







Photo Credit: WCO, Syria

In this issue of Syria COVID-19 Morbidity and Mortality Summary (SMMS) N° 03:

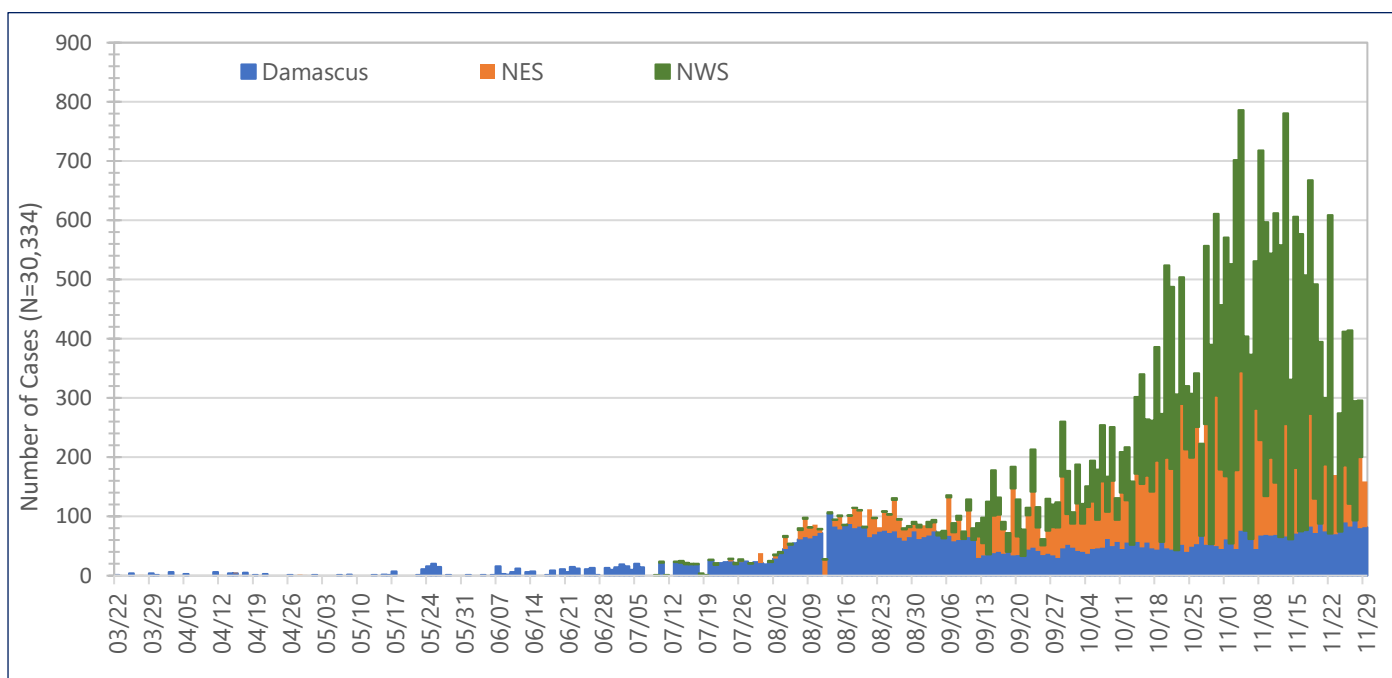
- ✓ *dashboard with key figures for Whole of Syria.*
- ✓ *detailed epidemiological update on COVID-19 outbreak in Syria.*
- ✓ *daily and weekly distribution of COVID-19 cases and related deaths.*
- ✓ *daily distribution of COVID-19 cases and rolling seven-day average per Province.*
- ✓ *gender and age distribution of COVID-19 deaths by Province.*
- ✓ *overall and cumulative weekly attack rate and rates per governorate.*
- ✓ *number of COVID-19 testing laboratories and number of daily tested per 100,000.*
- ✓ *geographical distribution of COVID-19 attack rate (AR) per Province.*

Whole of Syria	Tested	Confirmed	Recovered	Dead
				
TOTAL	111,664	30,334	11,601	759
Syria	41,693	7,797	3,500	413
NES	16,391	7,022	1,033	195
NWS	53,580	15,515	7,068	151
	Test/100,000	AR/100,000	Recovery Rate %	CFR%
	547.5	148,7	38.2%	2.50
	COVID-19 Hospitals	Isolation Beds	ICU Beds	Ventilators
TOTAL	34	2,279	393	377
Syria	21	828	176	155
NES	4	683	34	75
NWS	9	770	183	147

1. Surveillance and Laboratory

Between 23 March and 29 November 2020, there were thirty-thousand-three-hundred-thirty-four (**30,334**) COVID-19 cases¹ confirmed by rt-PCR. Out of the total number of cases, **51.1%** (15,515/30,334) were reported from North West Syria (NWS), **25.7%** (7,707) from Damascus, and the remaining **23.2%** (7,022) - from North East Syria (NES). During the same reporting period, a total of seven-hundred-fifty-nine (**759**) related deaths were reported (out of them **54.4%** (413/759) from **Syria**, **25.7%** (195) from **NWS**, and **19.9%** (151) from **NES** and 19.9%) with the overall Case Fatality Ratio (**CFR**)² **2.5%**.

The figure below is showing the daily distribution of reported confirmed COVID-19 cases per province, 23 March – 29 November 2020, whole of Syria.



The following table is showing the reported number of cases, deaths, testing rate, positivity rate, attack rate and case fatality rate per province, 23 March – 29 November 2020, Syria.

