PAHO Webinar Series: Tackling NCDs, Risk Factors And Mental Health During The Time Of Covid-19

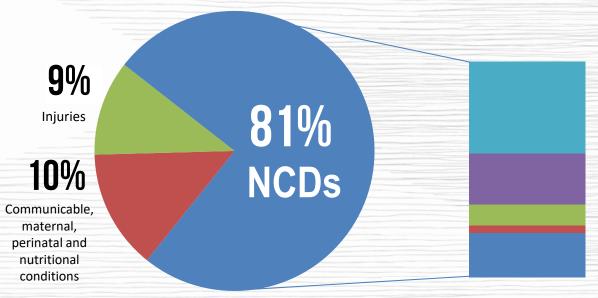
Situation of COVID-19 in the Americas and Impact on Priority Health Programs

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Pan American
Health
Organization
World Health
Organization
Americas

Noncommunicable Diseases are the Leading Causes of Death in the Americas



Cardiovascular diseases 35%

Cancer 24%

Respiratory diseases **9%** Diabetes **5%**

Other NCDs 27%

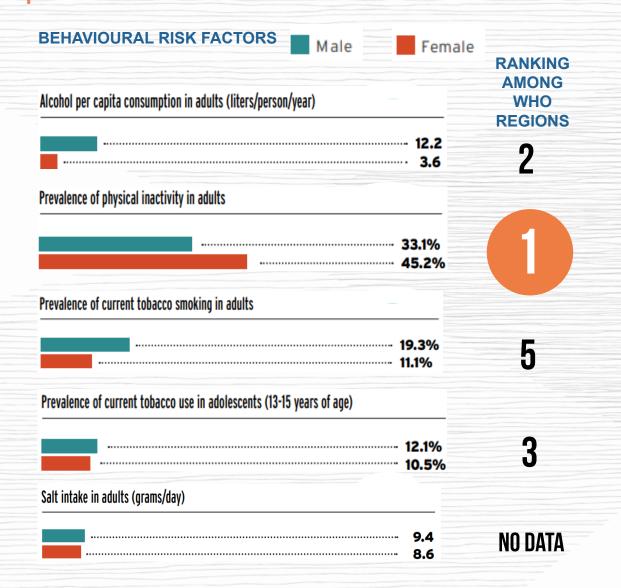
5.8 million (81%) All deaths are caused by NCDs

7.1
million
Estimated total deaths

34% NCD deaths are premature (30-70 years)



Risk Factor Prevalence in the Americas



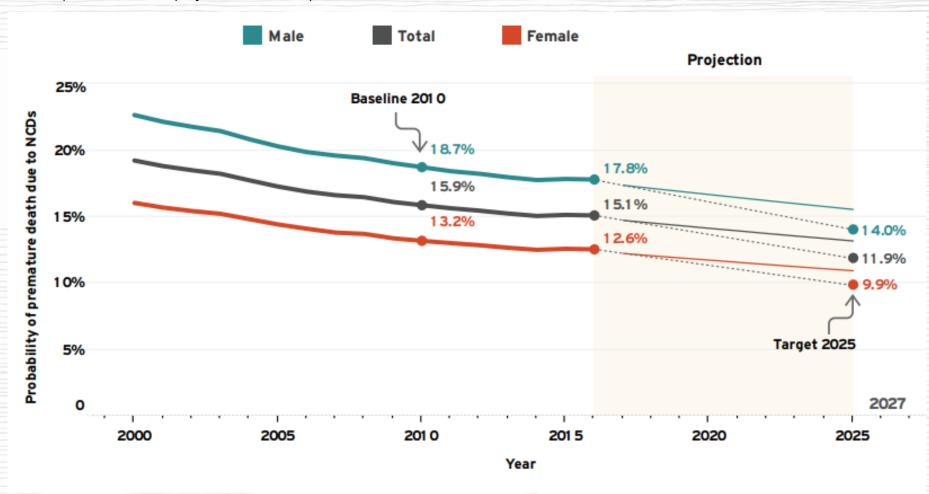
RANKING AMONG Prevalence of raised fasting blood glucose **WHO REGIONS** Prevalence of raised blood pressure Prevalence of overweight and obesity in adults 64.1% ····· 60.9% Prevalence of obesity in adults ------ 31.0% Prevalence of obesity in adolescents (10-19 years of age) ······· 14**.**0%

