



GOVERNMENT OF
BERMUDA

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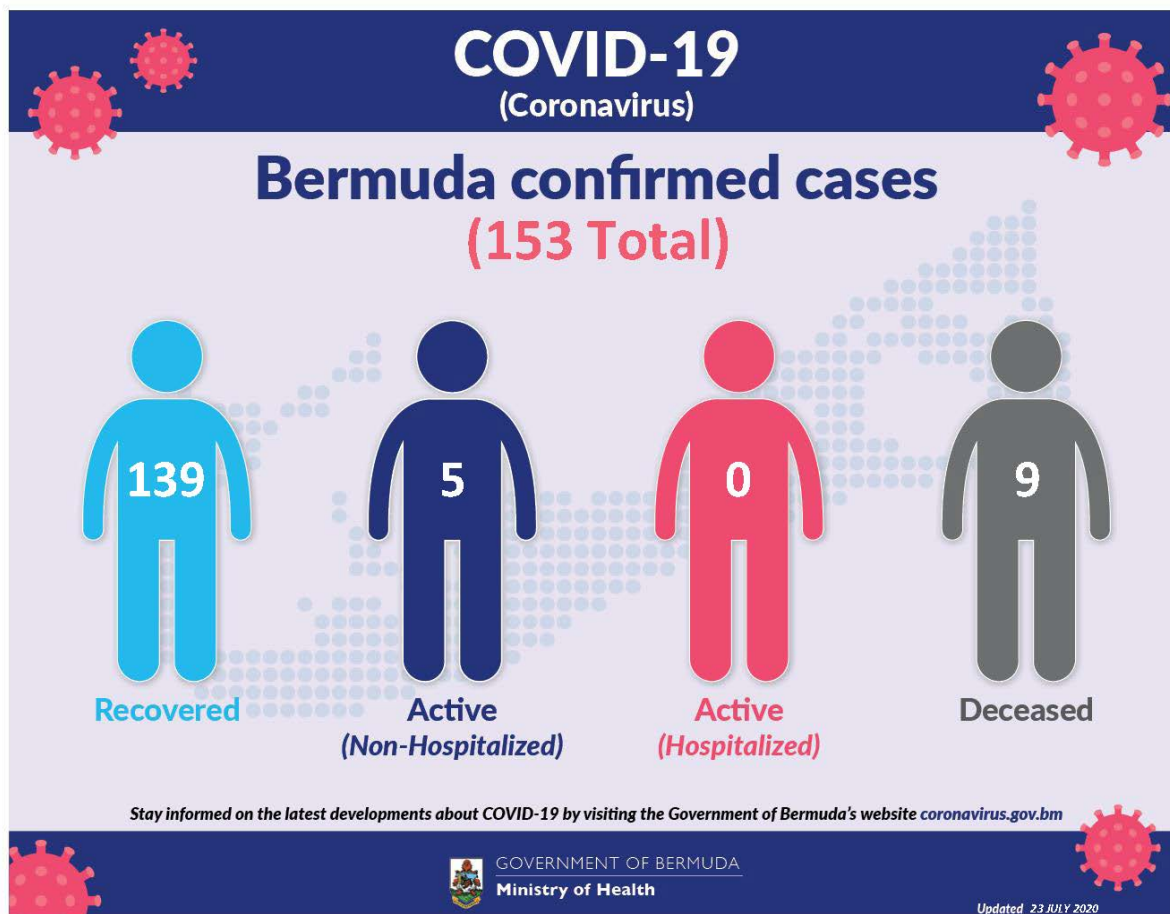
Coronavirus (COVID-19) update

The current World Health Organization risk assessment for novel coronavirus (COVID-19) is very high risk globally. It is advised that all countries prepare for the possibility of COVID-19 in their communities. Everyone has a role to play in getting ready and staying healthy by practicing everyday prevention measures like frequent hand washing, staying home when sick and covering coughs and sneezes. The World Health Organization has declared the current coronavirus situation as a pandemic. A pandemic is the increased and sustained transmission of a disease across many countries.

Surveillance for respiratory illness has been enhanced in collaboration with local public health partners. Persons with respiratory illness including fever and cough should call ahead and inform their health care provider of their travel history prior to attending for medical care.

This is a rapidly changing situation. Please regularly check this page for updates.

COVID-19 Dashboard 23 July, 2020 



Data as of 3:00 pm 23 July 2020

COVID-19 Testing	Total
Total	18320
Results negative	18167
Results positive	153
Transmission Status of Confirmed Cases	
Imported	49
Local Transmission [Known contact/source]	85
Local Transmission [Unknown contact/source]	19
Under Investigation	0
Status of Confirmed Cases	
Recovered	139
Active (non-hospitalized)	5

Active (hospitalized)	0
Deceased	9

Imported: Cases acquired outside of Bermuda.

Local transmission: Cases acquired within Bermuda

Under investigation: Type of transmission has not yet been determined. These cases are not imported and are likely the result of local transmission.

Recovered: Person has had no fever for at least 72 hours (3 days) without the use of fever-reducing medication, other symptoms have improved and at least 14 days have passed since onset of symptoms or testing date. Laboratory confirmation of at least one negative result may also be used as evidence of recovery.

Country status: Sporadic Cases

COVID-19 Reopening Indicators

Bermuda is monitoring critical indicators to see how we are doing in managing COVID-19 and assess our readiness to move to the next phase of our reopening plan. These indicators are updated on Mondays and Thursday.

