



Epidemiological report of SARS-CoV-2 on the Dutch Caribbean CAS- and BES-islands:

Week 28 (July 6th - July 12th, 2021)

Produced by the National Institute for Public Health and the Environment of the Netherlands - RIVM
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For general information on surveillance of COVID-19 on the CAS-BES-islands, see the next page.

Summary

Between July 6th and July 12th, 2021, 90 people on the Caribbean islands received a positive SARS-CoV-2 test result: 22 in Aruba, 46 in Curaçao, 14 in Sint Maarten, and 8 on Bonaire. No active SARS-CoV-2 infections have been reported on Saba since May 11th, 2021.

In the past week, Aruba reported an incidence rate of 18 SARS-CoV-2 infections per 100,000 inhabitants, similar to a week earlier (18/100,000 on July 5th). There are currently 5 hospital admissions, 1 of which is in the COVID-IC. Two tourists are admitted to the COVID nursing ward. Genomic surveillance shows one new case of the deltavariant on the island in week 26 (12.5%). A few cases were already detected on the island in April 2021. The proportion remains virtually low among the number of samples sequenced. Local genomic surveillance using PCR technology shows a higher proportion of delta variant: 19% in week 25 and 32% in week 26. No additional measures are being taken for the time being.

On Bonaire, the number of SARS-CoV-2 infections remains low. Last week, 35 people per 100,000 inhabitants received a positive SARS-CoV-2 test result, a decrease from the incidence a week earlier (43/100,000 on July 5th). The positivity rate was 5.9% last week, almost the same as a week earlier (6.3%). The island reports an increase in the number of import cases from the Netherlands, all of these between 20-30 years old. The alpha variant is still dominant on the island (100% in week 26). Local genomic surveillance shows a higher proportion of delta variant: 19% in week 25 and 32% in week 26. No additional public health measures are being taken for the time being.

Curaçao reported an incidence rate of 28 SARS-CoV-2 infections per 100,000 inhabitants, an increase compared to a week earlier (10/100,000 on July 5th). This island also reports an increase in detected import cases, especially among travelers from Brazil, Cuba, the Netherlands, and the US Virgin Islands. The increase in the number of new infections in recent days is related to several clusters, including one in a nightlife club and one among travelers who tested positive on day 3 via an antigen test. There are currently 4 hospital admissions, all in the COVID nursing ward. Over a period of two months, the Gamma (P.1) variant has become more dominant: From 2% (week 16) to 43% of the submitted samples in week 24.

In the past week, Dutch St Maarten reported an incidence rate of 23 people per 100,000 inhabitants equal to a week earlier (23/100,000 on 5 July). There are currently 4 hospital admissions, 2 of which are in the COVID-IC on a ventilator. Surveillance shows high circulation of the alphavariant on the island (83% week 25). There also seems to be local transmission of the deltavariant (17% week 25). One of the detected delta cases concerns an unvaccinated resident with no travel history who works in a large hotel. Two of the cases involve tourists from the US, both fully vaccinated with Pfizer, one of whom stayed at this hotel. Two other cases concern cruise employees. There is currently one active cluster in a local care home.

Since January 28th, 2021, no new persons with a positive SARS-CoV-2 result have been reported on St. Eustatius. On July 4th, 2021, a nearby oil ship on route from Suriname reported that 4 crew members had been quarantined on board due to COVID-19 symptoms. Eleven of the 18 crew members tested positive for SARS-CoV-2. The reports were subsequently registered as Surinamese SARS-CoV-2 cases.

Information on surveillance of COVID-19 on the CAS- and BES-islands

The Caribbean part of the Kingdom of the Netherlands entails the countries Curaçao, Aruba, and Dutch St Maarten (CAS-islands), as well as the overseas municipalities Bonaire, St Eustatius, and Saba (BES-islands). Surveillance data of SARS-CoV-2 cases is collected on each island in collaboration with local medical professionals, laboratories, and public health departments. These surveillance data are shared by the CAS- and BES-islands through daily updates and stored in the SARS-CoV-2 IHR Daily Overview Dutch Caribbean; an overview of the spread of SARS-CoV-2 on the CAS- and BES-islands.

This report has been generated using surveillance data registered at the RIVM between March 22nd 2020 and 12 July 2021. Sometimes surveillance data is reported to the RIVM one or multiple days later than documented on the islands. The data presented in this report are based on the date of registration at the RIVM. Because islands retrospectively correct surveillance data, the crude estimates in this report may differ slightly from the data shared by each island. The data reported here may lag behind in case more recent data has not yet been reported to the RIVM by respective islands.

Everyone with symptoms of COVID-19 can get tested. However, it is plausible that not all individuals with a SARS-CoV-2 infection are tested. The actual numbers of cases can therefore be higher than the numbers reported here. The CAS- and BES-islands also register when individuals with a positive SARS-CoV-2 test result have recovered. These data are used to report the current number of active cases in Table 3. The number of active cases refers to the number of individuals who tested positive for SARS-CoV-2 and who have not yet recovered at the time of producing this report.

Disclaimer

Though this weekly report has been produced with the utmost care, it could possibly contain errors. Feedback on this overview is welcome.

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1 Overview of reported SARS-CoV-2 cases on the CAS- and BES-islands

Table 1: Number of laboratory confirmed cases with a positive test result for SARS-CoV-2 over the past 2 weeks, as reported to the RIVM by the CAS- and BES-islands

Island	Date: from-until	Number of performed tests	Number of laboratory confirmed tests with positive test result	Positivity rate %
Aruba ¹	28-06-2021 - 04-07-2021	2102	18	0.9
	05-07-2021 - 11-07-2021	181	28	15.5
Bonaire	28-06-2021 - 04-07-2021	169	10	5.9
	05-07-2021 - 11-07-2021	144	9	6.3
Curaçao ²	28-06-2021 - 04-07-2021	8756	19	0.2
	05-07-2021 - 11-07-2021	10922	40	0.4
Saba ³	28-06-2021 - 04-07-2021	-	0	-
	05-07-2021 - 11-07-2021	-	0	-
Sint Eustatius	28-06-2021 - 04-07-2021	127	0	0
	05-07-2021 - 11-07-2021	156	0	0
Sint Maarten ⁴	28-06-2021 - 04-07-2021	-	-	-
	05-07-2021 - 11-07-2021	1731	18	1

¹ This estimate concerns a crude positivity rate for Aruba. The Directie Volksgezondheid Aruba reports a corrected positivity rate through: <https://www.facebook.com/desaruba>.

² The Public Health Department on Curaçao estimates a corrected positivity rate. Therefore, estimates presented here may differ from positivity rates reported by Curaçao.

³ A '-' value indicates insufficient data was reported to the RIVM to report in this table.