BIOLOGICAL RISK FACTORS



Risk of Dying Prematurely from NCDs

Unconditional probability of dying between 30-70 years old from one of the four main NCDs, by sex (2000-2016 with projections for 2025)



THE REGION
IS NOT ON
TARGET TO
MEET THE
GLOBAL
GOAL OF 25%
REDUCTION
IN NCD
PREMATURE
MORTALITY

Source: NCDs at a Glance: NCD mortality and risk factor prevalence in the Americas. PAHO. Available at: https://bit.ly/2Rmm6Pg **Data source:** World Health Organization. Global health estimates 2016: deaths by cause, age, sex, by country and by region, 2000–2016. Geneva: WHO; 2018. https://bit.ly/37xbZwD



The Americas is the Region most affected by COVID-19



54 800 639 Total COVID-19 cases

(as of March 25 2021)

44%

Of global cases are in the Americas region

1 319 522 Total COVID-19 deaths

(as of March 25 2021)

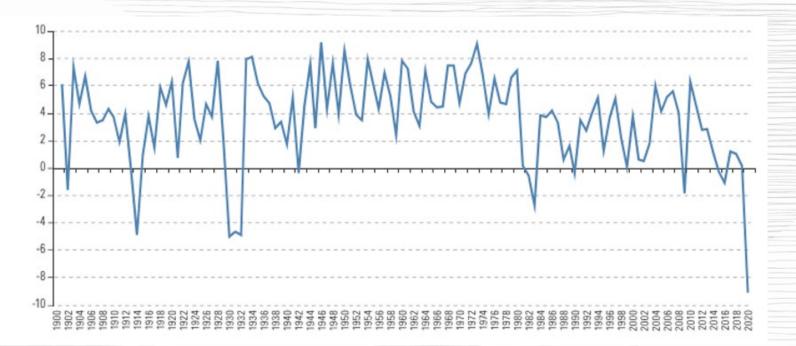
48%

Of global cases are in the Americas region



COVID-19: Economic Impact in LAC

GDP Growth Rate (%) in Latin America and the Caribbean, 1901-2020



Source: The Social Panorama of Latin America. ECLAC, 2020. https://www.cepal.org/en/publicaciones/ps

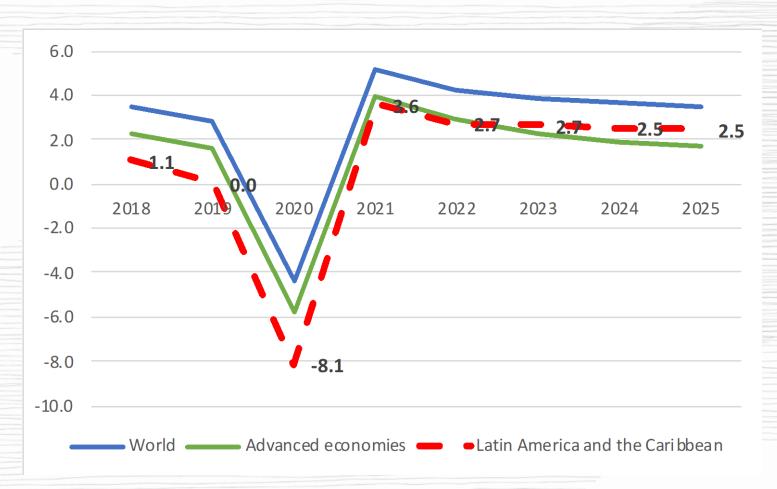


OVERALL 7.7% FALL IN GDPIN LAC IN 2020

PER CAPITA GDP REDUCTION OF 8.5% IN LAC, WITH INCREASE IN POVERTY

MAJOR IMPACT ON
CARIBBEAN ECONOMIES,
DUE TO COLLAPSE OF
TOURISM SECTOR

2021 - 2025: A Return to Sustained Slow Growth



Source: International Monetary Fund. 2020. World Economic Outlook: A Long and Difficult Ascent. Washington, DC, October 2020.