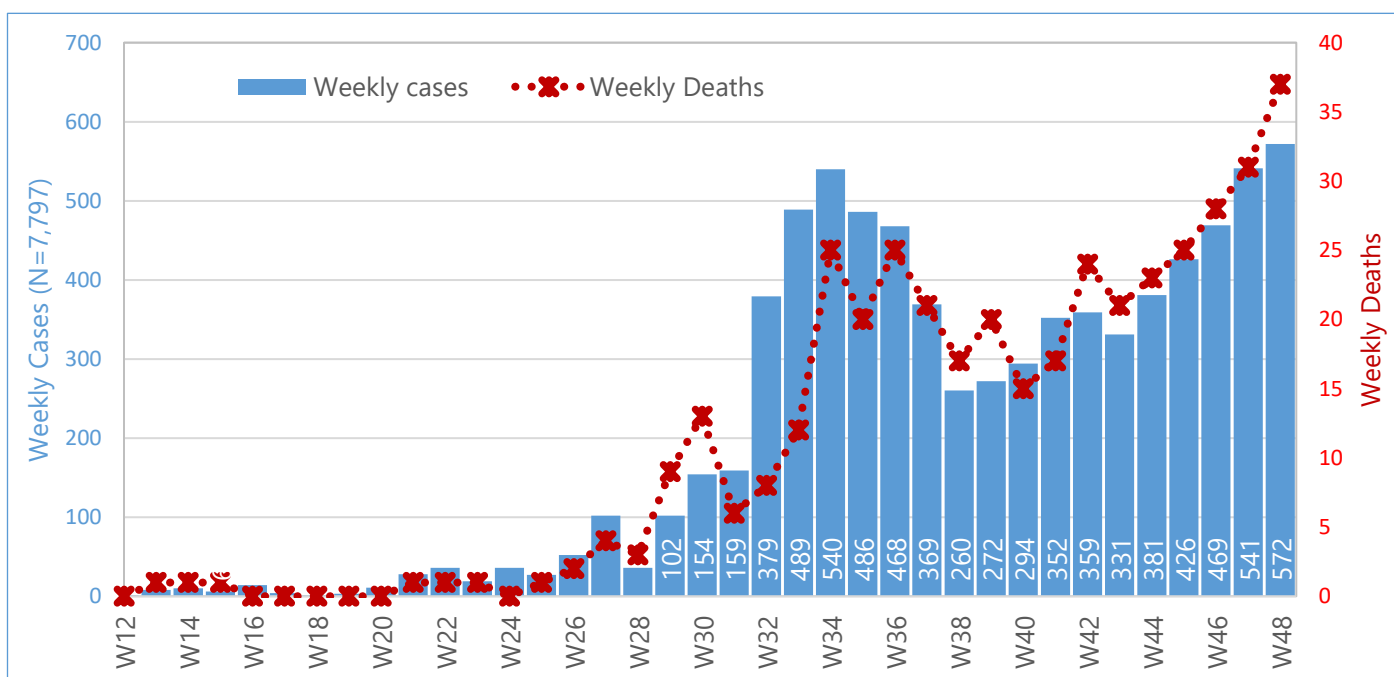
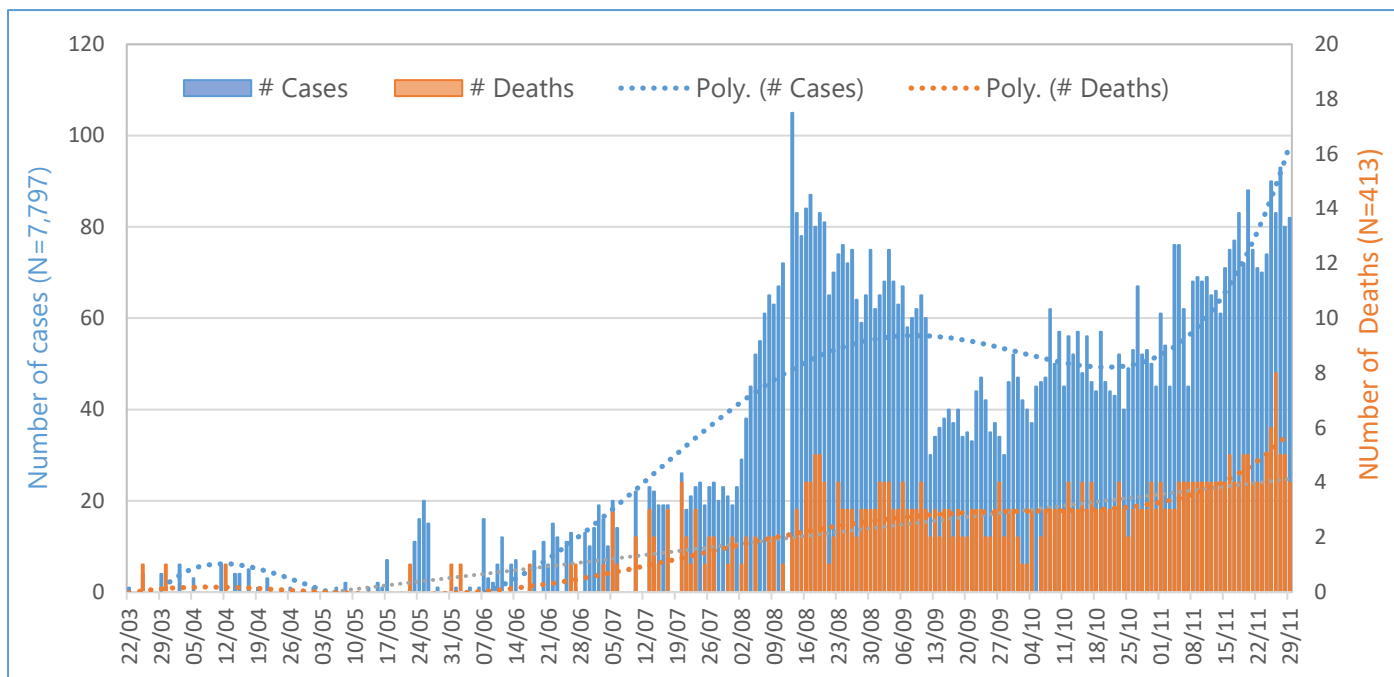
Province	# Test	Test/100,000	Positive	Positivity Rate	Attack Rate	# Deaths	CFR
Damascus	12,966	706	1,777	13.71%	96.8	134	7.54%
R. Damascus	5,220	165	879	16.84%	27.8	18	2.05%
Homs	2,563	177	1220	47.60%	84.1	104	8.52%
As-Sweida	756	199	399	52.78%	105.2	24	6.02%
Al-Hasakeh	10,559	996	4,355	41.24%	410.7	155	3.56%
Dar'a	2,060	203	400	19.42%	39.4	13	3.25%
Lattakia	10,220	861	783	7.66%	66.0	27	3.45%
Aleppo	34,425	875	9,350	27.16%	237.7	157	1.68%
Ar-Raqqa	3,146	455	1445	45.93%	209.2	3	0.21%
Deir-ez-Zor	503	68	150	29.82%	20.2	5	3.33%
Hama	1,274	95	354	27.79%	26.4	21	5.93%
Quneitra	1,017	985	107	10.52%	103.6	4	3.74%
Tartous	924	102	391	42.32%	43.1	14	3.58%
Idleb	26,031	1006	8,724	33.51%	337.0	80	0.92%
TOTAL	111,664	548	30,334	27.17%	148.7	759	2.5%

¹ WHO Syria COVID-19 SMMSs present official counts of confirmed COVID-19 as announced by the MOH on the indicated date. Difference in data between the WHO reports and other sources can result from using different cutoff times for the aggregation and reporting of the total number of new cases in the country.

² CFR is not same as Infection fatality ratio (IFR) which is the proportion of individuals diagnosed with a disease who die from that disease and is therefore a measure of severity among detected cases, Estimating mortality from COVID-19, WHO scientific brief, 4 August 2020. <https://www.who.int/publications/i/item/WHO-2019-nCoV-Sci-Brief-Mortality-2020>.

Between 23 March and 29 November 2020, according to the Ministry of Health (MOH) there were seven-thousand-nine-hundred-ninety-seven (7,797) COVID-19 cases confirmed by rt-PCR, including four-hundred-thirteen (413) related deaths. Case Fatality Ratio (CFR)³ is 5.3%. In the reported week (epidemiological week 48), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases increased by 5.7% (572 and 541 respectively) and the weekly death cases increased by 19.73% (37 and 31 respectively).

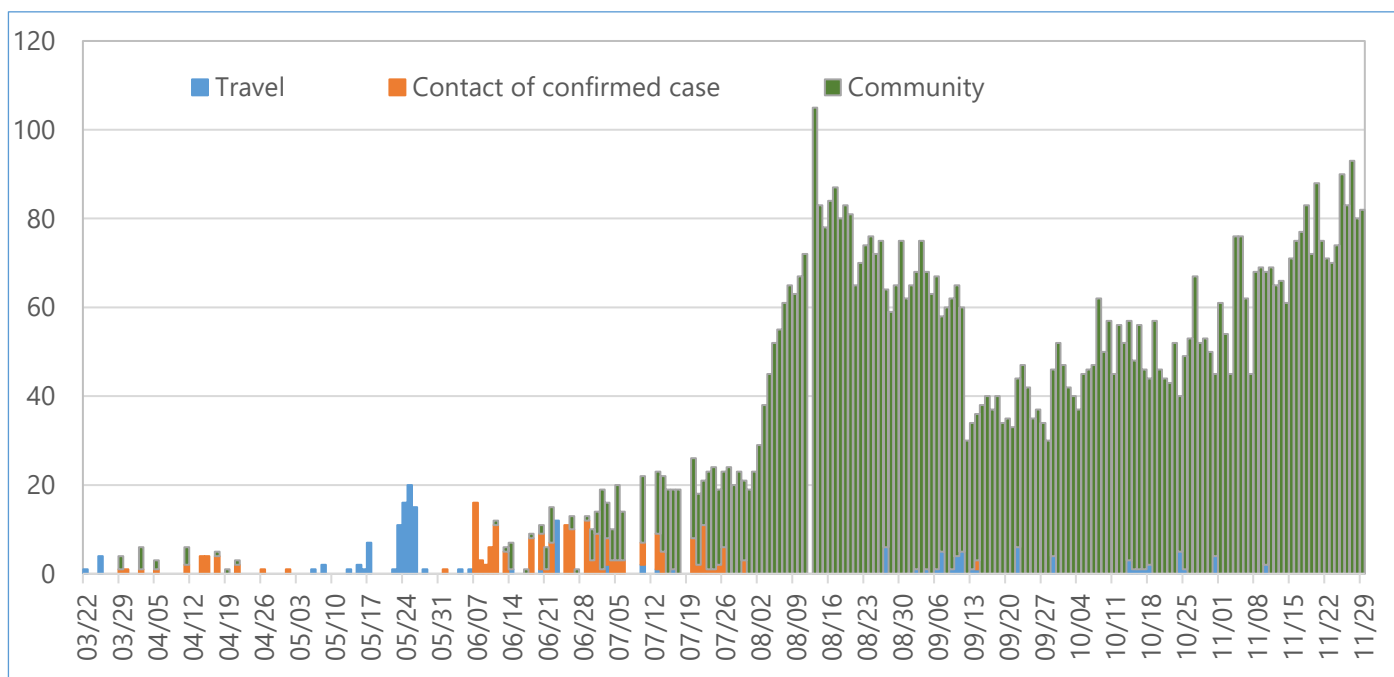
The figures below are showing the daily and weekly distribution of reported confirmed COVID-19 cases and deaths, 23 March – 29 November 2020, Syria