⁴ The positivity rate for Dutch St Maarten has been estimated using data of the PCR tests analyzed only. Therefore, estimates presented here may differ from positivity rates reported by Dutch St Maarten (SLS), as those include data of rapid antigen tests as well.

Table 2: Number of laboratory confirmed cases with a positive SARS-CoV-2 test result, number of hospital admissions¹ and number of deceased cases, cumulative and for the previous week, on the CAS- and BES-islands, as reported to RIVM

Island	Cumulative			Previous week ²	
	Number of cases	Hospital admissions	Deceased	Number of cases	Deceased
Aruba	11177	605	107	22	0
Bonaire	1634	66	17	8	0
Curaçao	12395	555	126	46	0
Saba	7	1	0	0	0
Sint Eustatius	20	0	0	0	0
Sint Maarten	2641	178	34	14	1
Total	27874	1405	284	90	1

¹ The number of hospital admissions cannot be displayed for the previous week due to a delay in reporting these data. The current number of persons hospitalized due to or with COVID-19 is reported in Table 3.

² These have been reported to the RIVM between July 6th and July 12th, 2021.

Table 3: Current number of active SARS-CoV-2 cases and status of COVID-19 hospital occupancy on the CAS- and BES-islands, as reported to RIVM^{1,2}

Island	Number of active cases	Number of persons with COVID-19 on general hospital ward	Number of persons with COVID-19 hospitalized in the ICU
Aruba	35	4	1
Bonaire	8	0	0
Curaçao	48	4	0
Saba	0	0	0
Sint Eustatius	0	0	0
Sint Maarten	19	2	2
Total	110	10	3

¹ These have been reported to the RIVM between July 6th and July 12th, 2021.

² The number of active cases is defined as the number of COVID-19 infected persons who have not been confirmed to have recovered from COVID-19 infection at the time of reporting these data to RIVM. These data may lag behind when islands have limited public health capacity to confirm recovery among infected cases.

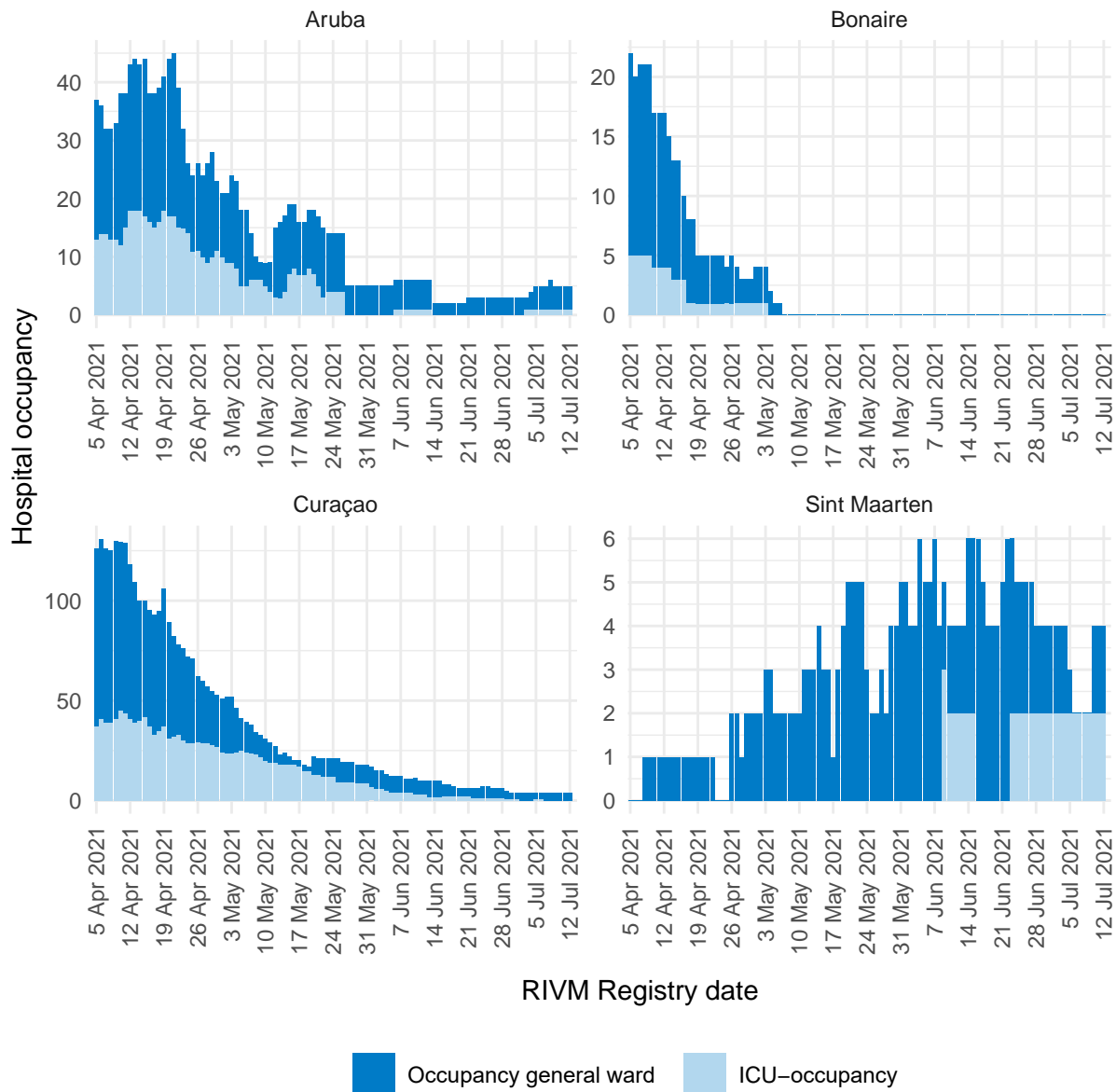


Figure 1: Progression of COVID-related hospital occupation over time ^{1,2,3,4,5}

¹ This figure presents the number of reported persons who have tested positive for SARS-CoV-2 during or before admission on the general hospital ward and/or ICU.

² The light blue data represent the ICU-occupation over time, per island. The dark blue data represent the occupation of the general hospital ward over time, per island.

³ Due to the low number of hospitalised patients on Saba en St Eustatius, these islands have not been included in this graph.

⁴ Based on the most recent data registered for Bonaire, the admission status is unknown for 234 persons who have tested positive for SARS-CoV-2 since January 1st, 2021. These cases have not been included in this graph.

⁵ The reported data has been presented by the date of reporting to the RIVM. These numbers can lag behind when the most recent data has not yet been reported to the RIVM.

