per capita (\$)	1072	158	27.538
Life expectancy (male, years)	58	51	78
Life expectancy (female, years)	61	56	85
Per capita exports (dollars, 1962)	340	2	11.291

Sources: WB, Observatory of Economic Complexity, MIT, Own calculations

- Which country will reach the target values for 2016?
- Venezuela
 - Better conditions
- South Korea



What would Adam Smith have asked?

What do these countries produce?

How diverse is what these countries produce?

What is the "quantity of science" these countries have?



What would Adam Smith have asked?

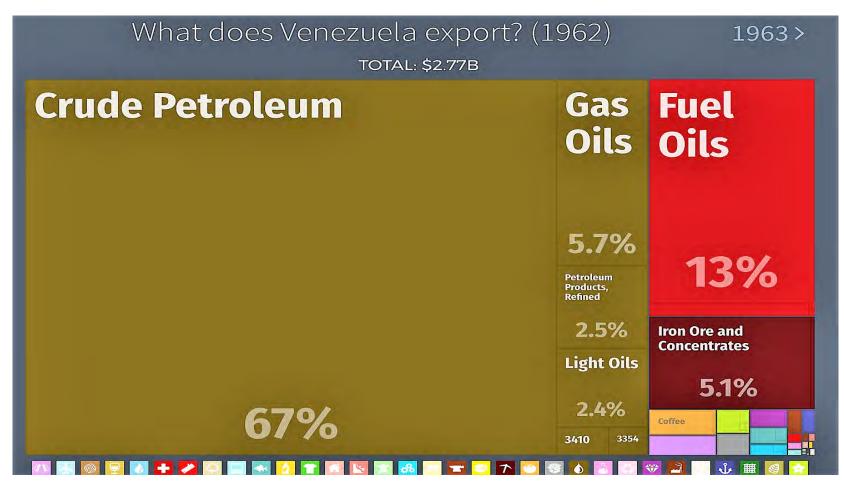
 What is the level of economic complexity of these countries?

- Observatory of Economic Complexity (MIT)
- Atlas of Economic Complexity (Harvard University)



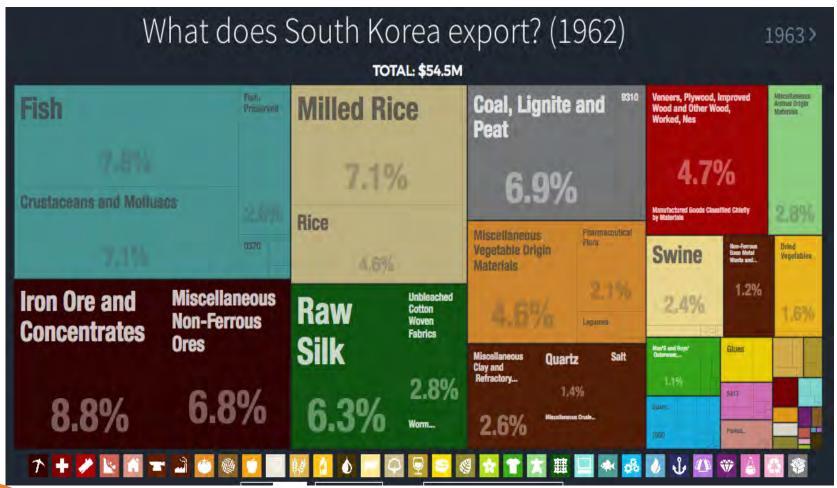
More colors, more "quantity of science"





Source: Observatory of Economic Complexity, MIT





Source: Observatory of Economic Complexity, MIT

CITGO

Economic complexity

	Venezuela	South Korea	2016
GDP per capita (\$)	1072	158	27.538
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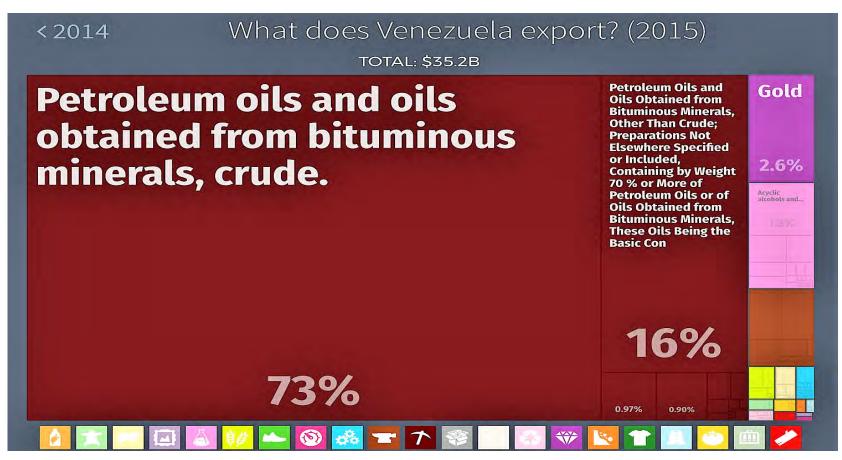
- Which country will reach the target values for 2016?
- Venezuela
- South Korea
 - More complexity



