



In this issue of Syria COVID-19 Morbidity and Mortality Summary (SMMS) N° 02:

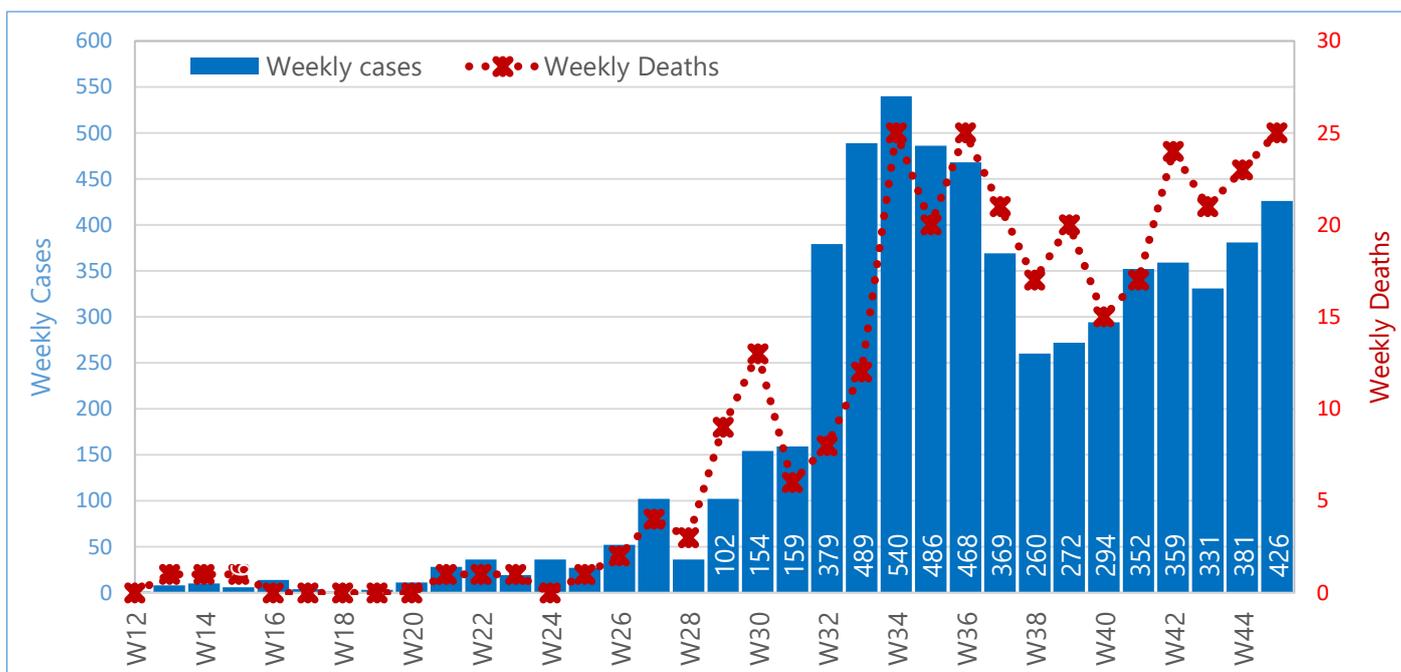
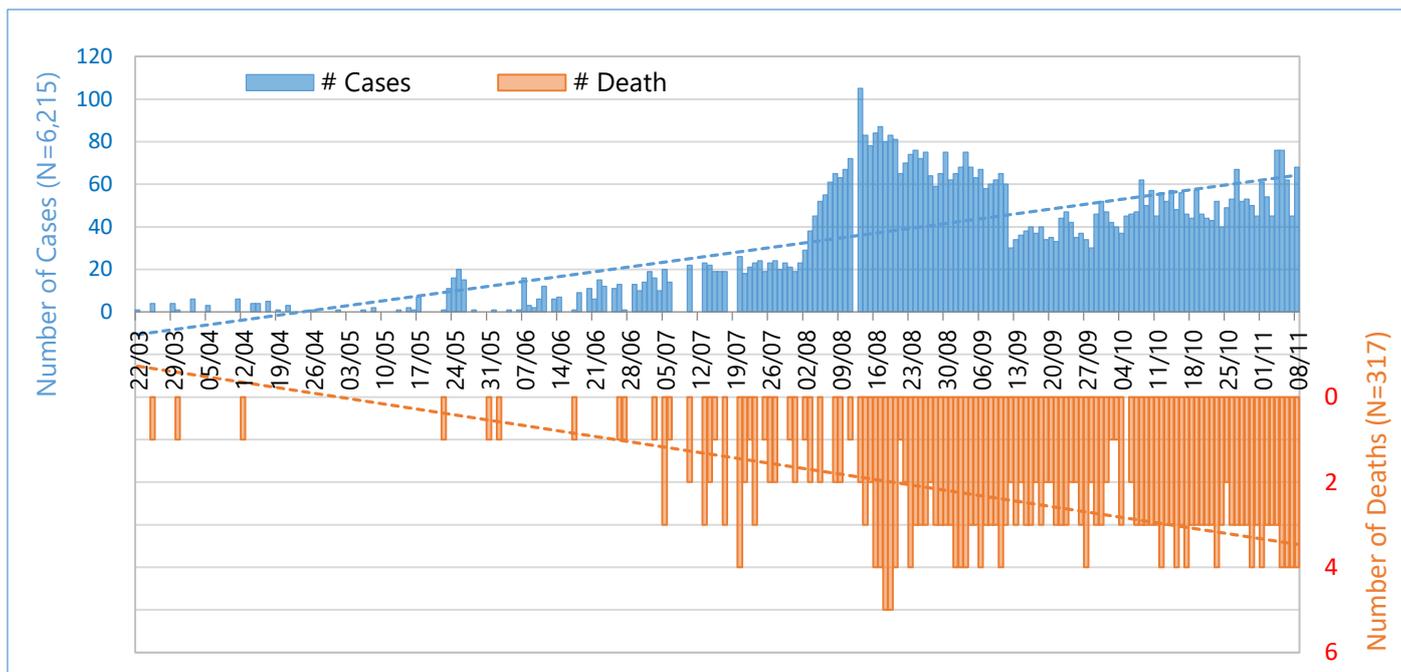
- ✓ *dashboard with key figures*
- ✓ *detailed epidemiological update on COVID-19 outbreak in Syria*
- ✓ *daily and weekly distribution of COVID-19 cases and related deaths*
- ✓ *daily distribution of COVID-19 cases and rolling seven-day average per Governorate*
- ✓ *gender and age distribution of COVID-19 deaths by Governorate*
- ✓ *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 governorate*