Table 4: SARS-CoV-2 incidence rate per 100,000 residents on the CAS- and BES-islands¹, as reported to RIVM

Island	Incidence per 100,000 residents	
	Previous week ²	Previous two weeks ³
Aruba	13	34
Bonaire	35	60
Curaçao	27	34
Saba	0	0
Sint Eustatius	0	0
Sint Maarten	18	43

¹ The calculated incidence rates include the estimated number of undocumented migrants on each island, see Table 5.

² The incidence rate per 100,000 persons, for the previous week, has been calculated from 6 July 2021 until 12 July 2021.

³ The incidence rate per 100,000 residents, for the previous two weeks, has been calculated from 29 June 2021 until 12 July 2021.

Table 5: Number of residents and acreage of the CAS- and BES-islands¹

Island	Capital city	Residents	Acreage	Political status
Aruba	Oranjestad	125.282	180 km ²	Country within the Kingdom of The Netherlands
Bonaire	Kralendijk	23.173	288 km ²	Dutch municipality
Curaçao	Willemstad	164.223	444 km ²	Country within the Kingdom of The Netherlands
Saba	The Bottom	1.918	13 km ²	Dutch municipality
Sint Maarten	Philipsburg	62.323	34 km ²	Country within the Kingdom of The Netherlands
Sint Eustatius	Oranjestad	3.142	21 km ²	Dutch municipality

¹ These numbers refer to the 2021 population sizes. Each island counts a substantial population of undocumented migrants. The reported incidence rates include the estimated population of undocumented migrants. On Aruba, Curaçao, and Dutch St Maarten the population size is estimated to be between 8,000 and 20,000 migrants in 2021. On Bonaire the population size is estimated around 1,400 migrants. These data are relevant to include as these populations are difficult to reach for local public health services and often have less access to curative care.

2 SARS-CoV-2 progression over time

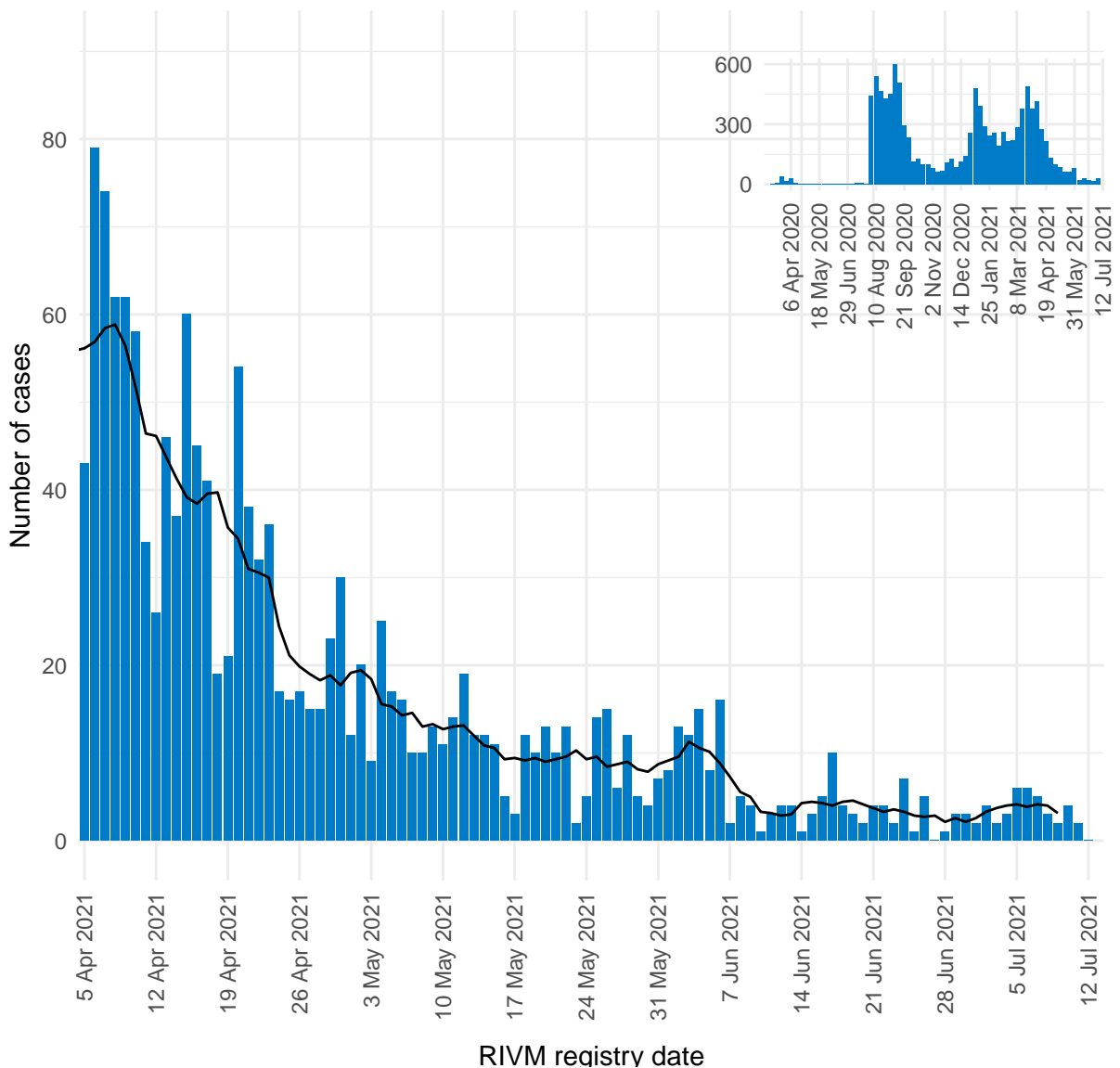


Figure 2: Number of daily reported SARS-CoV-2 cases on Aruba, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

² The reported data has been presented by the date of reporting to the RIVM. These numbers can lag behind when the most recent data has not yet been reported to the RIVM.

