

PMR Public Report

Operation Number	JA-L1049	Chief of Operations Validation Date	04/19/21
Year- PMR Cycle	Second period Jan-Dec 2020	Division Chief Validation Date	04/20/21
Last Update	04/19/21	Country Representative Validation Date	04/27/21
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Support for the Health Systems Strengthening for the Prevention and Care Management of Non-Communicable Diseases Programme	Loan Number	4668/OC-JA
Executing Agency	MINISTRY OF HEALTH AND WELLNESS	Sector/Subsector	HEALTH-HEALTH SYSTEM STRENGTHENING
Team Leader	PEREZ CUEVAS, RICARDO ENRIQUE	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	Jamaica
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	JAMAICA		

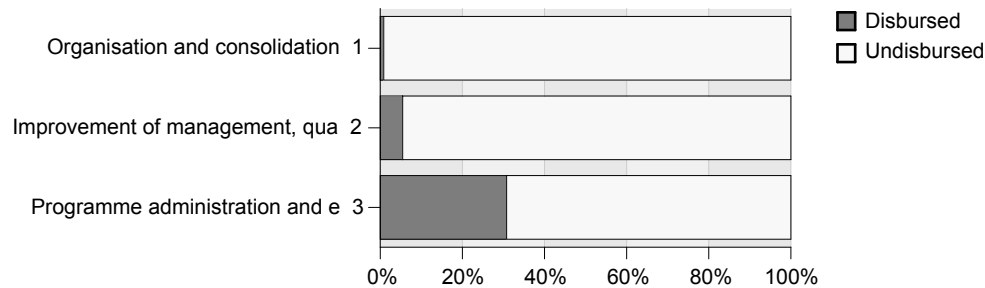
Environmental and Social Safeguards

Impacts Category	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
JA-L1049	50,000,000	50,000,000	0	0	50,000,000	50,000,000	3,225,593.01	6.45%	46,774,406.99
Aggregated	50,000,000	50,000,000	0	0	50,000,000	50,000,000	3,225,593.01	6.45%	46,774,406.99

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

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General Development Objectives

General Development Objectives Nbr. 1: To improve access to an upgraded and integrated primary and secondary health network in prioritized areas with an emphasis on chronic disease management to provide more efficient and higher quality care.

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.0	Premature mortality rate for cardiovascular diseases (male)	Deaths/ 1000,000 inhabitants	189.90	2016	2024	P	186.70
						A	

Details

Means of verification: Register General's Department Statistics

Observations: ICD-10: I60-I69; population 30-69 years. Pro-gender; gender tracking. Baseline data for each parish required

Pro-Gender Yes

Pro-Ethnicity No

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.2	Premature mortality rate for cardiovascular diseases (female)	Deaths/ 100,000 inhabitants	126.10	2016	2024	P	124.00
						A	

Details

Means of verification: Register general's department statistics of Jamaica

Observations: ICD-10: I60-I69; population 30-69 years. Pro-gender; gender tracking. Baseline data for each parish required

Pro-Gender Yes

Pro-Ethnicity No

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.2	Premature mortality rate for diabetes mellitus (male)	Deaths/ 100,000	65.10	2016	2024	P	64.00

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General Development Objectives

1.2	Premature mortality rate for diabetes mellitus (male)	inhabitants	65.10	2016	2024	A	
Details							
Means of verification: Register General's Department Statistics							
Observations: ICD-10: E10-E14; population 30-69 years. Pro-gender; gender tracking. Baseline data for each parish required							
Pro-Gender		Yes	Pro-Ethnicity		No		
The General Development bjective indicator target is expected tobe observed by the operation's "Fully Justified" date inConvergence (CO)		No					

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.3	Premature mortality rate for diabetes mellitus (female)	Deaths/ 100,000 inhabitants	70.20	2016	2024	P	69.00
						A	

Details							
Means of verification: Register General's Department Statistics							
Observations: ICD-10: E10-E14; population 30-69 years. Pro-gender; gender tracking. Baseline data for each parish required							
Pro-Gender		Yes	Pro-Ethnicity		No		
The General Development bjective indicator target is expected tobe observed by the operation's "Fully Justified" date inConvergence (CO)		No					

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General Development Objectives

General Development Objectives Nbr. 2: To strengthen comprehensive policies for the prevention of non-communicable chronic diseases

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.4	Prevalence of diabetes mellitus for age group 15 yrs+ (male)	%	9.00	2017	2024	P	9.00
						A	

Details

Means of verification: Jamaica Health and Lifestyle Survey (JHLS).