AN EXPECTED 5 – 10 YEARS TO MAKE UP FOR LOST ECONOMIC GAINS IN LAC

HIGHLY DEPENDENT ON CONTROL OF COVID-19 AND VACCINE DEPLOYMENT

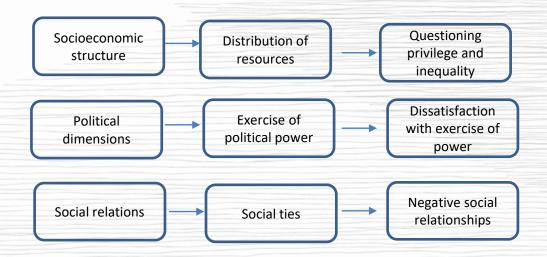
OUTLOOK IS HIGHLY UNPREDICTABLE

SUSTAINED AND INCLUSIVE ECONOMIC GROWTH?



Dire Impact on the Most Vulnerable Populations and Leading to Social Unrest

Dimensions of social unrest



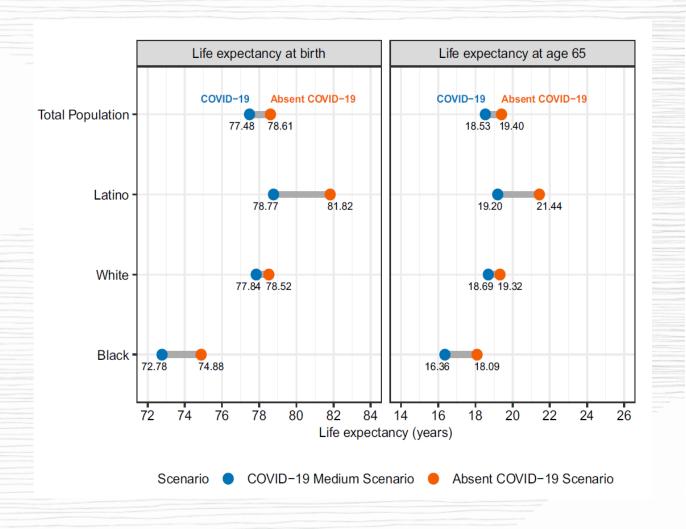
Adapted from: ECLAC-PAHO. Health and the economy: a convergence needed to address COVID-19 and retake the path of sustainable development in Latin America and the Caribbean,2020. https://www.cepal.org/en/publications/45841-health-and-economy-convergence-needed-address-covid-19-and-retake-path

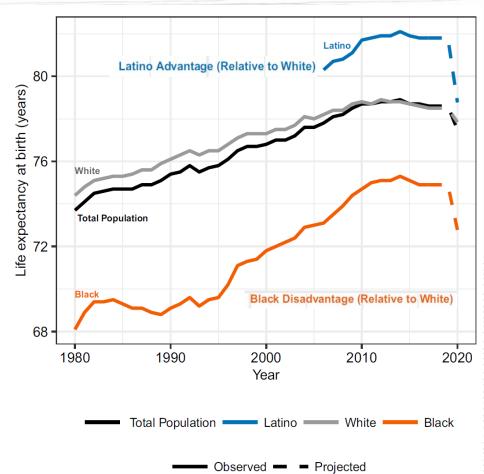
POPULATIONS DISPROPORTIONATELY AFFECTED BY COVID-19:

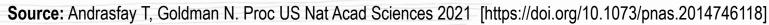
- Women
- Indigenous and Afro-descendant populations
- Migrants and refugees
- People over 60 years of age (85 million) and people with disabilities (70 million) in LAC



Impact of Disparities: Reductions Life Expectancy due to COVID-19, USA 2020



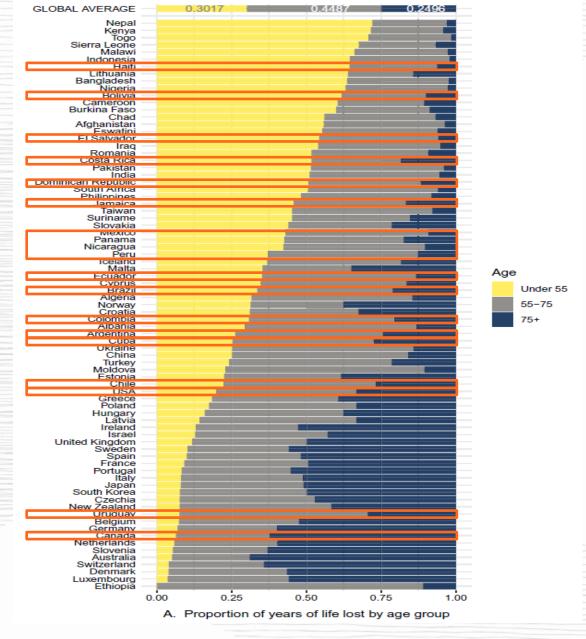


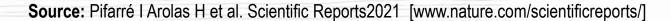




Years of Life Lost due to COVID-19 in 81 Countries of the World

COUNTRIES IN THE AMERICAS RANKED AMONG HIGHEST IN THE WORLD







Leading Causes of deaths in the Americas

2020

2020 (forecast)*

	Causes	No 7,225,073	% 100.0
1	Ischaemic heart disease	1,101,131	15.2
2	Stroke	481,933	6.7
3	Alzheimer disease and other dementias	393,987	5.5
4	Chronic obstructive pulmonary disease	381,710	5.3
5	Lower respiratory infections	319,730	4.4
6	Diabetes mellitus (excluding CKD due to Diabetes)	286,605	4.0
7	Trachea, bronchus, lung cancers	258,414	3.6
8	Kidney diseases	256,314	3.5
9	Interpersonal violence	195,485	2.7
10	Hypertensive heart disease	158,710	2.2
11	Road injury	156,173	2.2
12	Cirrhosis of the liver	144,343	2.0
13	Colon and rectum cancers	134,939	1.9
14	Breast cancer	110,446	1.5
15	Prostate cancer	98,415	1.4
16	Self-harm	98,215	1.4
17	Neonatal conditions	87,112	1.2
18	Drug use disorders	86,758	1.2
19	Pancreas cancer	82,659	1.1
20	Falls	81,271	1.1

	Causes	No 8,115,073	% 100
1	Ischaemic heart disease	1,101,131	13.6
2	COVID-19	890,000	11.0
3	Stroke	481,933	5.9
4	Alzheimer disease and other dementias	393,987	4.9
5	Chronic obstructive pulmonary disease	381,710	4.7
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Communicable, maternal, perinatal and nutritional conditions

Noncommunicable diseases

Injuries

Source: WHO Mortality Database. 2020 Forecasting based on 2019 assuming uniform causes throughout the year 2020* Forecasting based on 2019 including the number of estimated deaths due to COVID-19 and assuming uniform causes of non-COVID-19 causes throughout the year (effect direct of COVID-19 as underlying cause of death)