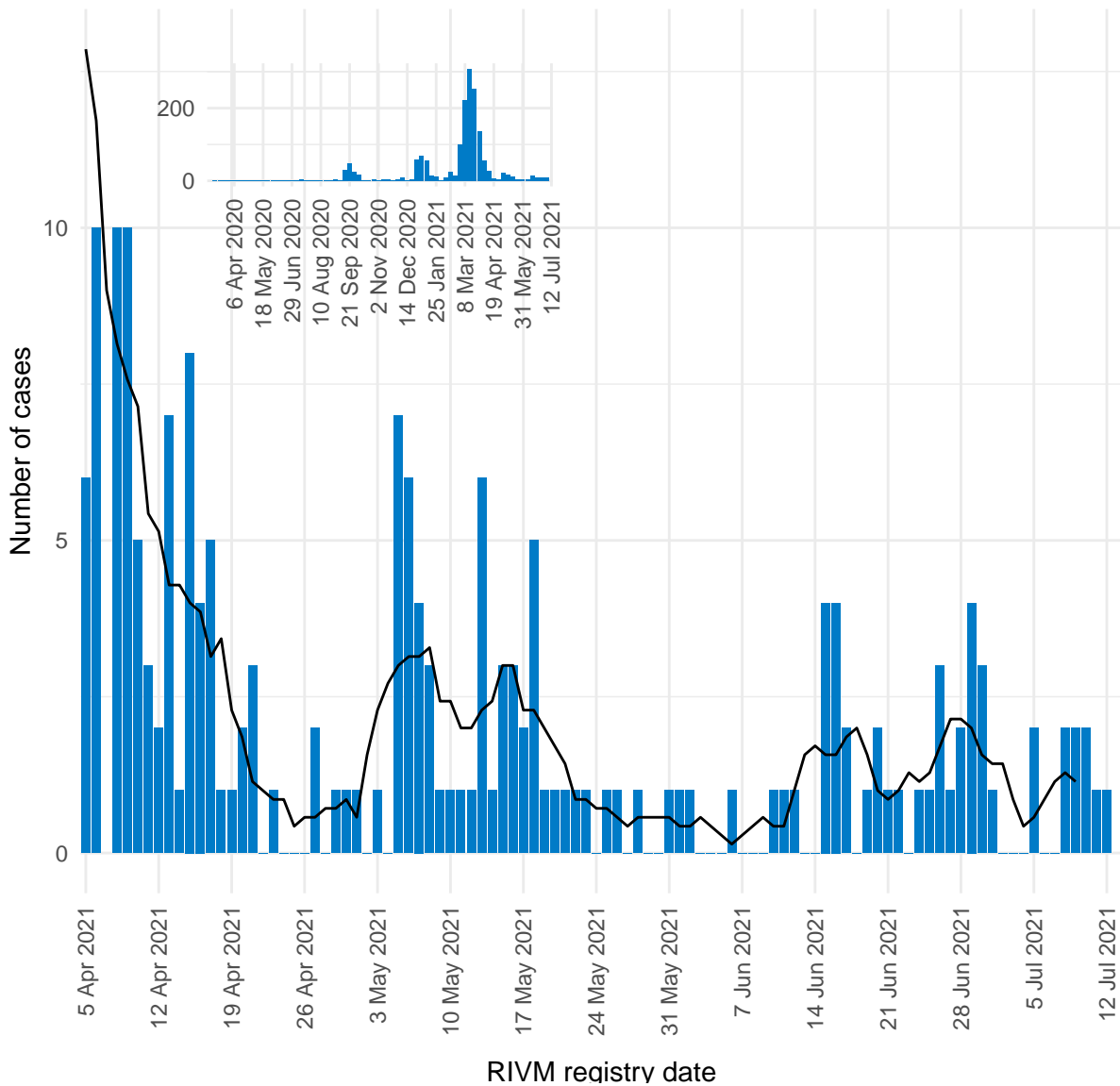


Figure 3: Number of daily reported SARS-CoV-2 cases on Bonaire, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

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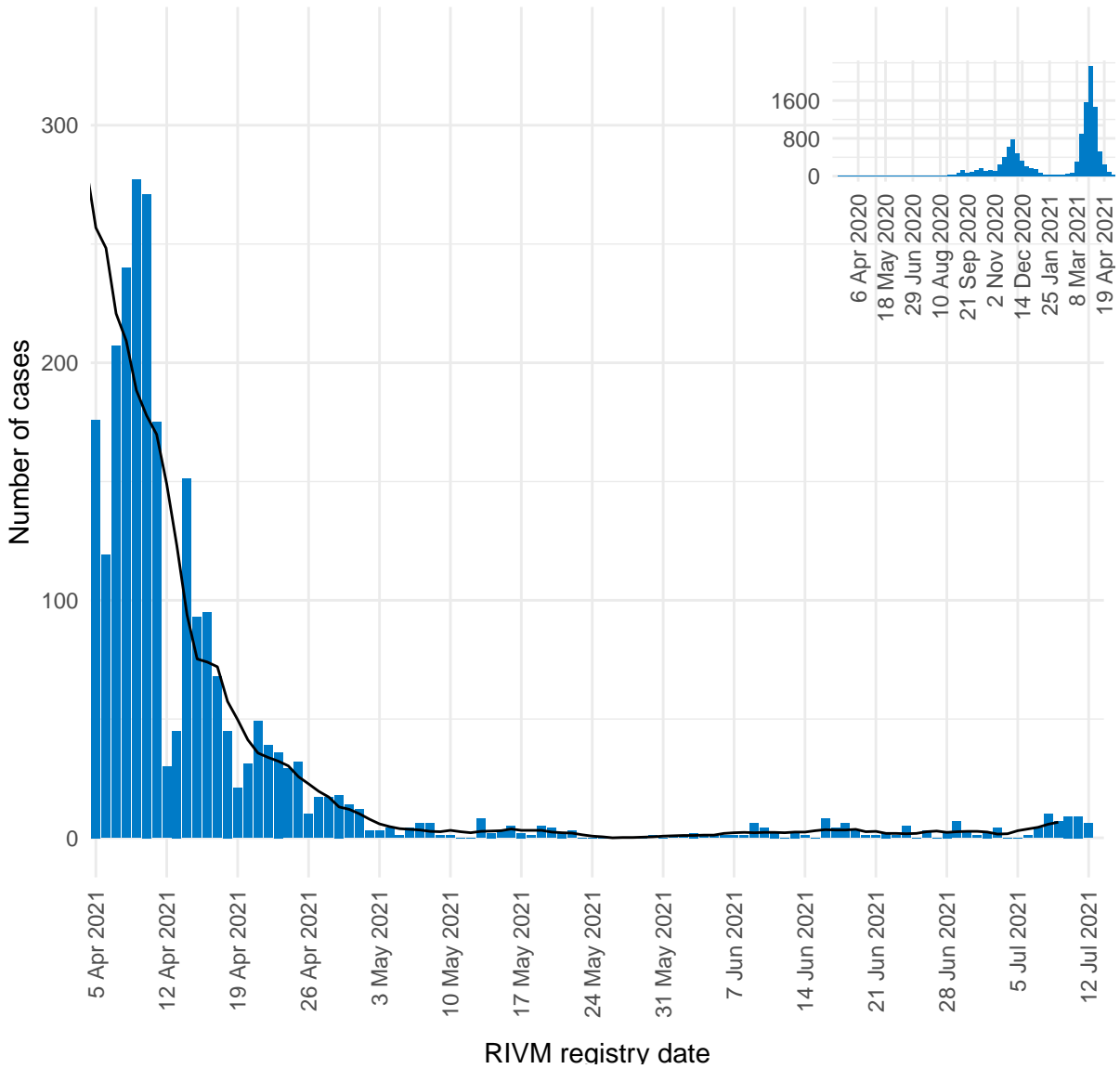