As of 29 November 2020, mode of transmission of confirmed reported COVID-19 cases was available on 100% of cases (6,215/6,215). Of all cases, 95.2% (7,412) were community transmission, 2.8% (223) reported contact of a confirmed case and 02.0% (162) were imported cases.

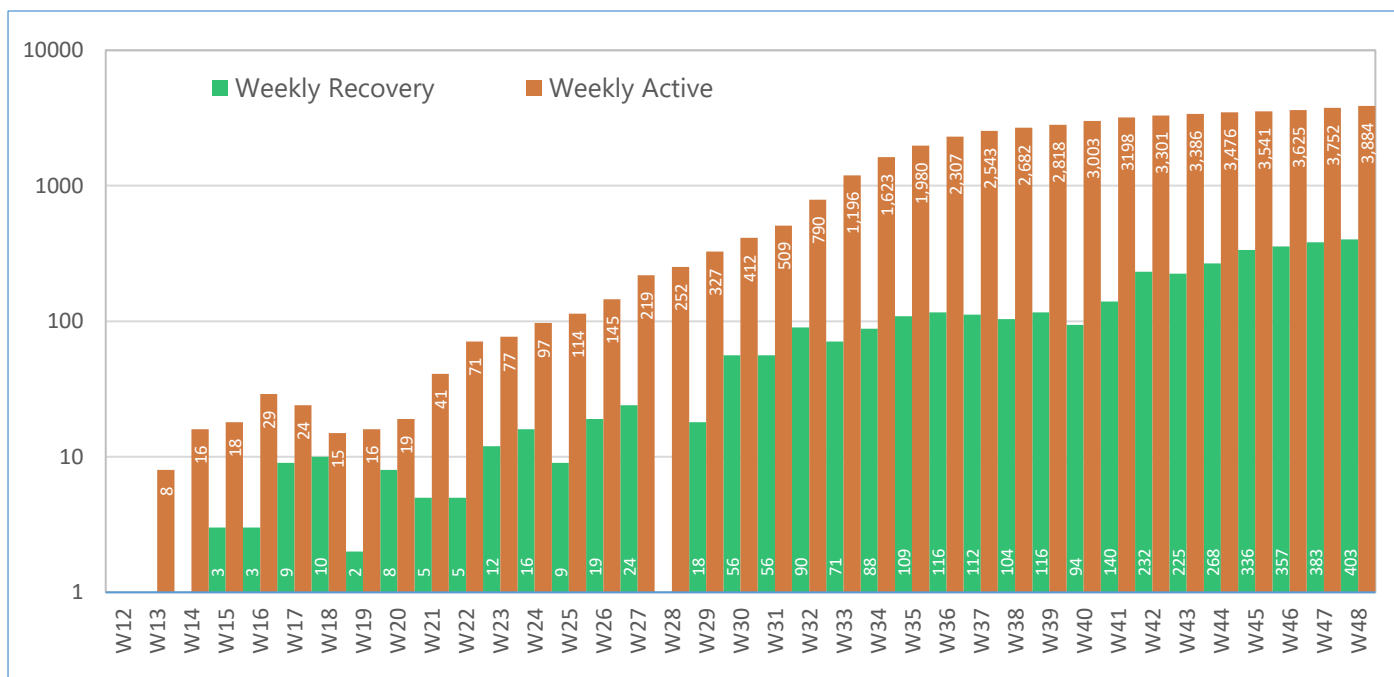
³ CFR is not same as Infection fatality ratio (IFR) which is the proportion of individuals diagnosed with a disease who die from that disease and is therefore a measure of severity among detected cases, Estimating mortality from COVID-19, WHO scientific brief, 4 August 2020. <https://www.who.int/publications/i/item/WHO-2019-nCoV-Sci-Brief-Mortality-2020>.

The figure below is showing the mood of transmission of the reported confirmed COVID-19 cases, 23 March –29 November 2020, Syria.



In the epidemiological week 48, the number of COVID-19 **active cases** increased by **3.5%**, in comparison to the previous week (**3,884** and **3,752**) and at the same time, the number of **recovered** COVID-19 cases increased by **5.2%** (**403** and **383** respectively).

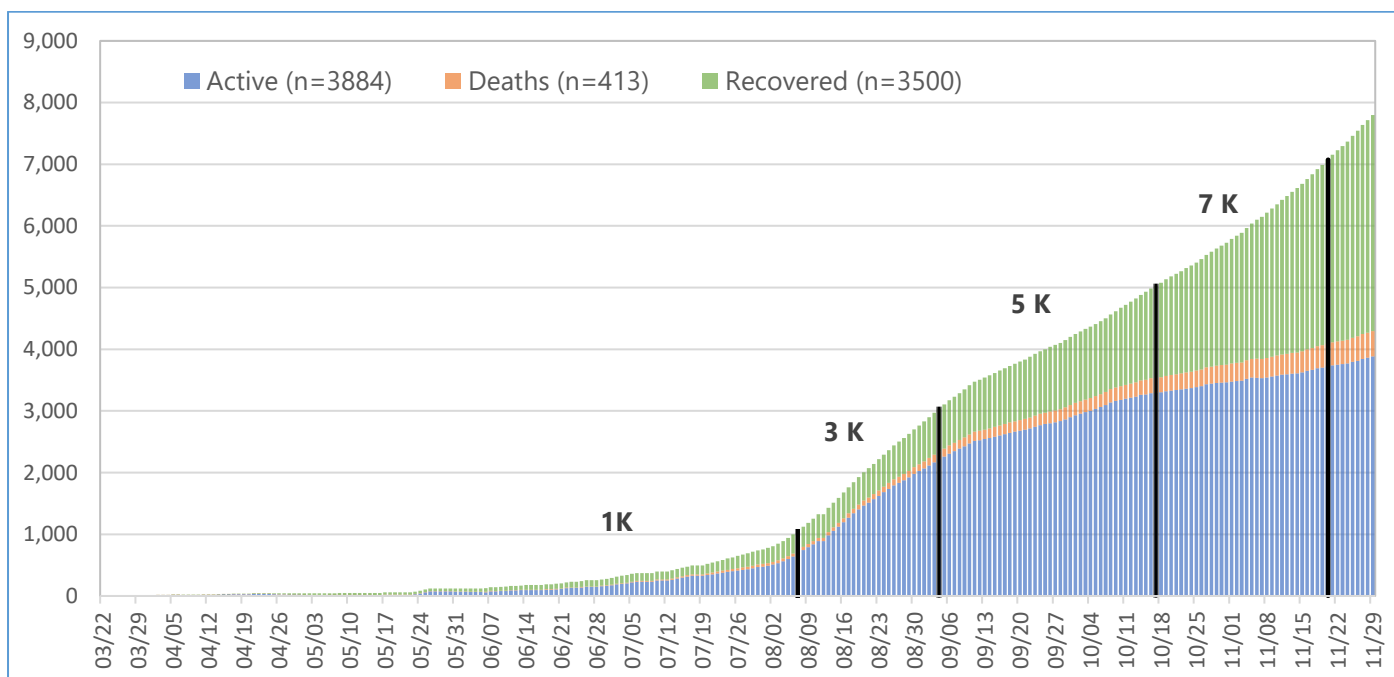
The figure below is showing the weekly outcomes of the reported confirmed COVID-19 cases, 23 March –29 November 2020, Syria.