Differences in policy

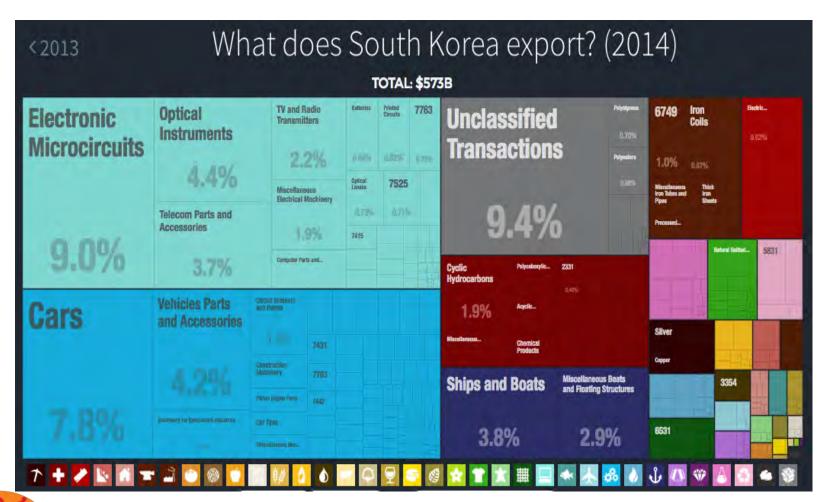


Less diversity



Source: Observatory of Economic Complexity, MIT

More diversity



Source: Observatory of Economic Complexity, MIT

CITGO

Policy gap



Fuente: MIT. Observatory of Economic Complexity



Knowledge-blackout

- More than half a century
- Millions of migrants

- Systematic reduction of knowledge
 - Industry
 - Research
 - Capacities of the society



Knowledge blackout

The reason we are meeting today

The reason many keep leaving the country

Effects on health conditions



Implications for action

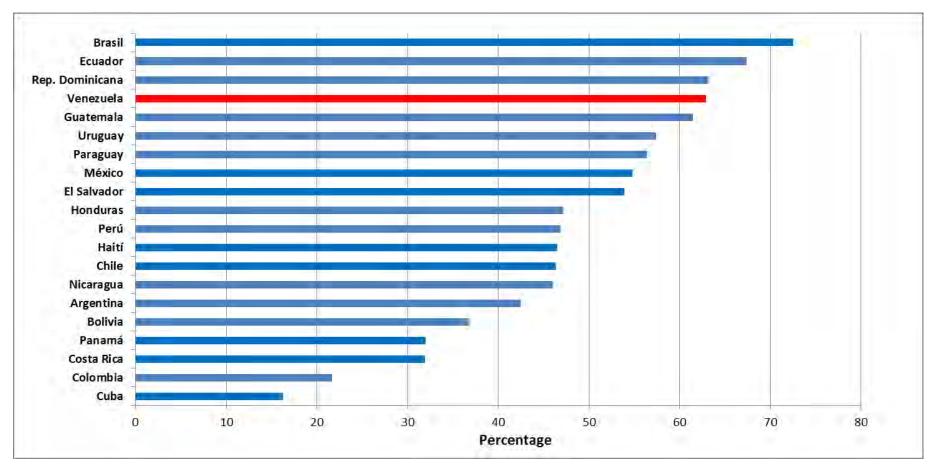
- Personal level
 - Increase knowledge
- Country level:
 - Changing the trend of knowledge destruction
 - It is possible now
 - In fact, we are doing it now!