Figure 4: Number of daily reported SARS-CoV-2 cases on Curaçao, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

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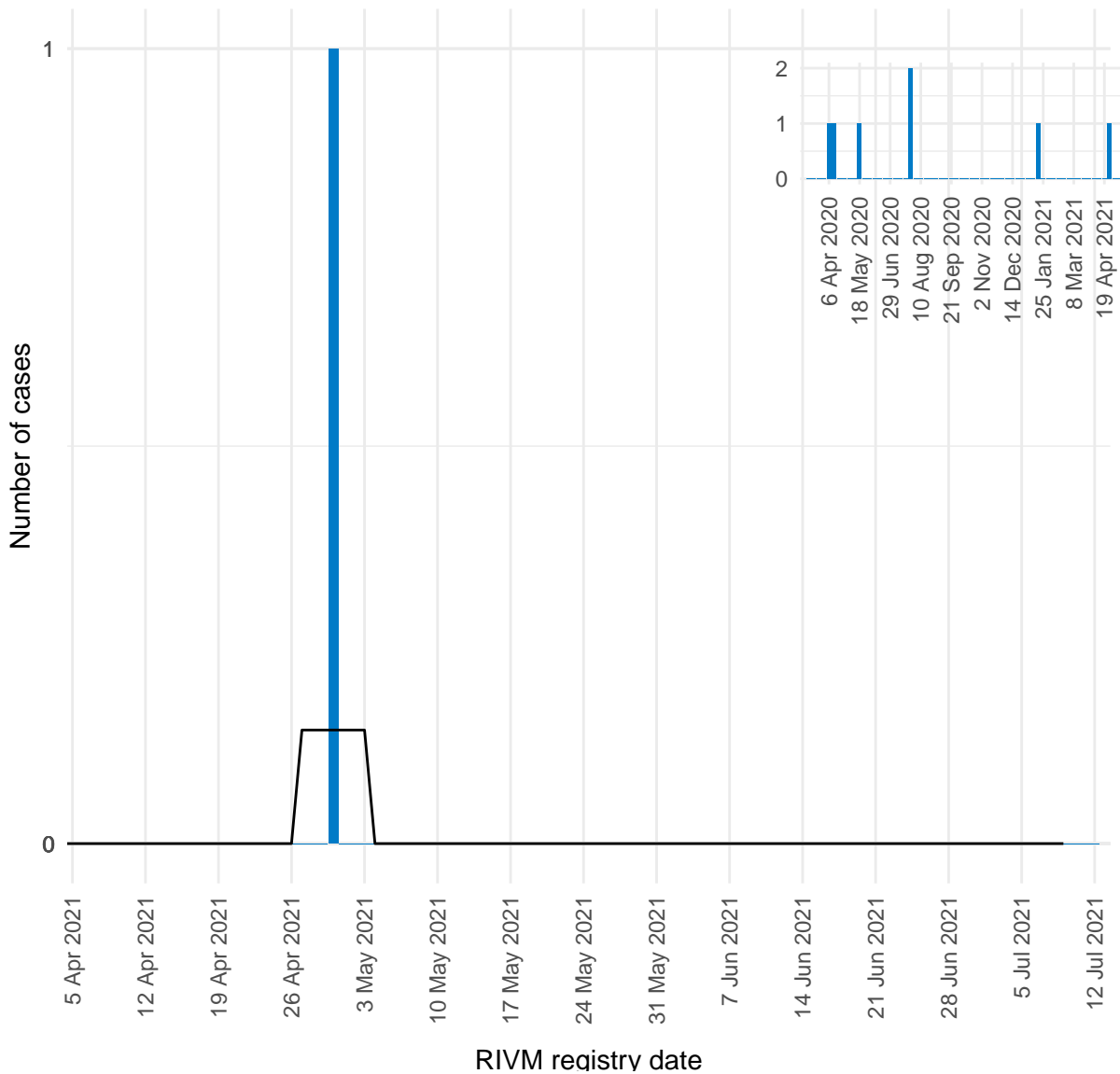


Figure 5: Number of daily reported SARS-CoV-2 cases on Saba, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

² The reported data has been presented by the date of reporting to the RIVM. These numbers can lag behind when the most recent data has not yet been reported to the RIVM.