	Tested	Confirmed	Recovered	Dead
				
TOTAL	78,606	20,248	6,270	529
Syria	35,527	6,215	2,357	317
NES	9,701	5,645	814	143
NWS	33,378	8,388	3,099	69
	Test/100,000	AR/100,000	Recovery Rate %	CFR%
	385.4	99.3	30.9%	2.61
	COVID-19 Hospitals	Isolation Beds	ICU Beds	Ventilators
TOTAL	34	7,062	355	388
Syria	21	5,764	179	158
NES	4	683	34	75
NWS	9	615	142	155

1. Surveillance and Laboratory

Between 23 March and 08 November 2020, according to the Ministry of Health (MOH) there were six-thousand-two-hundred-fifteen (6,215) COVID-19 cases¹ confirmed by rt-PCR, including three-hundred-seventeen (317) related deaths. Case Fatality Ratio (CFR)² is 5.1%. In the reported week (epidemiological week 45), in comparison to the previous epidemiological week, the number of new weekly COVID-19 cases increased by 11.8% (426 and 381 respectively) and the weekly death cases increased by 8.7% (25 and 23 respectively).

The figures below are showing the daily and weekly distribution of reported confirmed COVID-19 cases and deaths, 23 March – 08 November 2020, Syria

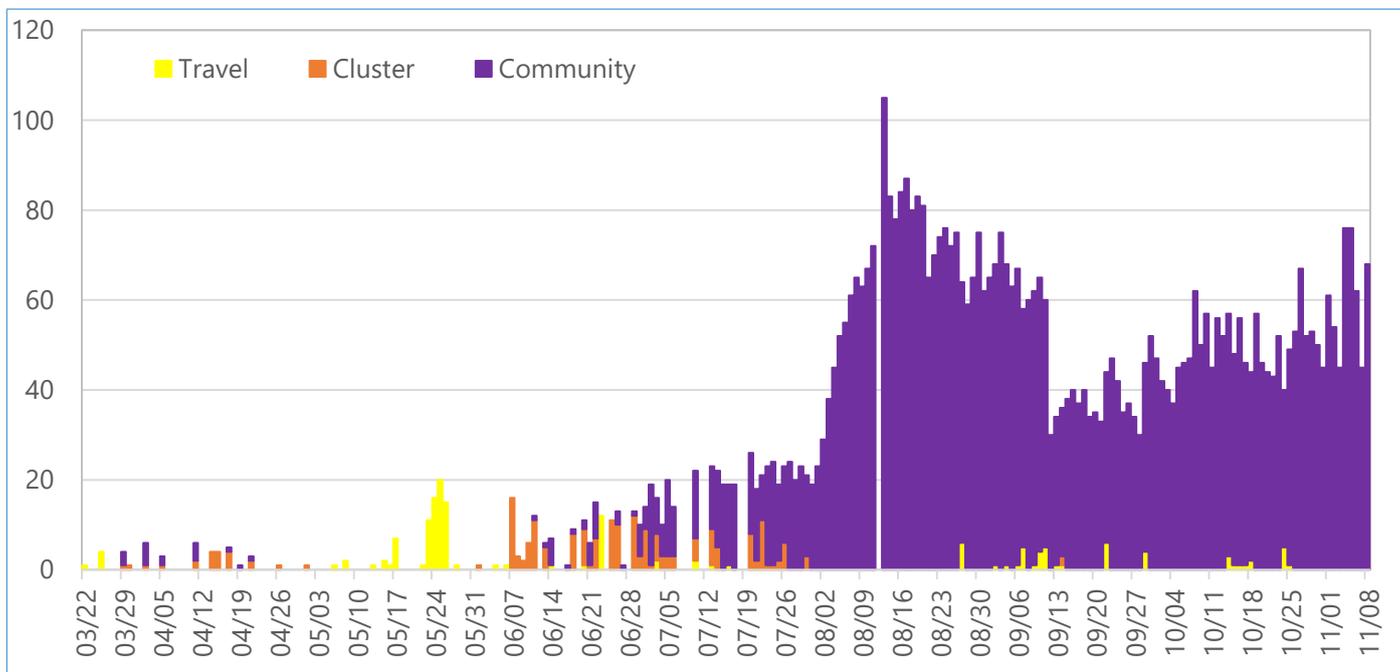


¹ WHO Syria COVID-19 Situation Reports present official counts of confirmed COVID-19 as announced by the MOH on the indicated date. Any difference in data between the WHO reports and other sources may be a result of using different cutoff times for the aggregation and reporting of the total number of 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, source: 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>.