Manifestations in health conditions



2000: Fourth highest private expenditure in LA

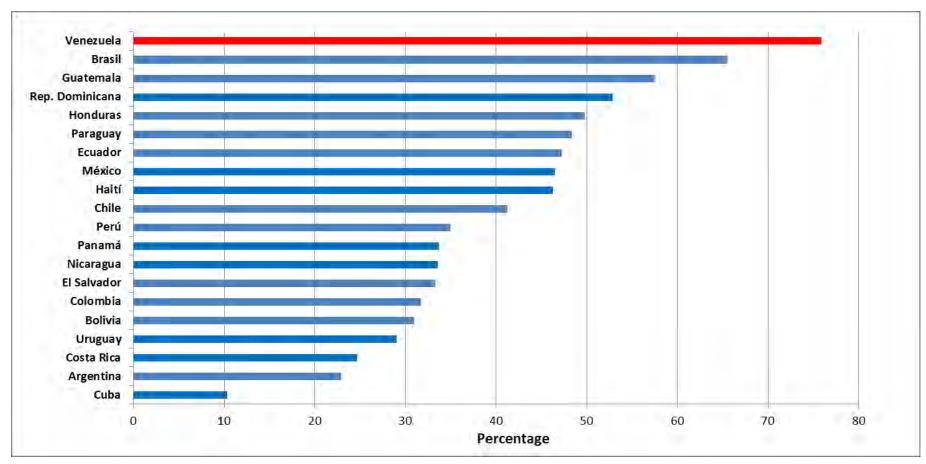


Source: Global Health Expenditure Database, WHO, Own calculations



Lack of financial protection

2016: Highest private expenditure in LA

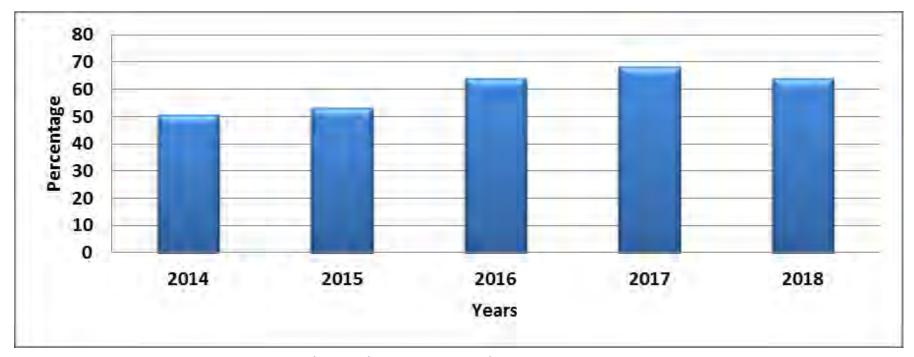






The highest lack of financial protection in LA

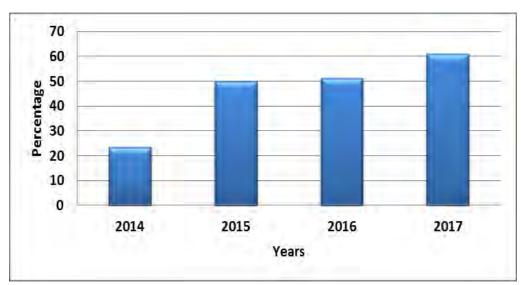
Two thirds of the population without health insurance



Source: Encuesta de Condiciones de Vida (ENCOVI), UCV-UCAB-USB (2014-2017), USB. National Survey of Health and Pensions (ENSAP), 2018