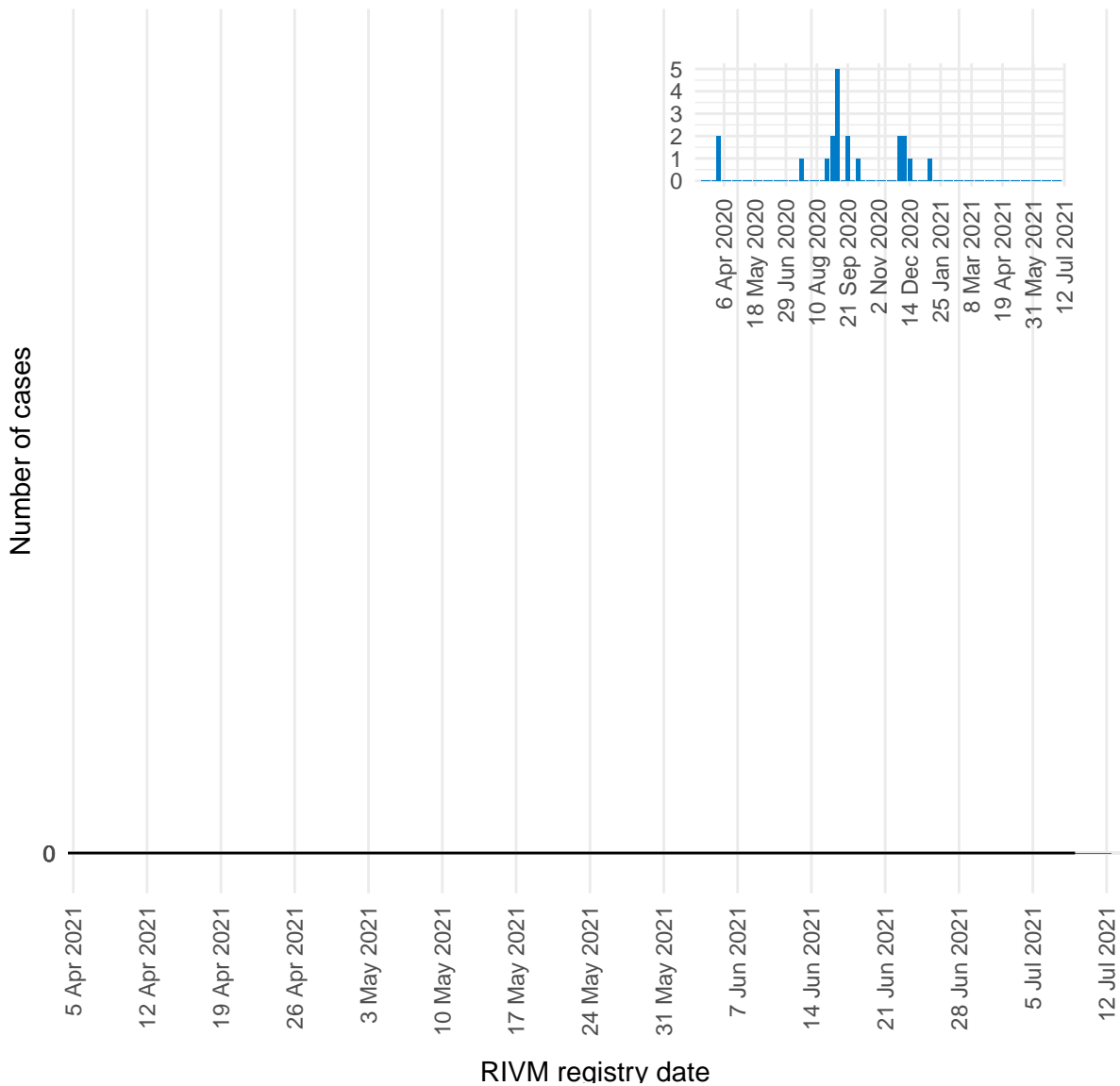


Figure 6: Number of daily reported SARS-CoV-2 cases on St Eustatius, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

² The reported data has been presented by the date of reporting to the RIVM. These numbers can lag behind when the most recent data has not yet been reported to the RIVM.

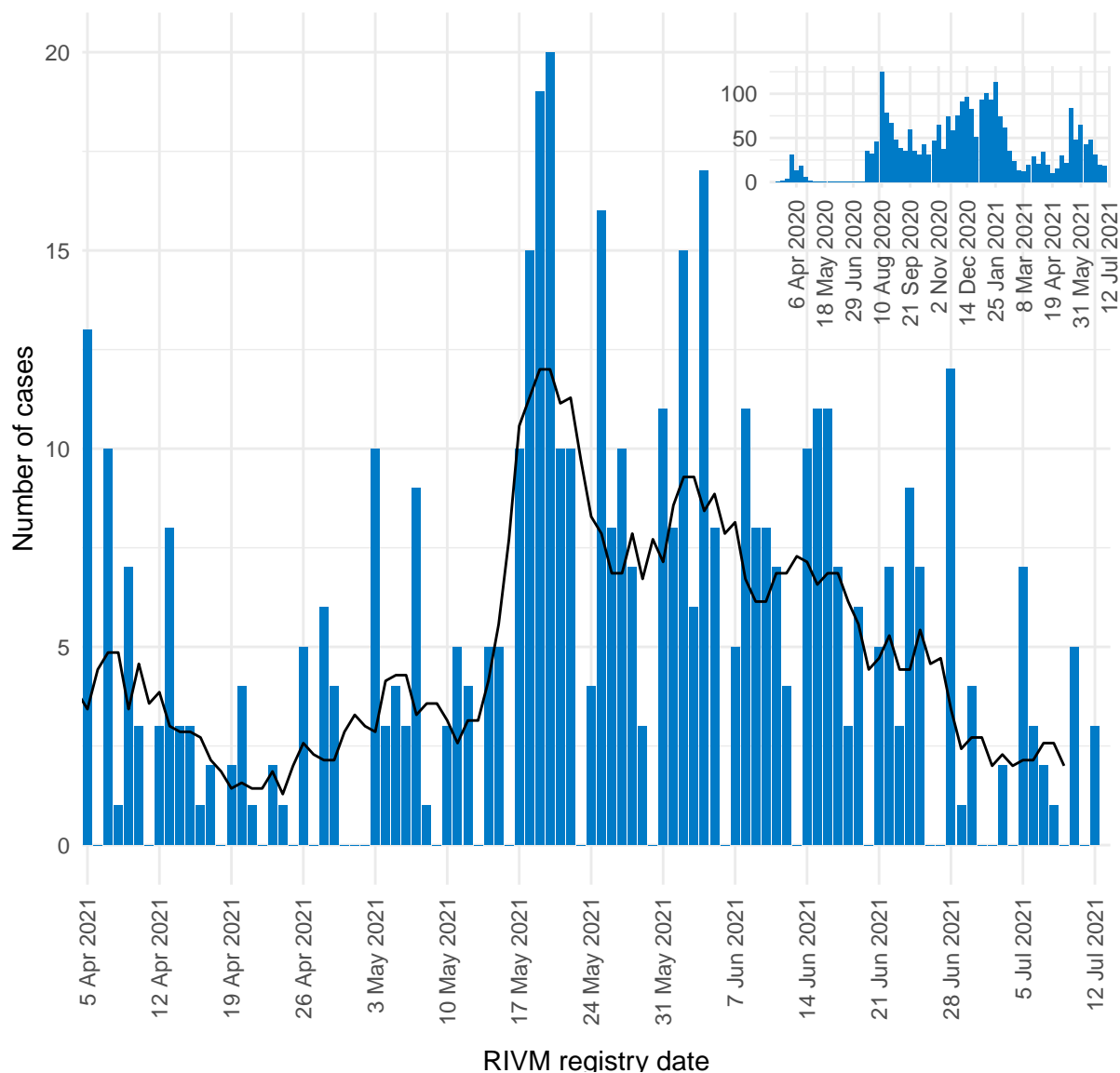


Figure 7: Number of daily reported SARS-CoV-2 cases on Dutch St Maarten, presented by RIVM registry date^{1,2}.

¹ This figure displays the daily number of new SARS-CoV-2 by date of reporting to the RIVM. The black line represents the 7-day moving average of new infections. The vertical axes of figures 1-6 differ due to dissimilarities in the quantity of cases between the islands.

² The reported data has been presented by the date of reporting to the RIVM. These numbers can lag behind when the most recent data has not yet been reported to the RIVM.