Observations: Baseline and goal will be updated when the 2016/17 JHLS-III is available. Follow up will be done with JHLS-IV.

Pro-Gender Yes

Pro-Ethnicity No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.5	Prevalence of diabetes mellitus for age group 15 yrs+ (female)	%	14.60	2017	2024	P	14.60
						A	

Details

Means of verification: Jamaica Health and Lifestyle Survey (JHLS).

Observations: Baseline and goal will be updated when the 2016/17 JHLS-III is available. Follow up will be done with JHLS-IV.

Pro-Gender Yes

Pro-Ethnicity No

The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO) No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.6	Prevalence of hypertension for age 15 yrs+ (male)	%	31.70	2017	2024	P	31.20
						A	

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General Development Objectives

Details							
Means of verification: Jamaica Health and Lifestyle Survey (JHLS).							
Observations: Baseline and goal will be updated when the 2016/17 JHLS-III is available. Follow up will be done with JHLS-IV.							
Pro-Gender		Yes	Pro-Ethnicity		No		
The General Development bjective indicator target is expected tobe observed by the operation's "Fully Justified" date inConvergence (CO)		No					
	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.7	Prevalence of hypertension for age 15 yrs+ (female)	%	35.80	2017	2024	P	35.20
						A	
Details							
Means of verification: Jamaica Health and Lifestyle Survey (JHLS).							
Observations: Baseline and goal will be updated when the 2016/17 JHLS-III is available. Follow up will be done with JHLS-IV.							
Pro-Gender		Yes	Pro-Ethnicity		No		
The General Development bjective indicator target is expected tobe observed by the operation's "Fully Justified" date inConvergence (CO)		No					
	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.8	Prevalence of obesity among girls, 13-15 years	%	10.30	2017	2024	P	9.50
						A	
Details							
Means of verification: Global school-based student health survey (GSHS)							
Pro-Gender		Yes	Pro-Ethnicity		No		
The General Development bjective indicator target is expected tobe observed by the operation's "Fully		No					

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General Development Objectives

Justified" date
inConvergence (CO)

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.9	Prevalence of obesity among boys, 13-15 years	%	9.90	2017	2024	P	9.00
						A	

Details

Means of verification: Global school-based student health survey (GSHS)

Pro-Gender	Yes	Pro-Ethnicity	No
The General Development bjective indicator target is expected to be observed by the operation's "Fully Justified" date inConvergence (CO)	No		

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Specific Development Objectives

Specific Development Objectives Nbr. 0: To provide more efficient and higher quality care for patients with chronic non-communicable diseases

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.0	% of patients with hypertension who were treated according to management protocols (target health centres)	%	0.00	2019	P	0.00						25.00
					A	0.00	0.00					

Details

Means of verification: Annual project audit

Pro-Gender	No	Pro-Ethnicity	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.2	% of patients with diabetes that were treated according to management protocols (target health centres)	%	0.00	2019	P	0.00						25.00
					A	0.00	0.00					

Details

Means of verification: Annual project audit

Pro-Gender	No	Pro-Ethnicity	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.4	% of men age 18 years+ with hypertension that have their blood pressure controlled.	%	26.00	2008	P	0.00						26.50
					A	26.00	26.00					

Details

Means of verification: Jamaica Health and Lifestyle Survey (JHLS)

Observations: The survey diagnoses persons with hypertension and asks them if they are aware of their condition and if they are undergoing treatment for such condition.

Pro-Gender	Yes	Pro-Ethnicity	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.5	% of women age 18+ years with hypertension that have their blood pressure controlled.	%	44.90	2008	P	0.00						50.00
					A	44.90	44.90					

Details

Means of verification: Jamaica Health and Lifestyle Survey (JHLS)

Observations: The survey diagnoses persons with hypertension and asks them if they are aware of their condition and if they are undergoing treatment for such condition.