Since the beginning of reporting COVID-19 cases in Syria, the first 1,000 cases were reported in 139 days, reaching 3,000 cases in 28 days and 5,000 cases in 43 Days.

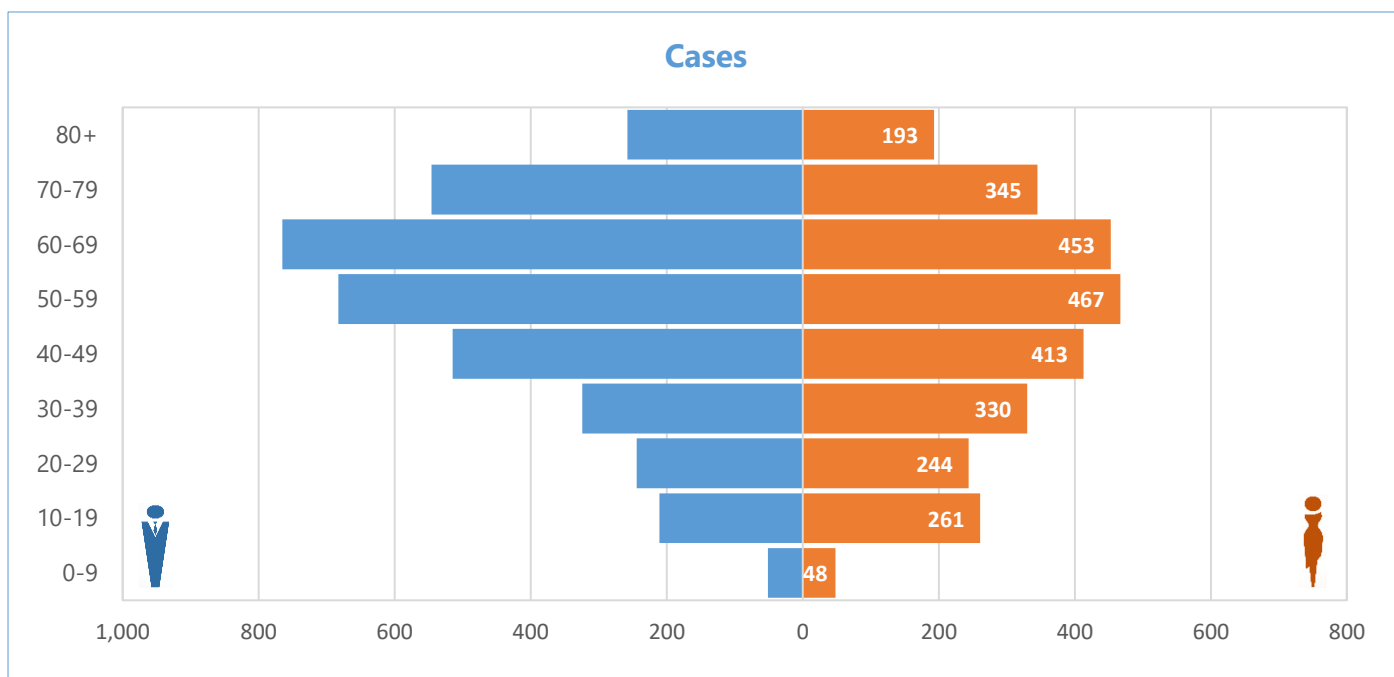
Out of the total **7,797** COVID-19 cases reported as of 29 November 2020, **44.9%** (3,500) recovered, **5.3%** (413) died and **49.8%** (3,884) are active cases.

The figure below is showing the timeline of reported confirmed COVID-19 cases, 23 March – 29 November 2020, Syria.



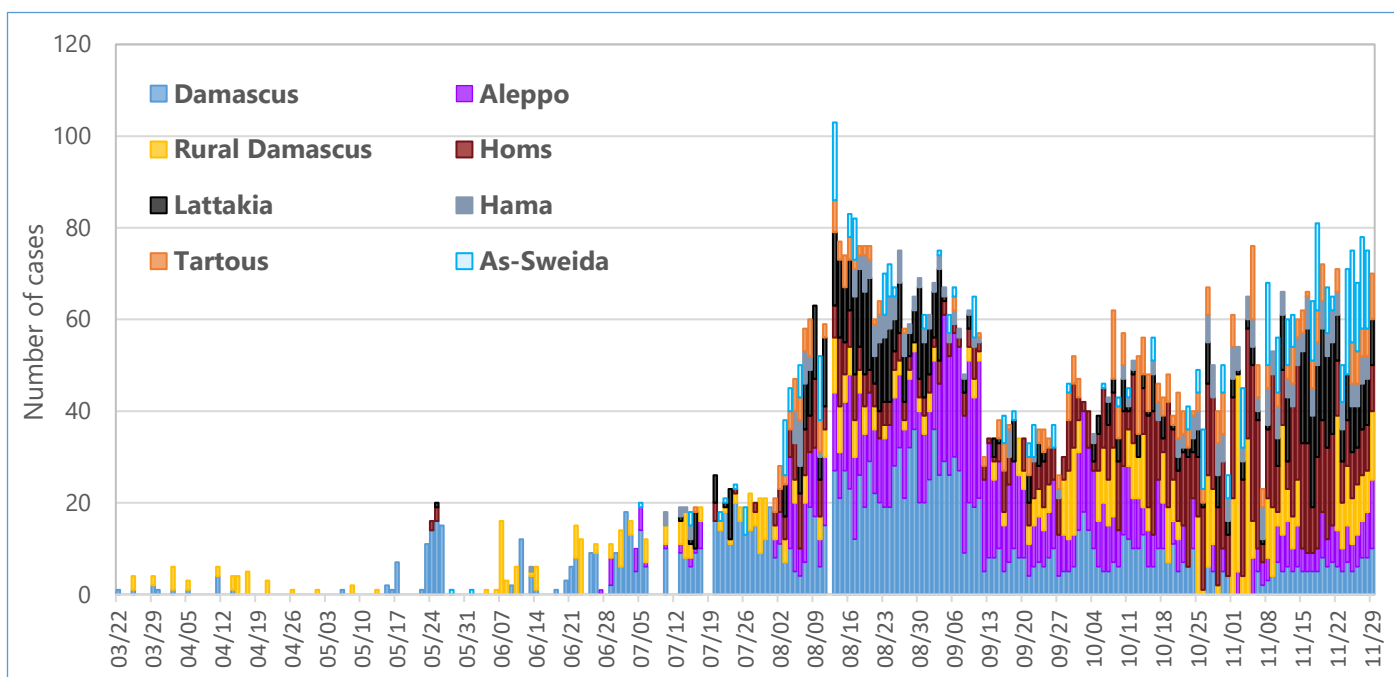
As of 29 November 2020, **43.4%** of all confirmed cases were registered among patients of 60 years old and above, **18.2%** - in the age group from 50 to 59 years old, **13.4%** - 40 to 49, **9.8%** -30 to 39 years, **8.6%** - 20-29 years, **5.0%** - 10-19 year-old and **1.7%** in the age group younger than 10 years. Males represented **59.1%** of the total reported confirmed COVID-19 cases.