3 SARS-CoV-2 three week average incidence rate, progression over time

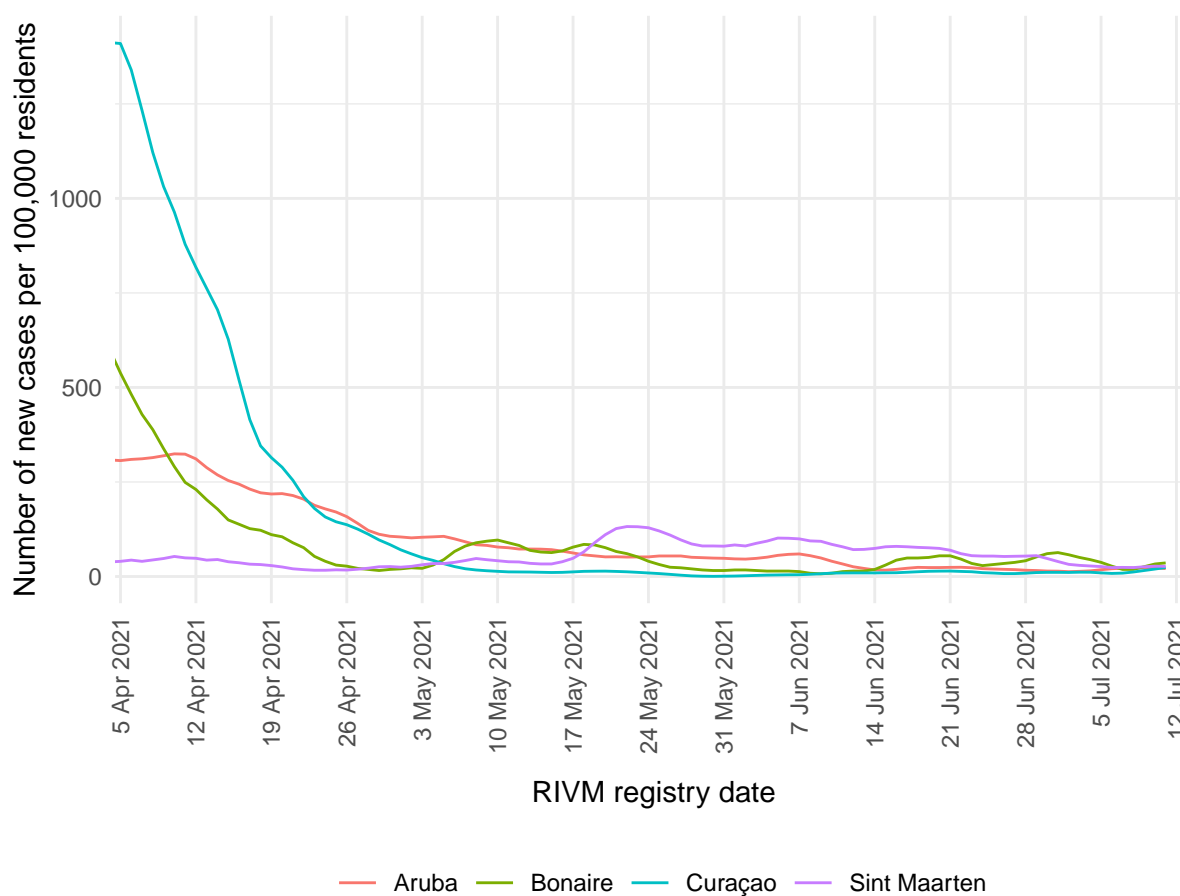


Figure 8: Three week average number of reported cases per 100,000 residents by RIVM registry date, on Curaçao, Aruba, Dutch St Maarten, and Bonaire^{1,2}.

¹ This figure displays the 3-week average incidence rate per island per 100,000 residents, including the population of undocumented migrants on each island. Each line on the vertical axis indicates a weekly average of the incidence rate (defined as the number of new cases per 100,000 persons per week, over the total population) over a period of three weeks. For example: the reported value on January 4th 2021, is the weekly average of the incidence rate between December 28th, 2020 and January 11th, 2021.

² Due to the small number of reported cases on Saba and St Eustatius, these islands have not been included in this figure.

4 Number of COVID-19 vaccine doses administered on the CAS-BES islands

Table 6: Number of first and second doses of COVID-19 vaccine administered until 12 July 2021¹.

	Aruba	Bonaire	Curaçao	Saba	Sint Eustatius	Sint Maarten ²
Number of persons who have received their first dosis (aged 12+ years)	66653	15271	90085	1453	1299	23498
Number of persons who have received their first and second dosis (aged 12+ years)	59772	12774	79889	1414	1183	19097
Number of fully vaccinated persons (aged 12+ years) ³	60856	12774	80971	1414	1183	19097
Number of high risk persons (aged 18-59 years) who have received their first dosis ^{4,5}	3741	-	8963	-	-	2854
Number of fully vaccinated high risk persons (aged 18-59 years) ⁵	3466	-	8075	-	-	2689

¹ The vaccination coverage data presented here is reported by the islands to VWS on a weekly basis. These data may lag behind from the vaccination coverage data presented by the island officials.

² These data refer to the numbers of vaccinated persons on the Dutch side of St Maarten. Vaccination coverage on the French side of St Martin is reported by Santé Publique France on a weekly basis.

³ The number of fully vaccinated persons is defined as the number of completed vaccinations. This also includes persons who only require one dose of vaccine to be considered as fully vaccinated, due to having a history of SARS-CoV-2 infection. Both Aruba and Curaçao are reporting these data separately from the number of persons who have received two doses of vaccine. Dutch St Maarten and the BES-islands are currently not reporting these data. The number of completed vaccinations on those islands may therefore be an underestimation.

⁴ For the BES islands, no information was collected about high- and low-risk groups, because all residents within this age group could register for a vaccination at the same time.

⁵ Vaccination data for persons aged 60+ cannot be displayed here because these data are not reported to RIVM.