Pro-Gender	Yes	Pro-Ethnicity	No
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Specific Development Objectives

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.6	Patients who were triaged in less than 30 minutes (target hospitals)	%	34.00	2017	P	0.00						69.00
					A	34.00	34.00					

Details

Means of verification: Ministry of Health

Observations: Baseline and goal to be adjusted during e-triage implementation

Pro-Gender No **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.7	Patients with category 5 Emergency Severity Index Triage rating in AED (3 hospitals)	%	40.00	2017	P	0.00						20.00
					A	40.00	40.00					

Details

Means of verification: Ministry of Health E-Triage system

Observations: Baseline and goal to be adjusted during e-triage implementation

Pro-Gender No **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.7	Hospital admission rates of patients with hypertension acute complications	hospital admissions of hipertension acute complications/ 10000 patients with hypertension	135.80	2019	P	0.00						133.00
					A	135.80	135.80					

Details

Means of verification: Ministry of Health hospital discharges summaries

Pro-Gender No **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.8	Average patient length of stay on general medicine wards (target hospitals)	Days	8.70	2017	P	0.00						7.00
					A	8.70	8.70					

Details

Means of verification: Ministry of Health Hospital Monthly Statistics Report

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Specific Development Objectives

Observations: Weighted per number of beds by hospital

Pro-Gender		No	Pro-Ethnicity				No					
Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
0.8	Hospital admission rates of patients with diabetes acute complications	Rate	113.00	2019	P	0.00						112.00
					A	113.00	113.00					
Details												
Means of verification: MoH Health information system hospital discharges summaries												
Pro-Gender		No	Pro-Ethnicity				No					

Specific Development Objectives Nbr. 1: To improve access to an upgraded and integrated primary and secondary health network in prioritized areas with an emphasis on chronic disease management

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
1.0	Persons receiving packet of health services (area of investment intervention)	# of beneficiaries	800,000.00	2017	P	0.00						808,000.00
					A	800,000.00	800,000.00					
Details												
Means of verification: Ministry of Health (i) Hospital Monthly Statistics Report (ii) Monthly Clinic Summary Report												
Observations: Parameters: parish population, clinic usage rate, ambulatory care rate, hospital discharge rate. The average annual (%) growth rate in the period 2010-2017 was 0.20, therefore, it is expected that the population in the intervention areas will increase at this pace.												
Pro-Gender		No	Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
1.3	Health centre diabetes patients with annual HbA1c glucose exam (target health centres)	%	30.00	2019	P	0.00						50.00
					A	30.00	30.00					
Details												
Means of verification: Annual project audit: sample medical records review												
Pro-Gender		No	Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
1.12	Ministry of Health equipment and facility maintenance budget	%	1.40	2017	P	0.00						3.00
					A	1.40	1.40					
Details												

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Specific Development Objectives

Means of verification: Ministry of Finance and Public Service Expenditure Estimates

Pro-Gender No **Pro-Ethnicity** No

Specific Development Objectives Nbr. 2: To strengthen comprehensive policies to prevent non-communicable (chronic) diseases risk factors

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
2.2	% of female students aged 13-15 years who smoke cigarettes	%	11.00	2017	P	0.00						10.00
					A	11.00	11.00					

Details

Means of verification: Global school-based student health survey (GSHS)

Pro-Gender Yes **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
2.3	% of male students aged 13-15 years who smoke cigarettes	%	19.10	2017	P	0.00						18.00
					A	19.10	19.10					

Details

Means of verification: Global school-based student health survey (GSHS)

Pro-Gender Yes **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
2.6	% of students aged 13-15 years who are sedentary – Females (national level)	%	62.70	2017	P	0.00						58.00
					A	62.70	62.70					

Details

Means of verification: Global school-based student health survey (GSHS)

Observations: Definition: % of students who spent more than three or more screen time hours per day (sitting and watching television, playing computer games, or talking)

Pro-Gender Yes **Pro-Ethnicity** No

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
2.7	% of students aged 13-15 years who are sedentary – Males (national level)	%	49.80	2017	P	0.00						45.00
					A	49.80	49.80					

Details

Means of verification: Global school-based student health survey (GSHS)

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RESULTS MATRIX

Specific Development Objectives

Observations: Definition: % of students who spent more than three or more screen time hours per day (sitting and watching television, playing computer games, or talking

Pro-Gender		Yes			Pro-Ethnicity				No			
Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	2024	EOP 2023
2.9	% of population aged 15-74 who does not meet the recommended daily intake of vegetables (national level)	%	99.00	2008	P	0.00						90.00
					A	99.00	99.00					
Details												
Means of verification: Jamaica Health and Lifestyle Survey (JHLS)												
Pro-Gender		No			Pro-Ethnicity				No			

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Component 1. Organization and consolidation of integrated health services networks