COVID-19 Presents Greater Challenges For PLWNCDs



Policy Brief:
COVID-19 and the
Need for Action
on Mental Health

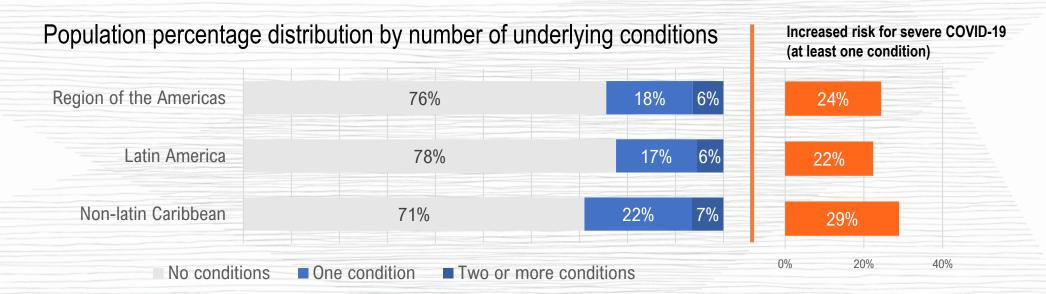
13 MAY 2020

WHO Information Note on COVID-19 and NCDs WHO Policy Brief on COVID-19 and Mental Health

- 250 MILLION PERSONS IN THE AMERICAS LIVE WITH A CHRONIC CONDITION.
- PEOPLE WITH HYPERTENSION, DIABETES OR OTHER NCDS AT **HIGHER RISK** OF DEVELOPING COVID-19.
- MORE SEVERE CASES OF COVID-19 IN THOSE WITH HYPERTENSION, CARDIOVASCULAR DISEASES, DIABETES, SMOKING, CHRONIC OBSTRUCTIVE PULMONARY DISEASE, CANCER, AND CHRONIC KIDNEY DISEASE.
- IN THE USA: 6-FOLD HIGHER HOSPITALIZATIONS AND 12-FOLD HIGHER MORTALITY IN THOSE WITH COVID AND UNDERLYING CONDITIONS VS. THOSE WITHOUT.
- OLDER AGE, HYPERTENSION, DIABETES, COPD AND CVDS WERE ASSOCIATED WITH GREATER RISK OF DEATH FROM COVID-19 INFECTION.
- THE COVID-19 PANDEMIC WILL TRIGGER A MAJOR
 MENTAL HEALTH CRISIS, IF URGENT ACTION IS NOT TAKEN.



NCDs and Increased Risk of Severe COVID-19



	Regi	on of the America	as	
	No conditions	One condition	Two or more conditions	Increased risk (at least one condition)
Both sexes	771.8 (76%)	183.8 (18%)	65.3 (6%)	249.1 (24%)
Men	394.0 (78%)	83.3 (17%)	26.0 (5%)	109.3 (22%)
Women	377.8 (73%)	100.5 (19%)	39.3 (8%)	139.8 (27%)

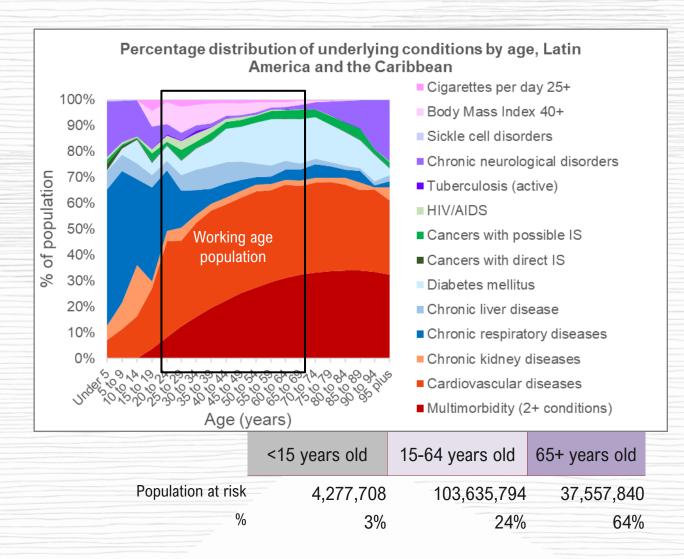
Source: Tool to estimate comorbidities, NMH-PHE, PAHO/LSHTM **Technical note:** Estimates generated using mean prevalence, 14 conditions. November 16, 2020.