The figure below is showing age-sex distribution of the reported confirmed COVID-19 cases and deaths, 29 November 2020, Syria.

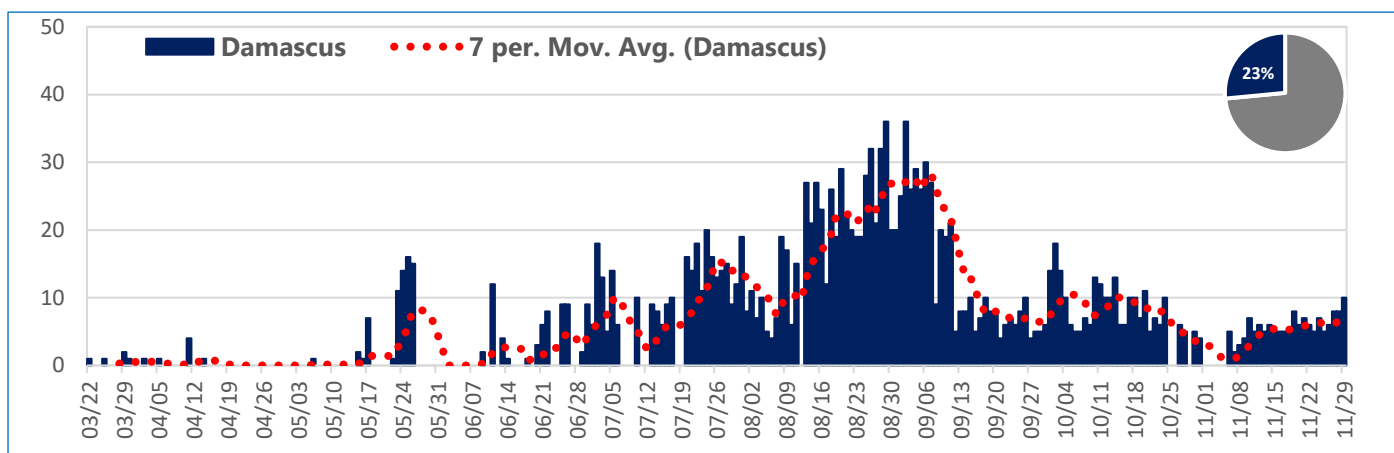


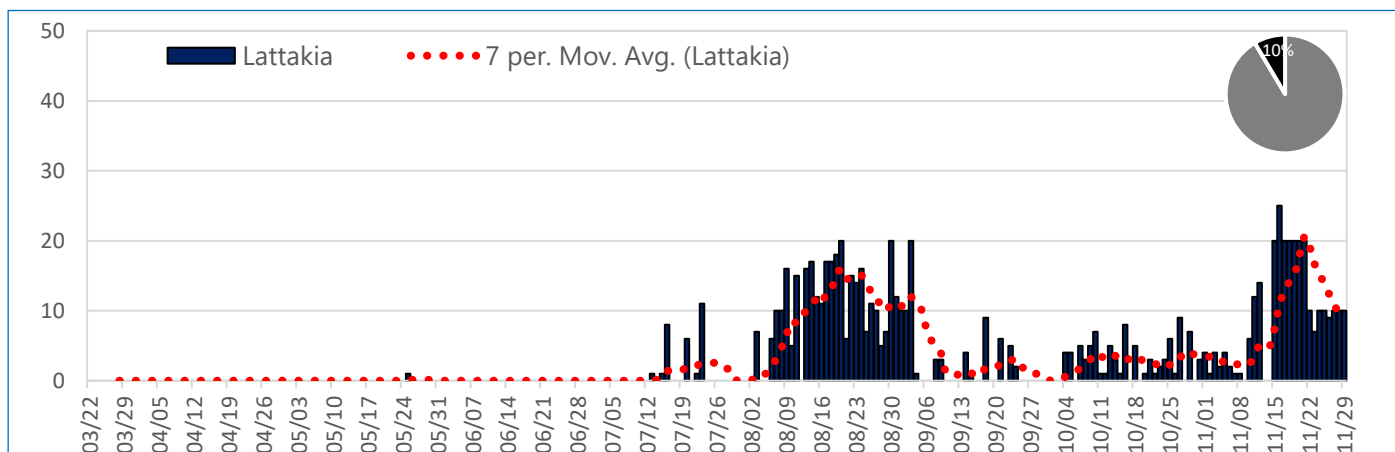
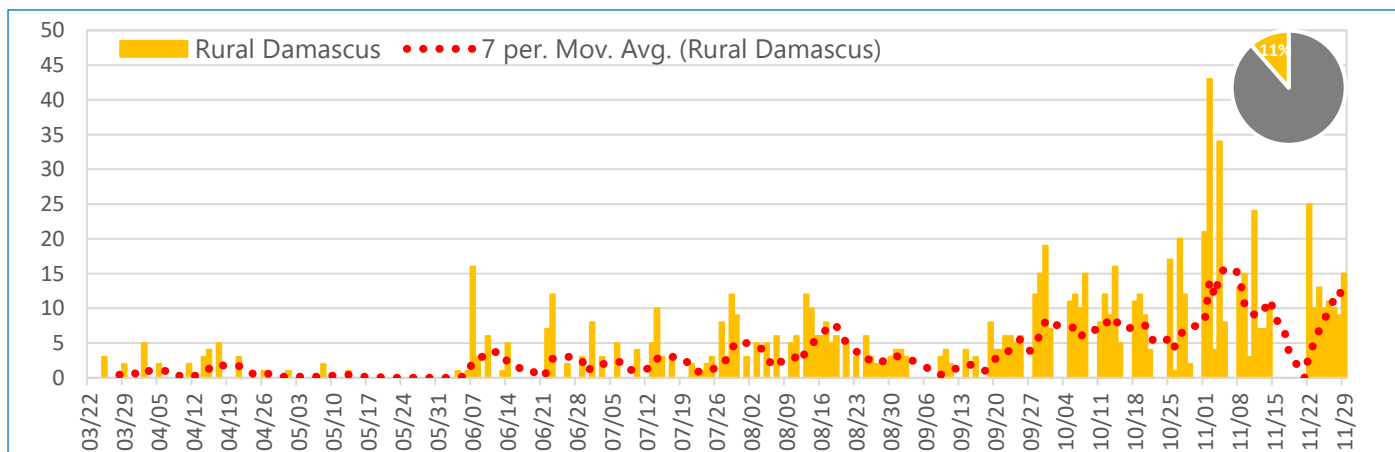
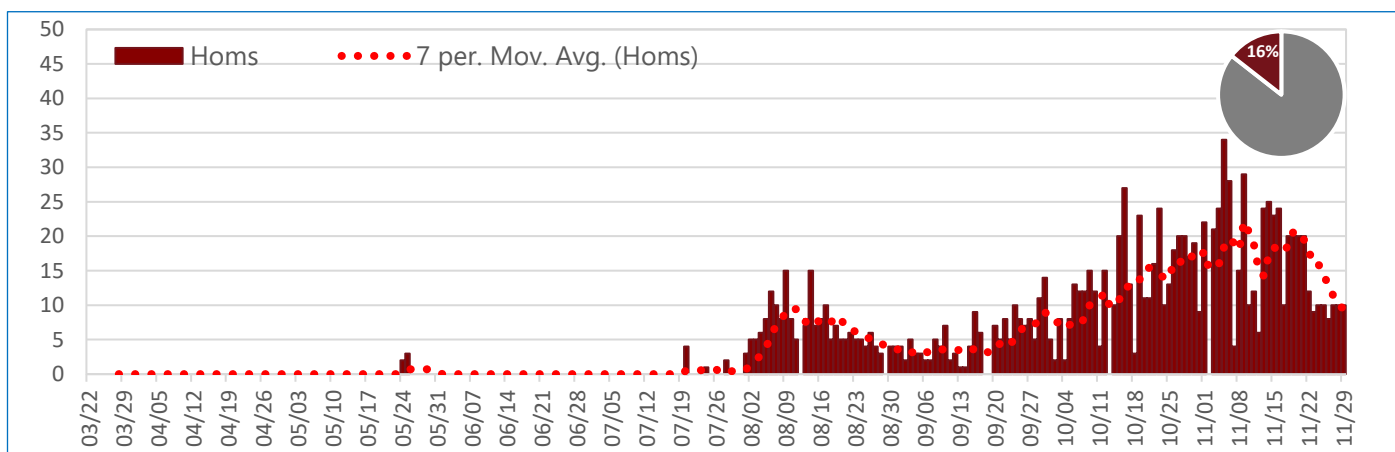
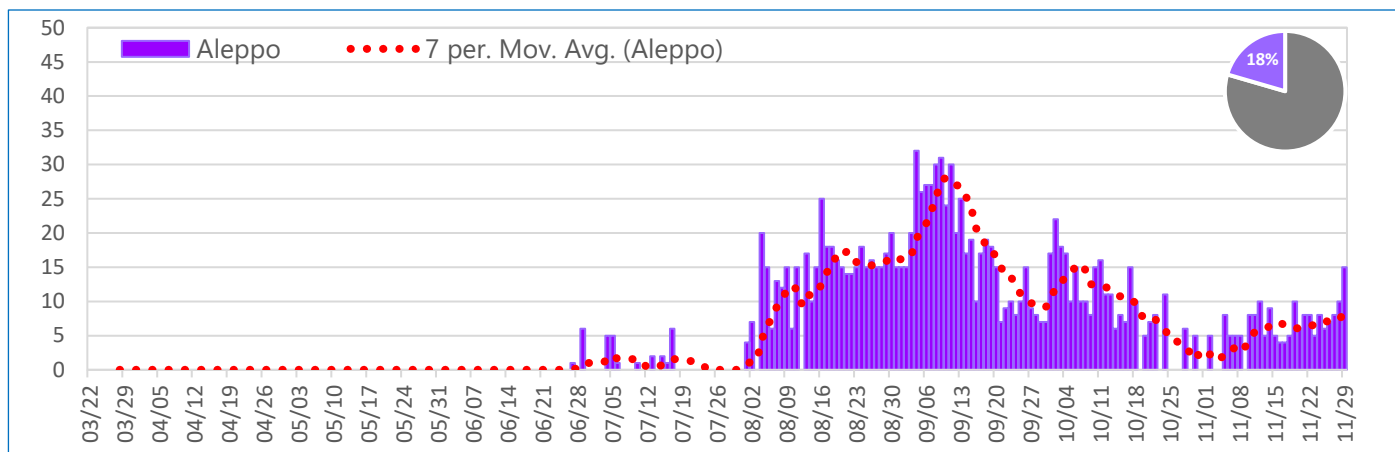
As of 29 November 2020, geographical distribution of confirmed reported COVID-19 cases was available on **100%** of cases (**7,797/7,797**). Of all cases, **22.8%** (1,777) reported from the **Damascus** governorate, **18.3%** (1,423) from **Aleppo**, **Homs 15.6%** (1,220), **Rural Damascus, 11.3%** (879), **Lattakia, 10.0%** (3783), **Dar'a, 5.1%** (400), **As-Sweida, 5.1%** (399), **Tartous, 5.0%** (391), **Hama, 4.5%** (354), **Quneitra, 1.4%** (107), and the remaining **0.5%**. **0.3%** and **0.1%** are from **Al-Hasakeh, Deir-ez-Zor** and **Ar-Raqqa** Governorates, respectively.