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
1.1	Hospital 1 (ST) with infrastructure upgrades completed	Hospital	P	0	1	0	22,918,844
			P(a)	0	1	0	22,918,844
			A	0	0	333,345	358,111
1.2	Upgrades for Hospital 1 (ST) designed	Design document	P	1	1	834,938	834,938
			P(a)	0	1	301,500	834,938
			A	0	0	109,368	109,368
1.3	Hospital 2 (SA) with infrastructure upgrades completed	Hospital	P	0	1	0	3,480,000
			P(a)	0	1	0	3,480,000
			A	0	0	0	0
1.4	Hospital 3 (MP) with infrastructure upgrades completed	Hospital	P	0	1	0	1,850,000
			P(a)	0	1	0	1,850,000
			A	0	0	0	0
1.5	Hospitals with new medical equipment installed	Hospitals	P	0	3	35,000	6,015,439
			P(a)	0	3	14,840	6,015,439
			A	0	0	29,881	50,041
1.6	Hospitals with industrial laundry equipment installed	Hospitals	P	0	3	21,000	829,000
			P(a)	0	3	21,000	829,000
			A	0	0	356,274	356,274
1.7	Hospitals with new imaging equipment installed	Hospitals	P	0	2	0	1,300,000
			P(a)	0	2	0	1,300,000
			A	0	0	0	0
1.8	Hospitals with corrective and preventive maintenance on infrastructure and equipment performed	Hospitals	P	0	3	0	440,000
			P(a)	0	3	0	440,000
			A	0	0	0	0

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 2 Improvement of management, quality and efficiency of health services

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
2.1	Patient care pathways and protocols updated and distributed	Pathway and protocol documents	P	0	2	0	330,000
			P(a)	0	2	0	330,000
			A	0	0	0	0
2.2	Health centers with adapted health networks with Caribbean chronic care model implemented	Health centres	P	0	10		270,000
			P(a)	0	10		270,000
			A	0	0	0	0
2.3	National Governance Structure to guide IS4H development formally established	IS4H Governance Document	P	0	1	646,750	1,142,667
			P(a)	0	1	367,624	1,142,667
			A	0	0	218,660	256,306
2.4	National IS4H Policy reviewed and adapted	IS4H Policy Document	P	0	1	201,183	326,333
			P(a)	0	1	141,350	326,333
			A	0	0	71,215	91,815
2.5	National Strategy for Telehealth developed and approved	Telehealth strategy document	P	1	1	55,000	55,000
			P(a)	0	1	45,000	55,000
			A	0	0	12,000	12,000
2.6	Health centres with Tele-mentoring services implemented	Health Centres	P	0	10	93,750	741,874
			P(a)	0	10	113,676.14	741,874
			A	0	0	100,431	120,505
2.7	Electronic health record platform implemented	Platform	P	0	1	2,156,900	6,245,233
			P(a)	0	1	301,074	6,245,233
			A	0	0	158,575	191,344
2.8	Jamaica Health and Lifestyle Survey conducted	Survey report	P	0	1	0	580,000
			P(a)	0	1	0	580,000
			A	0	0	0	0

Other Cost

	Four wheel drive SUV	P			0	38,000
		P(a)			0	38,000
		A			0	37,166.32
	Project Impact evaluation	P			0	250,000
		P(a)			0	250,000
		A				0
	Project auditing	P			36,000	192,000
		P(a)			36,000	192,000
		A			18,646	18,646
	PEU project staff (Project manager, procurement specialist, financial specialist, civil engineer, IS4H lead, component 2 coordinator, procurement officer, project accountant, administrative officer, driver and others)	P			706,829	2,160,672
		P(a)			681,598	2,160,672
		A			571,565	871,348

Total Cost

	Total Cost	P			4,787,350	50,000,000
		P(a)			2,023,662.14	50,000,000
		A			1,979,960	2,472,924.32

CHANGES TO THE MATRIX

Section	Name	Type of Change	Subtype	Modified By	Entered in the System
Output	Electronic health record platform implemented	Modify Output	Modify Unit of Measure	RPEREZ	04/19/2021
	Health centres with Tele-mentoring services implemented	Modify Output	Modify Financial Historical Actual	RPEREZ	03/22/2021
	Hospital 1 (ST) with infrastructure upgrades completed	Modify Output	Modify Financial Historical Actual	RPEREZ	03/22/2021
	National Governance Structure to guide IS4H development formally established	Modify Output	Modify Financial Historical Actual	RPEREZ	03/22/2021

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IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Project Design
Project Management Capacity