Distribution of Underlying Health Conditions by Age

AND THE CARIBBEAN

22%145 million



Source: Tool to estimate comorbidities, NMH-PHE, PAHO/LSHTM **Technical note**: estimates generated using mean prevalence, 14 conditions. November 16, 2020.



COVID-19 and Links to NCDs

STAY AT HOME MEASURES ARE LEADING TO AN INCREASE IN NCD RISKS

- Unhealthy diets
- Insufficient physical activity
- Smoking tobacco
- Drinking alcohol

Disruptions in provision of health care services, closures

FEAR OF ATTENDING CARE FACILITIES HAVE RESULTED IN:

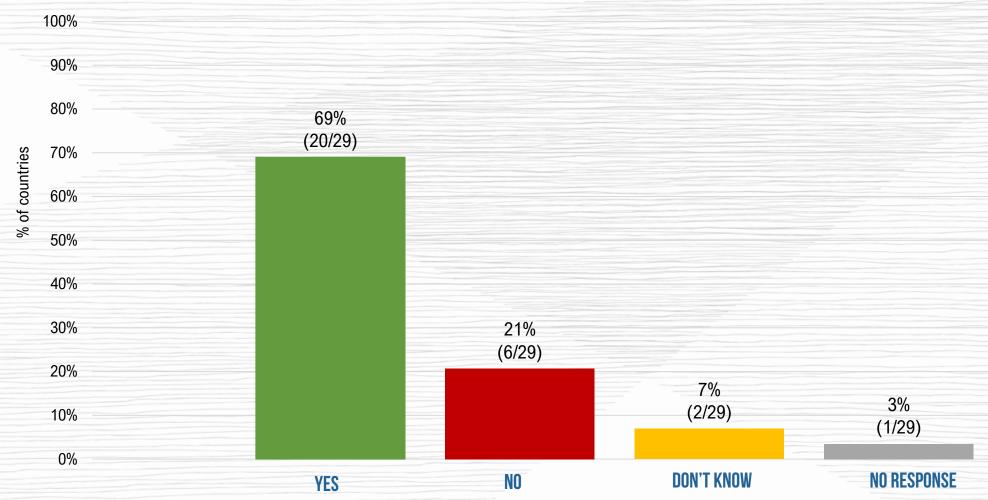
- Reduced elective clinic visits and lower access to renal dialysis,
- Reduced cancer care
- Delays in high priority treatments for patients with NCDs.

Patients at higher risk of complications and death from NCDs which we know how to treat