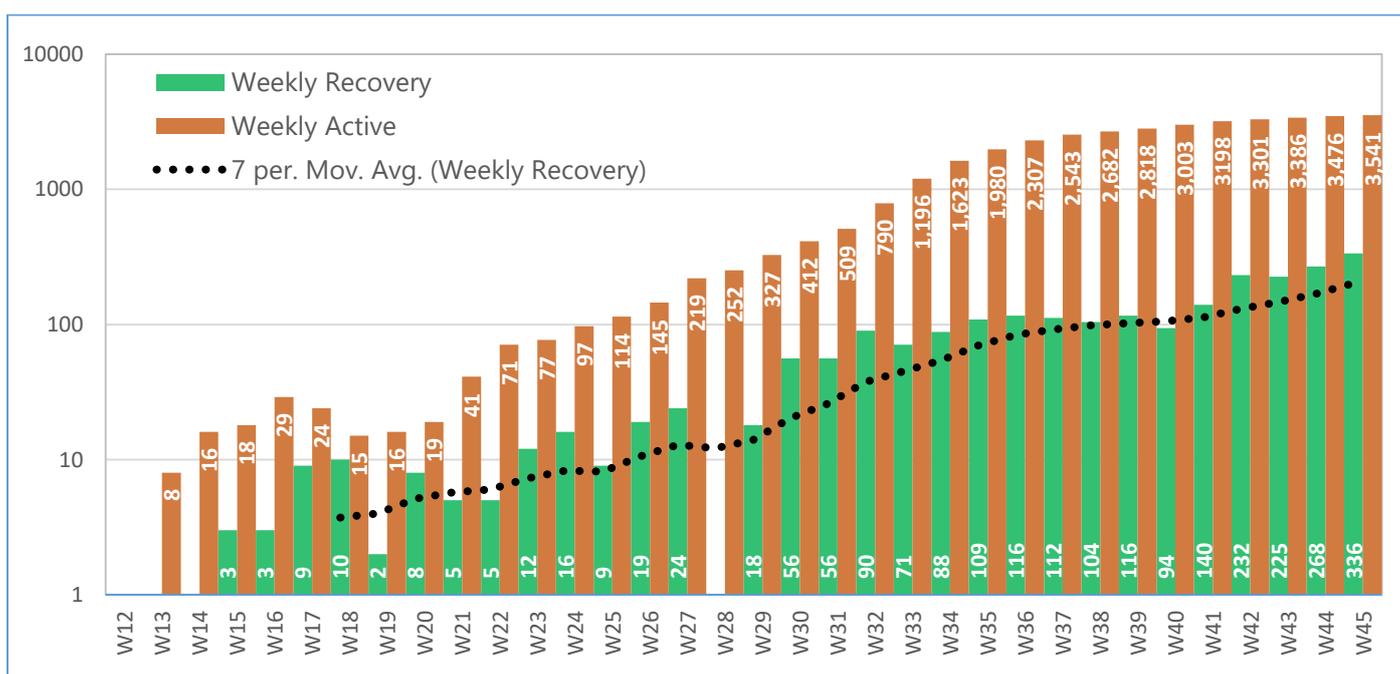
As of 08 November 2020, mode of transmission of the confirmed reported COVID-19 cases was available on **100%** of cases (**6,215/6,215**). Of all cases, **94.2%** (5,855) were community transmission, **3.3%** (205) reported from clusters of cases and **2.5%** (155) were imported cases.

The figure below is showing the mode of transmission of the reported confirmed COVID-19 cases, 23 March –08 November 2020, Syria.