As of 23rd July 2020:

Lead Measures

As of 23rd July 2020

"How Bermuda is doing; monitor bi-weekly to indicate likelihood of movement to the next phase"

Preventive Behaviours



Face mask wearing	
HealthIQ Reports on observation of mask wearing	
Physical Distancing	
HealthIQ Reports on observation of 3 – 6ft physical distancing	
Adoption of technology	
Number of people participating in Health IQ / other apps	

Capacity



Testing capacity	
In stock of all lab consumables, reagents and kits plus enabling resources: staff & PPE	
PPE supplies	
In stock of: surgical mask, N95 mask, gloves, gowns and face shields	

Lag Measures

"How Bermuda has done so far; to confirm at the end of each phase that it is safe to move to the next phase"

Transmission



WHO country classification	
WHO country classification	
Transmission	
Proportion of cases able to be linked to known cases or clusters	
Reproduction rate	
Real time reproduction number (average over last 7 days)	

Cases and hospitalizations



Hospitalizations	
New COVID-related hospitalizations	
Critical care	
New COVID cases in critical care	
COVID-19 cases	
Number of new cases	

Definitions

Lag measures:

6. Classification: WHO Country classification

- Green: Sporadic cases
- Amber: Local transmission
- Red: Community transmission

7. Transmission: Proportion of cases able to be linked to known cases or clusters

- <10% unknown transmission
- >20% unknown transmission

8. Reproduction rate: Real time reproduction number average over last 7 days

- $R_t < 1.0$
- $R_t > 1.4$

9. Hospitalizations: New COVID-related hospitalizations

- <7 over last 7 days
- >21 over last 7 days

10. Critical care: COVID-related ICU cases

- <4 concurrent per week
- >7 concurrent per week

- <12 over last 7 days
- >35 over last 7 days

The numbers generated through this model cannot be interpreted as predictions of what will occur during the current COVID-19 pandemic. Rather, they should be treated as estimates of what might happen, based on the assumptions used in generating these estimates and the modelling strategy used. The model aims to provide decision makers with potentially useful but heavily caveated information that will be refined as more information becomes available. The point of the model is not to predict the future, it's to influence it, help us prepare for it and choose a good course of action.

SUMMARY FOR MODELLING FOR BERMUDA

The numbers generated through this model cannot be interpreted as predictions of what will occur during the current COVID-19 pandemic. Rather, they provide the model as an indicator of what might happen, based on the assumptions of the modelling team, and the modelling strategy used. The model aims to provide decision makers with early warning that the assumptions being used for the model are not, or may not be, realistic. The model is not a forecast, and no information is provided outside the model. The purpose of the model is to provide the data to the relevant body to help us prepare for what could be a range of outcomes.

Public Health England has advised that the Bermudian Water Care Scenario is used as a planning tool. This provides a 'worst case' scenario for the modelling team, as it is the most conservative of the scenarios. It is recommended that a representative range of scenarios be used to provide a range of outcomes for each infection count of 2.0 per day for the Water Care Scenario.

Information for both the Water Care Scenario and a Better Care Scenario was generated using official records and modelling based on the data for the period of 14 days prior to the start of the pandemic. The results of COVID-19 on an open population and Public Health England has indicated that Bermuda would have severe cases for 14 days prior to the pandemic. The Better Care Scenario is estimated based on the combined impact of measures on public health and the population, including: face mask wearing, quarantine of contacts, school closures and social distancing measures. A population number of 1.0 was used for the model this scenario.

The modelling was done using a SEIR framework, including, exposed, infected, recovered model with numerous assumptions, including an immunity (SIR) framework. The assumptions made in the model are based on the best available evidence and the modelling team's best estimate of what is likely to happen. The model is not a forecast, and no information is provided outside the model. The purpose of the model is to provide the data to the relevant body to help us prepare for what could be a range of outcomes.

The comparison of the impact of COVID-19 at Water Care Scenario has been presented in the table below. The table shows the impact of the Water Care Scenario on the population of Bermuda, based on the assumptions of the modelling team, as of 1 September 2020.

Scenario/Parameter	Water Care	Better Care
Initial Population	24,000	24,000
Population	20,704	20,000
Population %	86%	83%
Population %	100%	100%

It is important to note that the model estimates on the timing of the peak are based on the change in the rate of infection and transmission, and the timing of the peak is not a forecast. The model is a planning tool, and the timing of the peak is not a forecast. The model is a planning tool, and the timing of the peak is not a forecast.

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COVID-19 (Coronavirus)

Bermuda Modelling: Infections per day

(Water Care Scenario vs Better Care Scenario)

Total Infections		Including population percentage	
Scenario	Total	Peak	Peak Date
Water Care	24,000	1,360	25 May 2020
Better Care	1,000	200	20 Sep 2020

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GOVERNMENT OF BERMUDA
Ministry of Health

COVID-19 Health Screening

Welcome to the Health Department's COVID-19 health screening registration form for the Bermuda Government Molecular Diagnostic Testing Laboratory at the old White's Supermarket at Southside. Please choose and register for a timeslot that suits you for your screening. Please ensure to bring your confirmation number with you for your screening. Instructions: Please remain in your car or on your bike, with a mask on and your windows up until directed. Your results will be communicated to you by your doctor.

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