NCD services in COVID-19 plans

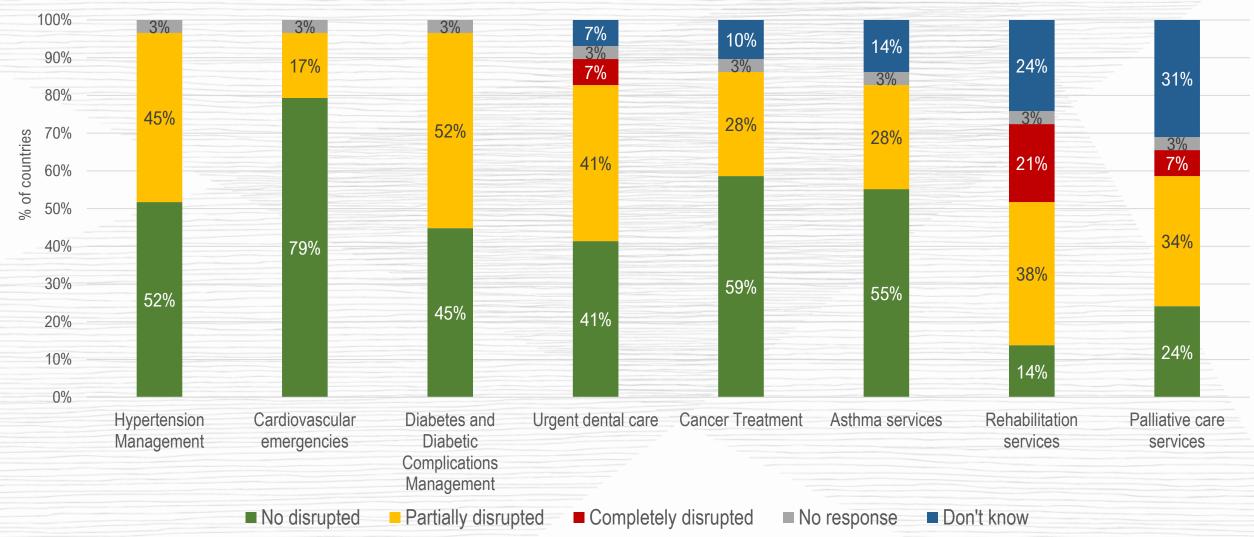
Percentage of countries where the continuity of NCD services were included in the list of essential health services in the country's COVID-19 response plan





Type of NCD Services Disrupted during COVID-19

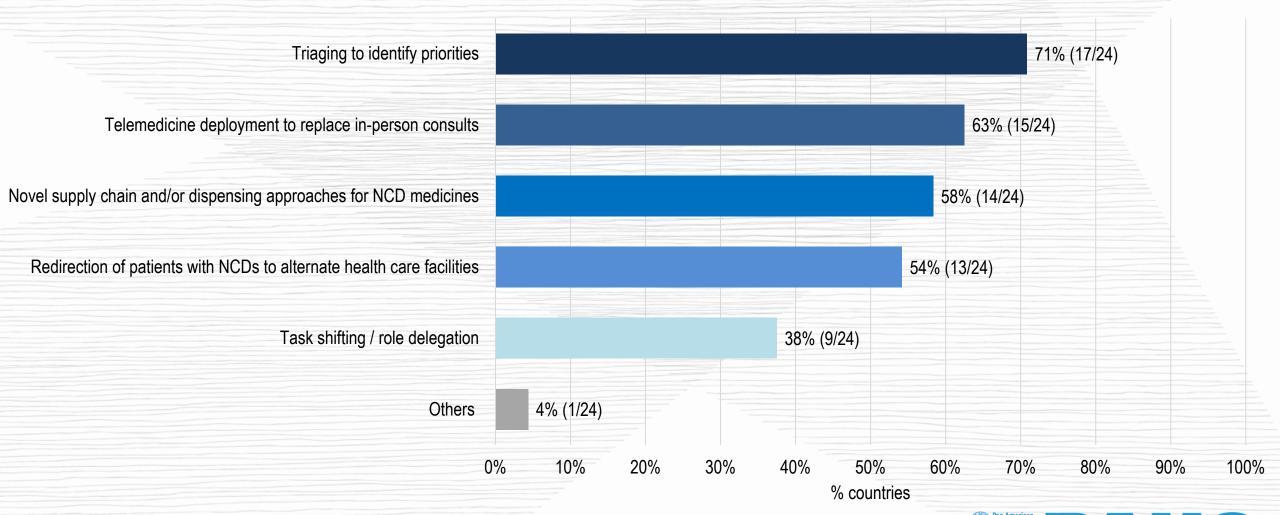
Percentage of countries with activities disrupted by COVID-19.