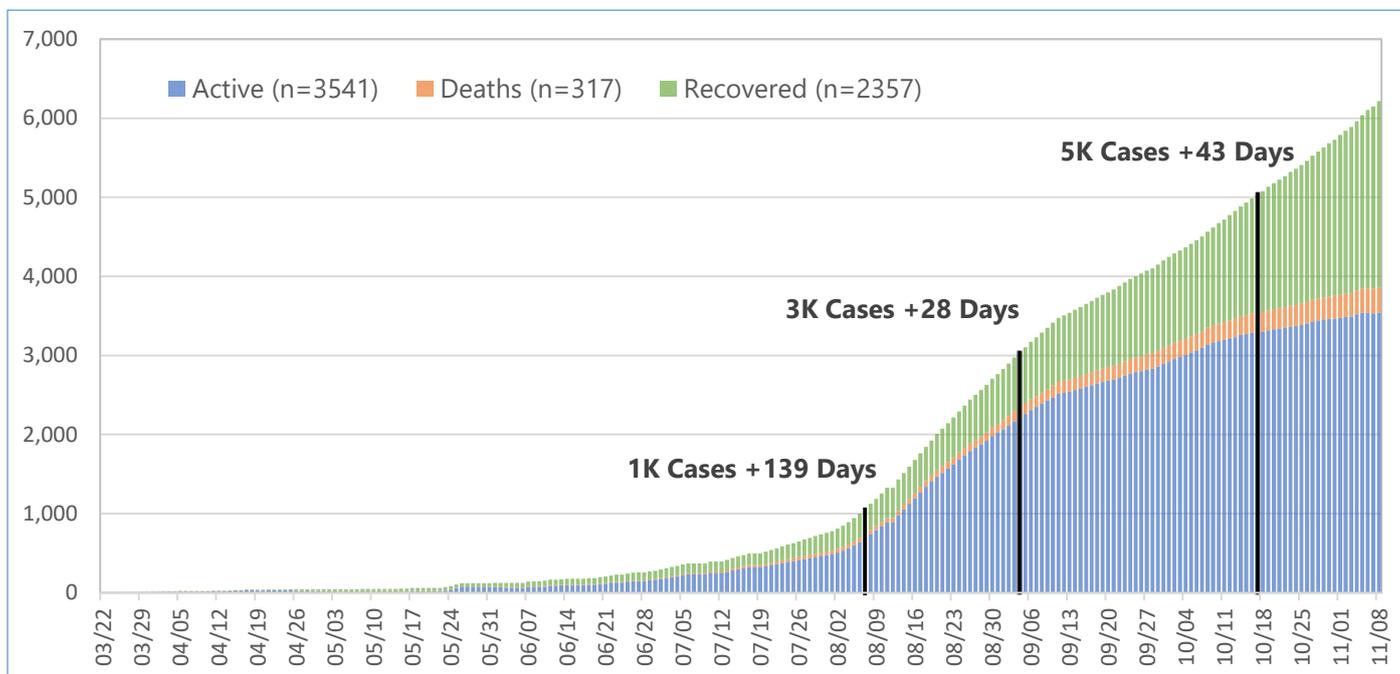
In the epidemiological week 45, the number of COVID-19 **active cases** increased by **1.8%**, in comparison to the previous week (**3,541** and **3,476**) and at the same time, the number of **recovered** COVID-19 cases increased by **25.3%** (**336** and **268** respectively).

The figure below is showing the weekly outcomes of the reported confirmed COVID-19 cases, 23 March –08 November 2020, Syria.