Extreme poverty



Source: Encuesta de Condiciones de Vida (ENCOVI), UCV-UCAB-USB

 60% of children under 3 in risk of undernutrition

 1,8 million of children

Knowledge of the future



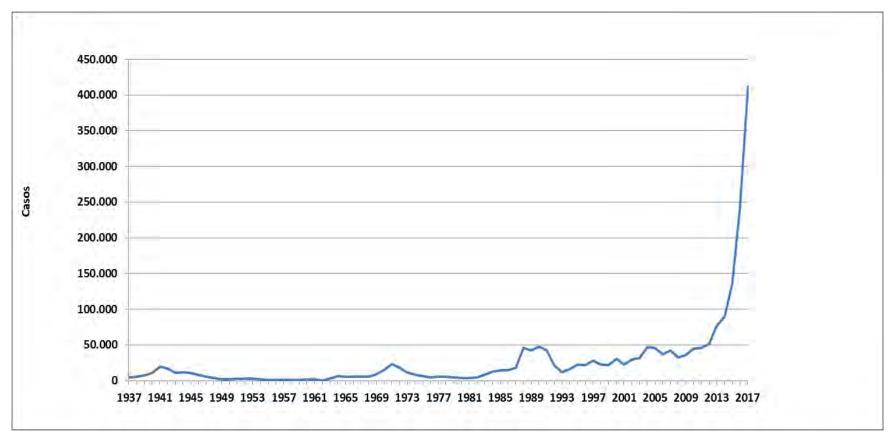
Epidemics

Measles

Diphtheria



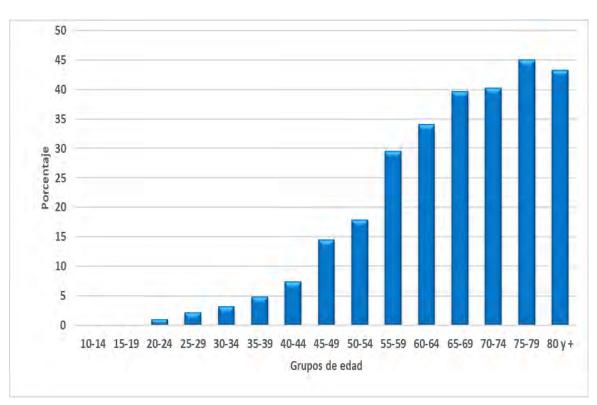
Malaria



Source: Reports of the Ministry of Health, WHO



Control of high blood pressure



 The disease is not recognized by half of the people who may have it in the older age groups

Source: Encuesta de Condiciones de Vida (ENCOVI), UCV-UCAB-USB, 2016



Coverage of services

11.7% of women between 36 and 40 years of age have never had a cervical smear

 26.7% of women aged 50-55 have never had a mammogram

 78% of men aged 50-55 have not sought prostate cancer screening services



Source: USB. National Survey of Health and Pensions (ENSAP), 2018

Hospitals (end of 2018)

Situation in the 40 largest public hospitals

33% of the beds were not operational

- 45% without operating laboratories
- 51.3% without RX services



95% without CT and MRI services

Source: Encuesta Nacional de Hospitales ENH, 2018

Human resources

22,000 doctors have emigrated

33% of the total registered with the doctors' association

This includes:

- 6700 pediatricians
- 1400 OB/GYNs
- 2500 surgeons



Balance

A country in high risk

Deterioration

The worst performance in LAC



Guidelines for Transformation



Fundamental premise

From a Knowledge-blackout

- To a Knowledge Society
 - Diversification
 - Value creation
 - Positive Index of Economic Complexity
 - ASAP
 - High technology exports



Requirements

- Political conditions
 - Institutions
 - Rule of Law
- Economic conditions
 - Stability
 - Growth

Inclusion



Transformation of the Health System



Financing

- Fully financed by general revenues
- Universal financial protection
 - Independent from:
 - Employment condition
 - Economic condition
 - Social condition

- Out-pocket-expenditure
 - Moderate: in one year
 - Low: in three years



Organization

- National Health System
 - 60-80% of the population

Universal coverage of health services

- Inter-governmental decision-making
 - Coordination: Ministry of Health
 - 24 Subnational Health Services



Provision

Integrated care

- Public and private partnerships
 - Clinics
 - Hospitals
 - NGOs
- Working with
 - Schools and workplaces
 - Mass media
 - Universities and research centers



Actions



Challenge

- Working together to build the best knowledge society as quickly as possible
- Create and communicate knowledge
- Participation in networking
 - Venezuela
 - Abroad
 - Persons
 - Institutions



- Humanitarian support
 - Food, medicines, supplies
- Children in risk of undernutrition

- Networking
 - Local institutions
 - Global





- **Knowledge cooperation:**
 - Inventory of know how
 - Call center
 - Working with local teams
 - **Priorities**





Training:

- Distance learning
 - A chat may be the difference
- Short-term
 - One week
 - One month
- Priorities
 - Health problems
 - Institutions



- Short term research:
 - Oriented to specific problems
 - Management
 - Supporting monitoring at country level



- Identification of institutional options
 - Treatment
 - Diagnosis
- Visualizing the medium term



Medium term

- Humanitarian support
- Knowledge Partnerships
 - Subnational health systems
- Training for innovations
- Creating new services



Implementation

- Venezuela as global source of innovation
 - Research
 - Networking
 - Knowledge transfer

- Medium-term training
- Technology and innovation



Quality of services

Guide for action

- Networking
- New skills

- Creation and communication of knowledge
- Training



Monitoring

Let's work together to transform the Venezuelan Health System



Thanks!

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