The figure below is showing the daily distribution of reported confirmed COVID-19 cases per selected governorate, 23 March – 29 November 2020, Syria.



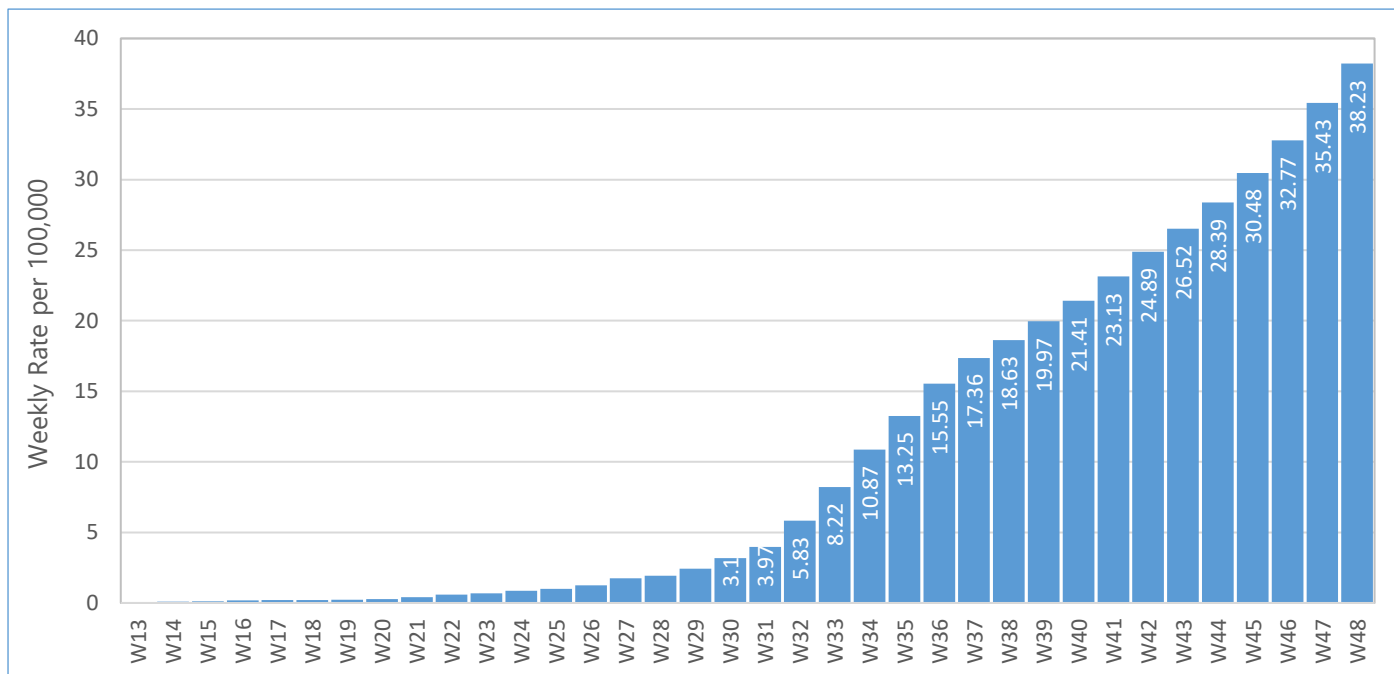
The figures below are showing the daily distribution of reported confirmed COVID-19 cases and rolling seven-day average in selected governorates, 23 March– 29 November 2020, Syria.