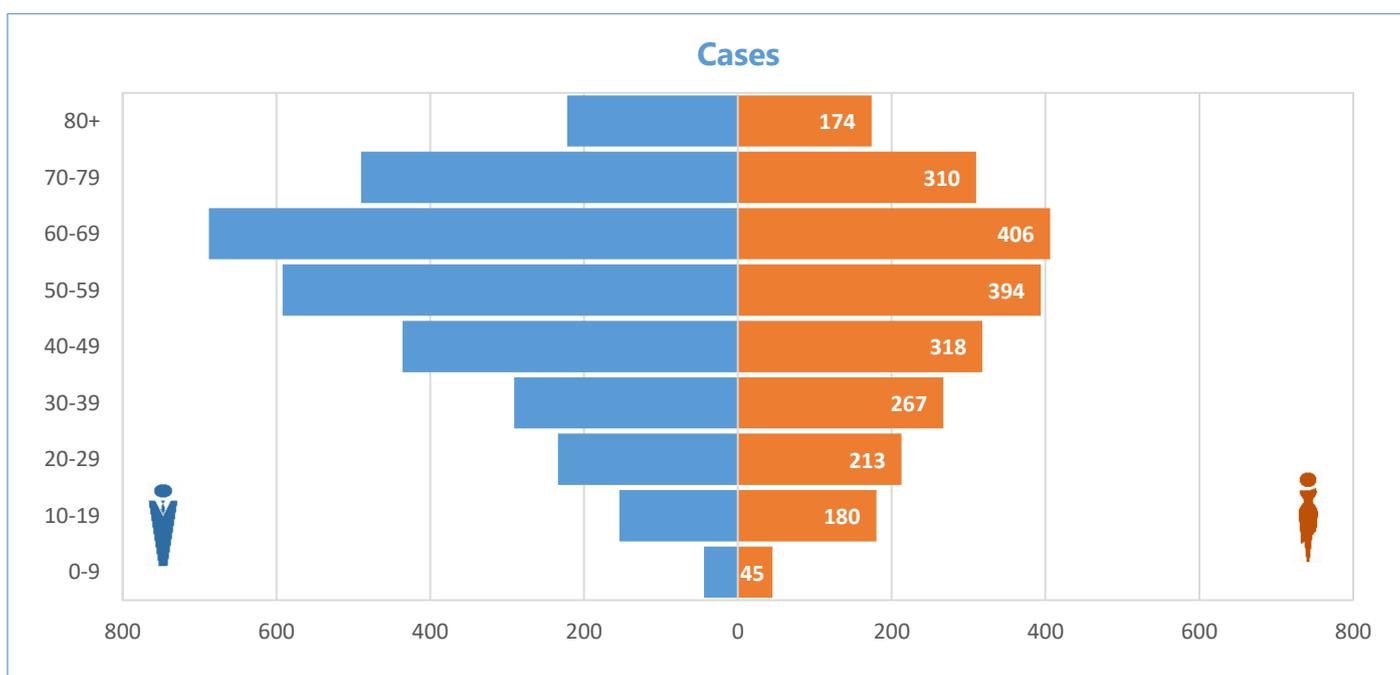
Out of the total 6,215 COVID-19 cases reported as of 08 November 2020, 37.1% (2,357) recovered, 5.1% (317) died and 57.0% (3,541) are active cases. Since the beginning of the reporting COVID-19 cases in Syria, the first 1,000 cases were reported within 139 days, reaching 3,000 cases in 28 days and 5,000 cases -in 43 days.