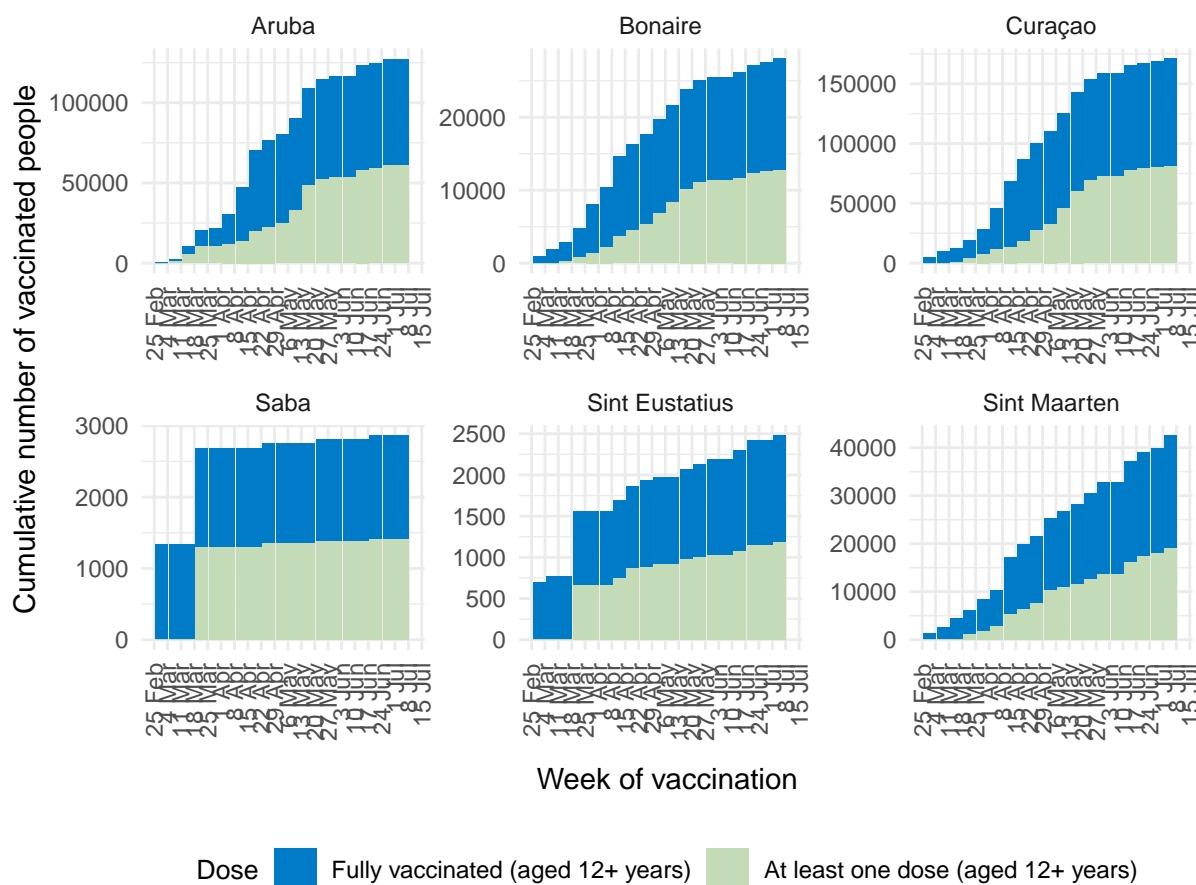


Figure 9: Number of first and second doses of COVID-19 vaccine administered, cumulative by vaccination date, until 12 July 2021^{1,2,3}.

¹ The vaccination coverage data presented here is reported by the islands to VWS on a weekly basis. These data may lag behind from the vaccination coverage data presented by the island officials.

² These data refer to the numbers of vaccinated persons on the Dutch side of St Maarten. Vaccination coverage on the French side of St Martin is reported by Santé Publique France on a weekly basis.

³ The number of fully vaccinated persons is defined as the number of completed vaccinations. This also includes persons who only require one dose of vaccine to be considered as fully vaccinated, due to having a history of SARS-CoV-2 infection. Both Aruba and Curaçao are reporting these data separately from the number of persons who have received two doses of vaccine. Dutch St Maarten and the BES-islands are currently not reporting these data. The number of completed vaccinations on those islands may therefore be an underestimation.

5 Vaccination coverage on the CAS-BES islands

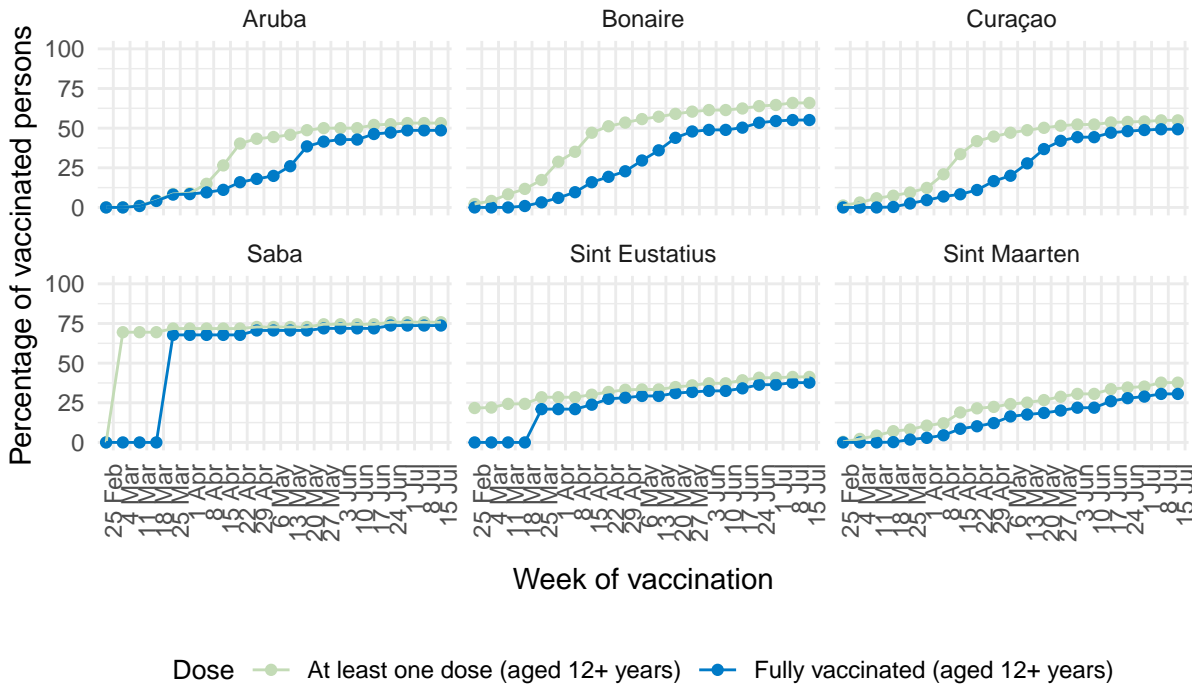


Figure 10: Percentage of residents aged 12 years or older who have received at least one vaccination dose and the percentage of residents aged 12 or older who have been fully vaccinated according to the current vaccination schedule of the vaccines used¹⁻⁴.

¹ The vaccination coverage data presented here is reported by the islands to VWS on a weekly basis. These data may lag behind from the vaccination coverage data presented by the island officials.

² These data refer to the numbers of vaccinated persons on the Dutch side of St Maarten. Vaccination coverage on the French side of St Martin is reported by Santé Publique France on a weekly basis.

³ The vaccination coverage is defined as: Persons aged 12+ who have received at least one dose. A one-dose schedule is sufficient for persons who have indicated that they have demonstrably experienced COVID-19 in the past six months. They are included in the 'fully vaccinated' percentages presented in this figure. These numbers are reported separately per week 21 by Curaçao and week 22 by Aruba.

⁴ The number of fully vaccinated persons is defined as the number of completed vaccinations. This also includes persons who only require one dose of vaccine to be considered as fully vaccinated, due to having a history of SARS-CoV-2 infection. Both Aruba and Curaçao are reporting these data separately from the number of persons who have received two doses of vaccine. Dutch St Maarten and the BES-islands are currently not reporting these data. The number of completed vaccinations on those islands may therefore be an underestimation.