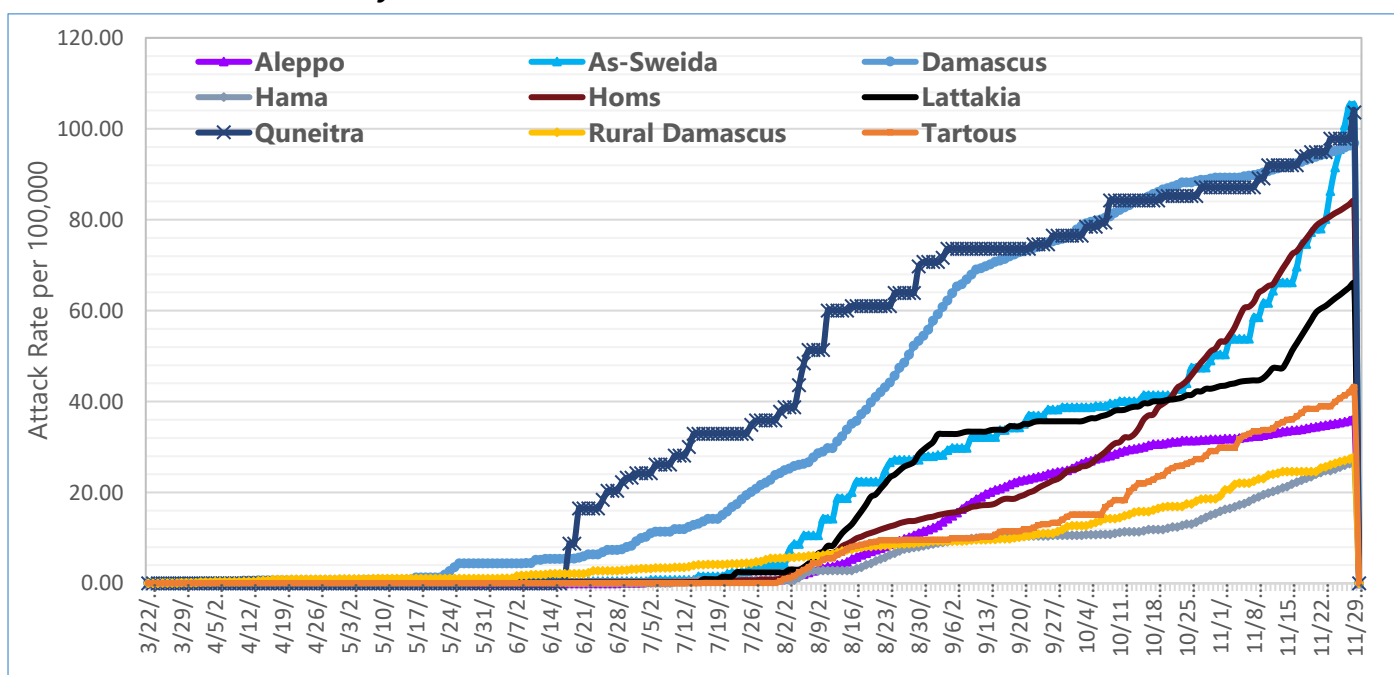
On 29 November 2020, the overall attack rate (AR) is **38.23** per 100,000 and **100% (13/13)** of provinces with the total population of 20,393,662 people have reported confirmed COVID-19 cases. In the reported week (epidemiological week 45), COVID-19 weekly AR increased by **2.8%** in comparison to the previous week (38.23 and 35.43) respectively.

The figure below is showing the weekly COVID-19 attack rate (AR) per 100,000, 23 March – 29 November 2020, Syria.



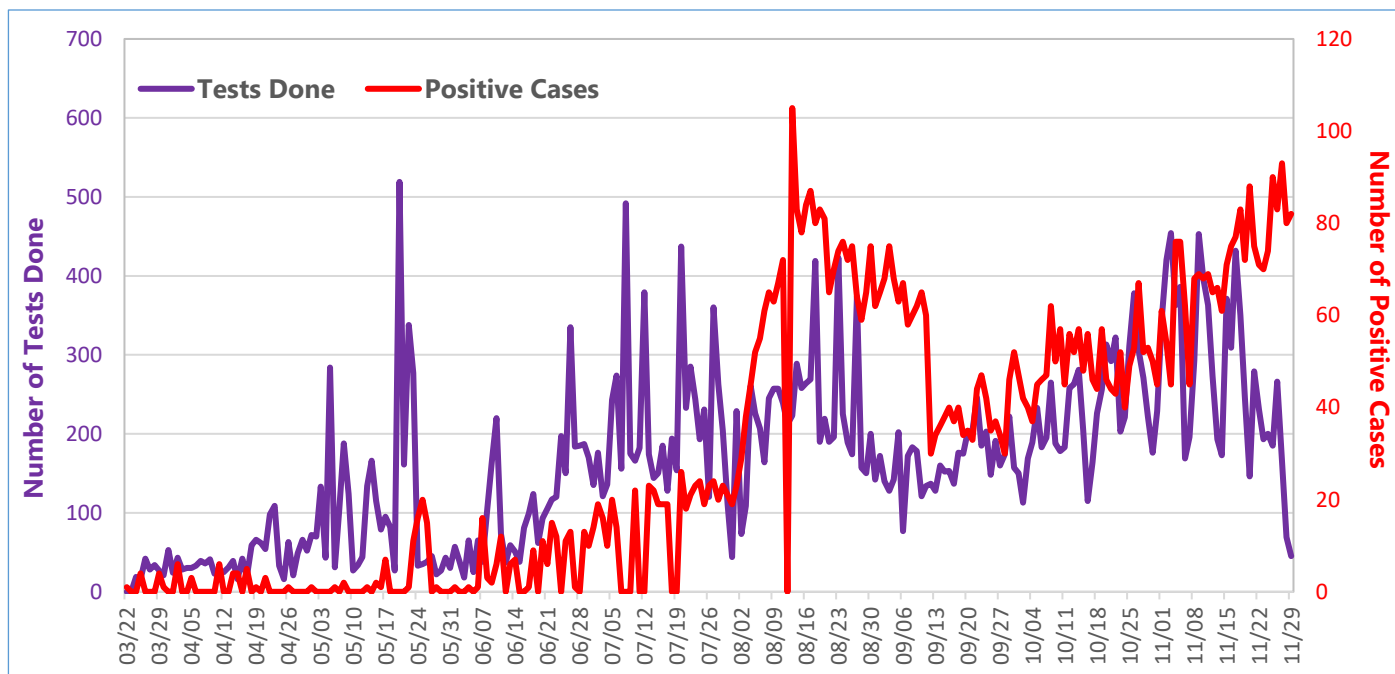
The highest AR is reported from **As-Sweida (105.23/100,000)** followed by **Quneitra governorate (103.61/1,000,000)**, **Damascus governorate (96.82/100,000)**, **Homs governorate (84.08/100,000)**, **Lattakia governorate (65.99/100,000)**, **Tartous governorate (43.14/100,000)**, Aleppo (**36.18/100,100**), **Dar'a governorate (39.40/100,000)**, **Rural Damascus (27.81/100,000)**, **Hama governorate (26.37/100,000)**, and the lowest rate (**2.97/100,000**) in **Deir-ez-Zor governorate**.

The following figure is showing the COVID-19 attack rate per 100,000 population in selected governorates, 23 March – 29 November 2020, Syria.