The figure below is showing the weekly outcomes of the reported confirmed COVID-19 cases, 23 March –08 November 2020, Syria.



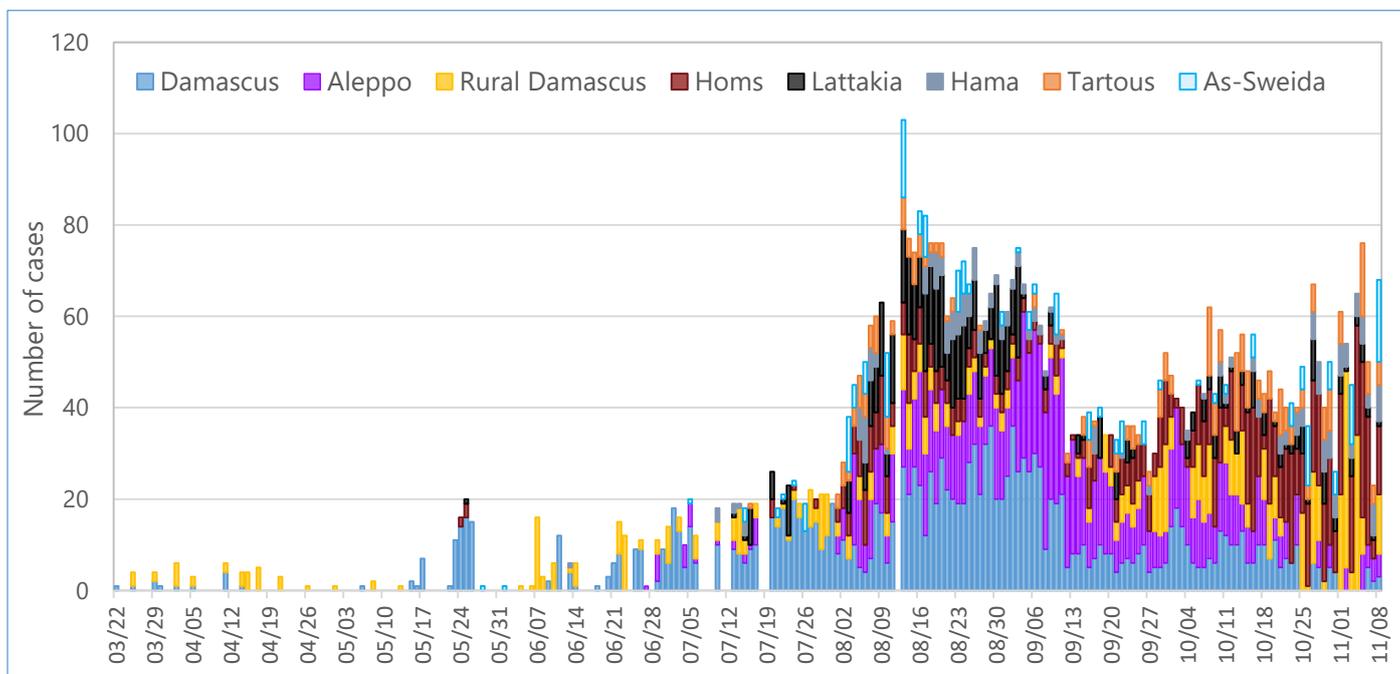
As of 08 November 2020, **43.4%** of all confirmed cases were registered among patients of 60 years old and above, **18.2%** - in the age group from 50 to 59 years old, **13.4%** - 40 to 49, **9.8%** -30 to 39 years, **8.6%** - 20-29 years, **5.0%** - 10-19 year-old and **1.7%** in the age group 9 years and younger. Males represented **59.1%** of the of total reported confirmed COVID-19 cases.