Strategies Used to Overcome NCD Service Disruptions

Percentage of countries with strategies to overcome NCD service disruptions



Maintaining NCD Services During COVID-19



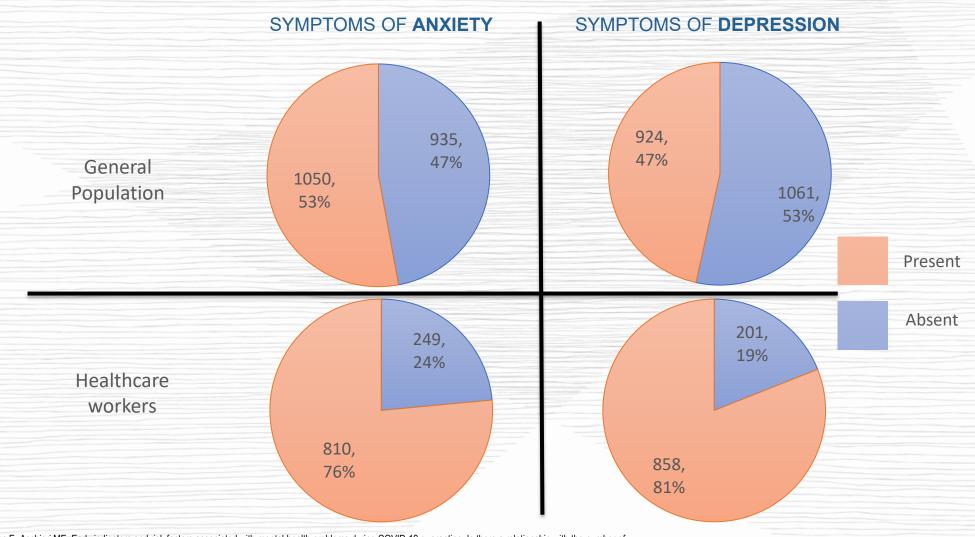
- Ensure chronic disease management in primary care maintained, if possible, via tele-medicine, or with a reduction in provider encounters
- Provide 3-month supply of medication
- Counsel on self-management
- Concentrate 24-hour acute care services at designated hospital emergency units and ensure public awareness
- Promote basic infection-prevention measures
- Maintain availability of essential NCD medicines and supplies
- Create a platform for reporting inventory/stockouts, and for coordination of re-distribution of supplies



COVID-19 and Mental health

- Globally, in situations of emergency, 1 in 5 persons presents with a mental health condition
- Mental health and substance use disorders already account for 34% of total disability in the Americas
- Increased symptoms of depression, anxiety, and substance use related to COVID-19
- Canada: 20-25% of those aged 18-54 years have increased their alcohol consumption during COVID-19
- USA: 45% of adults indicated negative mental health impact due to worry and stress over the virus

Mental Health among General Population and Healthcare Workers, Argentina 2020



Source:

Badellino H, Gobbo ME, Torres E, Aschieri ME. Early indicators and risk factors associated with mental health problems during COVID-19 quarantine: Is there a relationship with the number of confirmed cases and deaths? International Journal of Social Psychiatry. October 2020. doi:10.1177/0020764020966020 (General Population)

Daniela L. Giardino, Cristian Huck-Iriart, Maximiliano Riddick, Arturo Garay The endless quarantine: the impact of the COVID-19 outbreak on healthcare workers after three months of mandatory social isolation in Argentina https://pubmed.ncbi.nlm.nih.gov/33059247 (Healthcare workers)



CONCLUSIONS

- The pandemic led to unprecedented loss of life; disruptions of health systems and services; and societies
- Those living in vulnerable situations were most impacted
- The pandemic demonstrated an unexpected interplay between NCDs, mental health and an infectious disease - for which health systems were unprepared
- Key to ensure that NCDs and mental health are integrated into national COVID-19 response plans



CONCLUSIONS

- Critical to preserve the public health gains Improve policies and fiscal measures for NCD risk factors: scale up the Best Buys
- Integrate NCDs and mental health in strengthened primary health care maintaining the innovations such as Digital health;
- Strategic investments will be required for a transformed health system able to respond to future catastrophic emergencies
- Strengthen surveillance and research for NCDs, with resilient and comprehensive information systems for health including data on NCDs and related COVID-19 outcomes