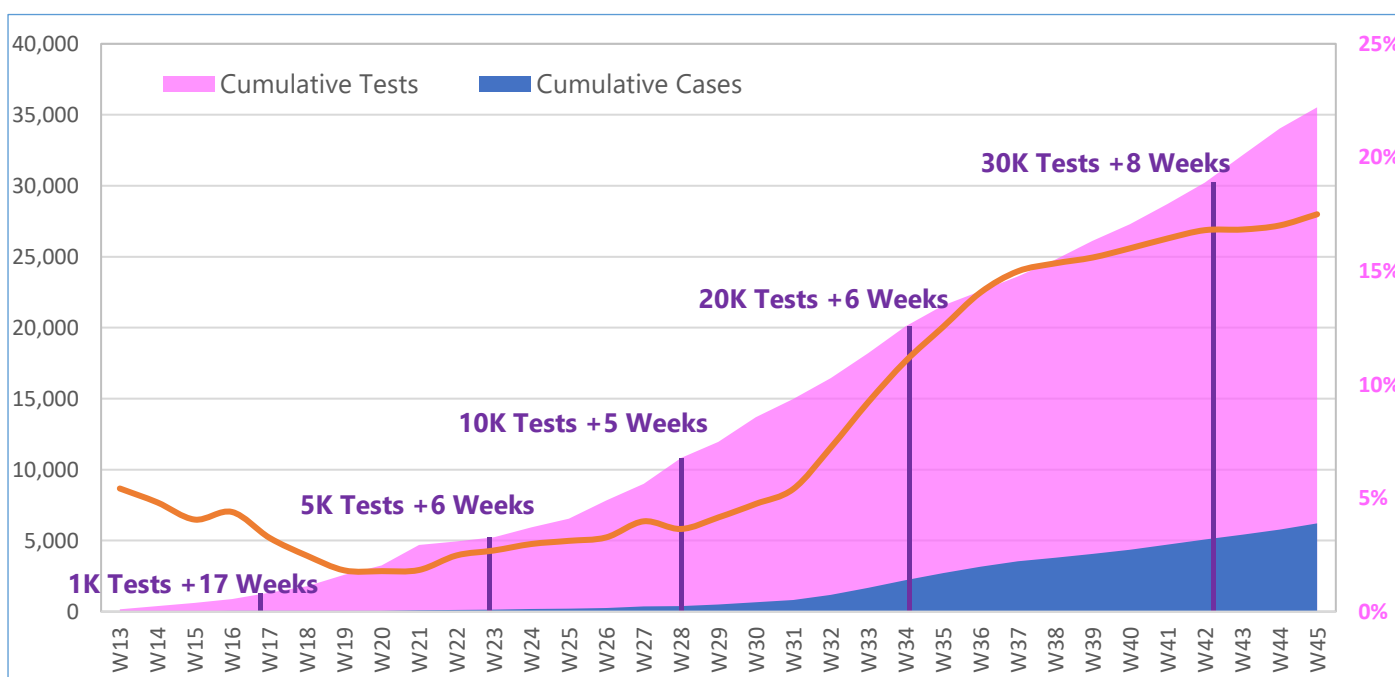
Between 23 March and 29 November 2020, a total of **111,664** COVID-19 tests with the overall positivity rate of **27.2%** with overall **547.5/100,000**. Of them **48.0%** (**53,580/111,664**) tested in **NWS**, **37.3%** in Syria and **14.7%** in NES. The analysis of data on the two variables (weekly number of tests and number of confirmed cases) in Syria showed correlation coefficient (**R**) between the two variables as **0.973** (positive correlation).

The graphs below are showing the daily number of COVID-19 conducted tests and daily number of confirmed cases, 23 March – 29 November 2020.

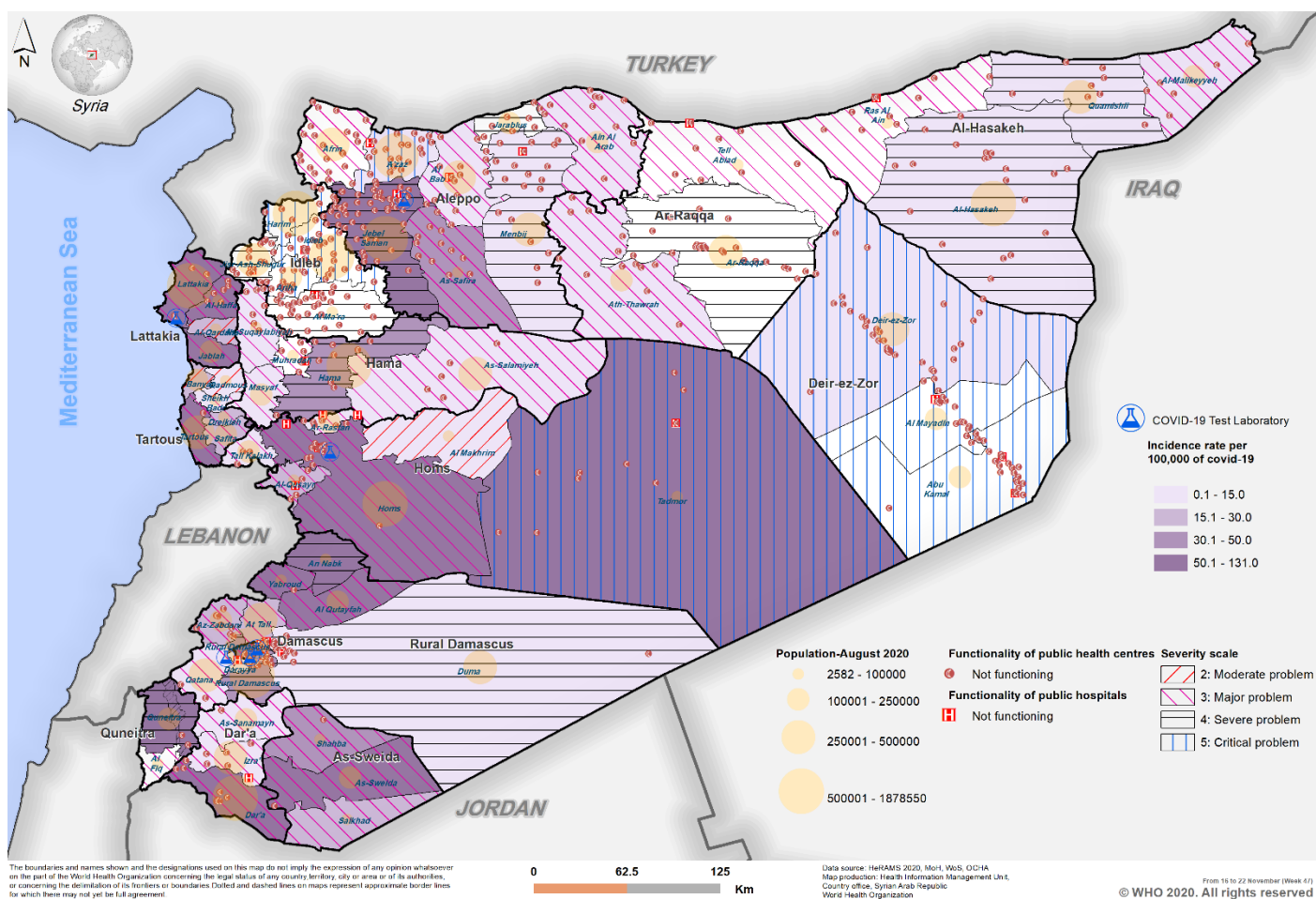


Out of the total **41,693** COVID-19 tests conducted since 23 March 2020 to 29 November 2020, the overall positivity rate was **18.7%**. Since the beginning of COVID-19 testing in Syria, the first 1,000 tests were conducted in 4 weeks, reaching 5,000 cases in 6 weeks, 10,000 tests in 5 weeks, 20,000 tests in 6 weeks and 30,000 tests in 8 weeks.

The graph below is showing cumulative number of Samples tested and Positivity rate, 23 March – 29 November 2020, Syria



The map below is showing COVID-19 Attack Rate (AR) by governorates and the location of COVID-19 laboratories, 23 March – 29 November 2020, Syria



2. Useful COVID-19 links:

WHO Syria, COVID-19 Dashboard (English):

<https://app.powerbi.com/view?r=eyJrIjoiNmY5OGYzNDYtNjZhMy00MWlyLWlyMzctYzc4MmI3ZDNIODk5IiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjIh9>

WHO Syria, COVID-19 Dashboard (Arabic):

<https://app.powerbi.com/view?r=eyJrIjoiNTA0NWxZmYtMDJiMC00ZWU0LTllNTktZTViZjYwYThjZmUzIiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjIh9>

COVID-19 situation in EMRO Region reports: <http://www.emro.who.int/health-topics/corona-virus/index.html>

Latest global WHO weekly update on COVID-19, 30 November 2020: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports>

WHO COVID-19 Country and Technical Guidance: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance>

WHO COVID-19 Online Training: <https://openwho.org/channels/covid-19>