The figure below is showing age-sex distribution of the reported confirmed COVID-19 cases and deaths, 08 November 2020, Syria.

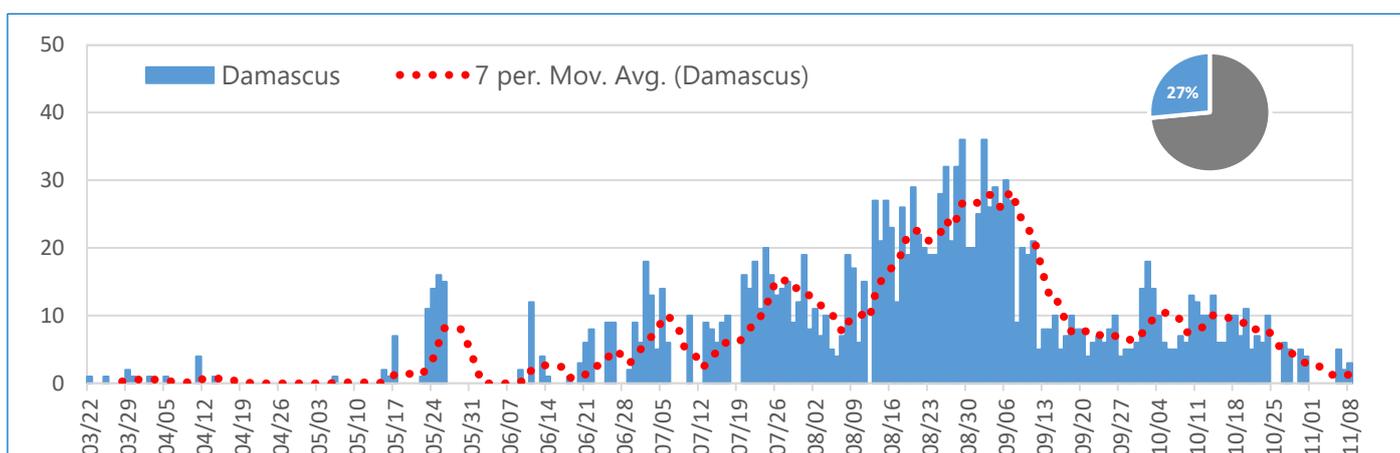


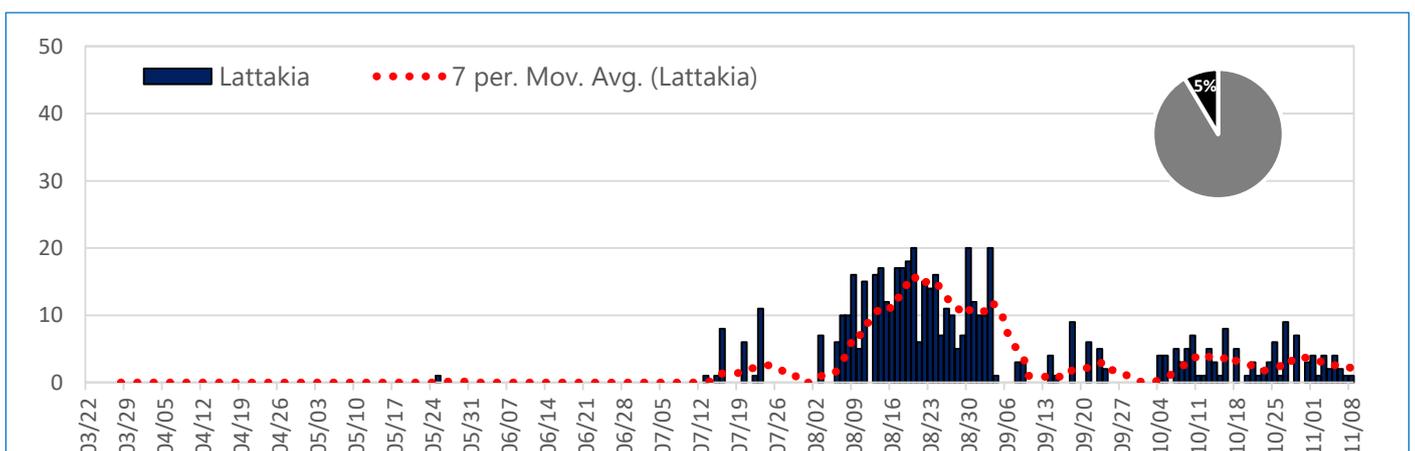
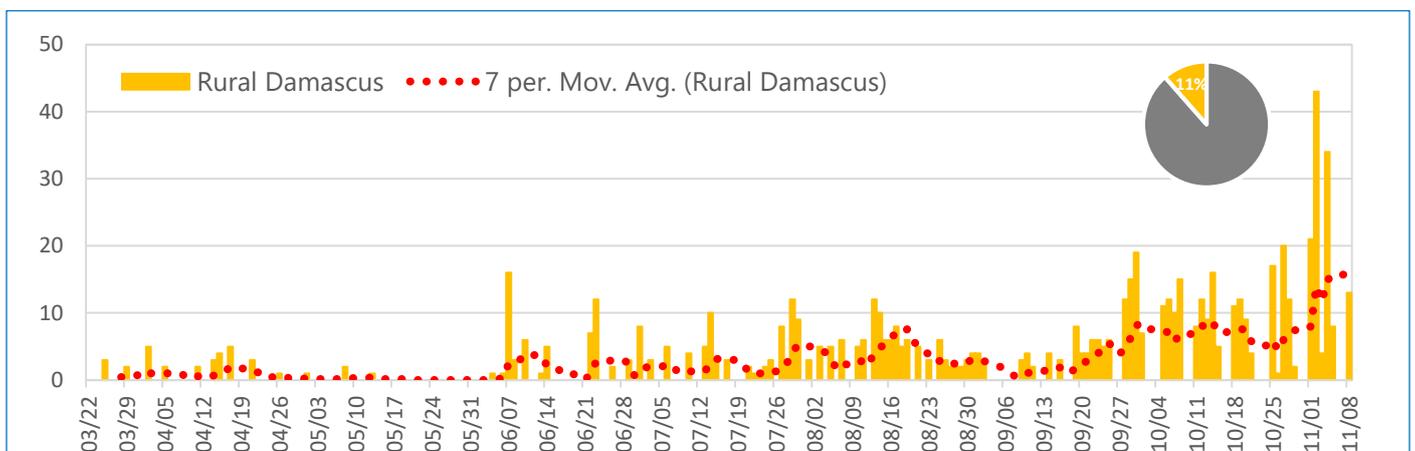
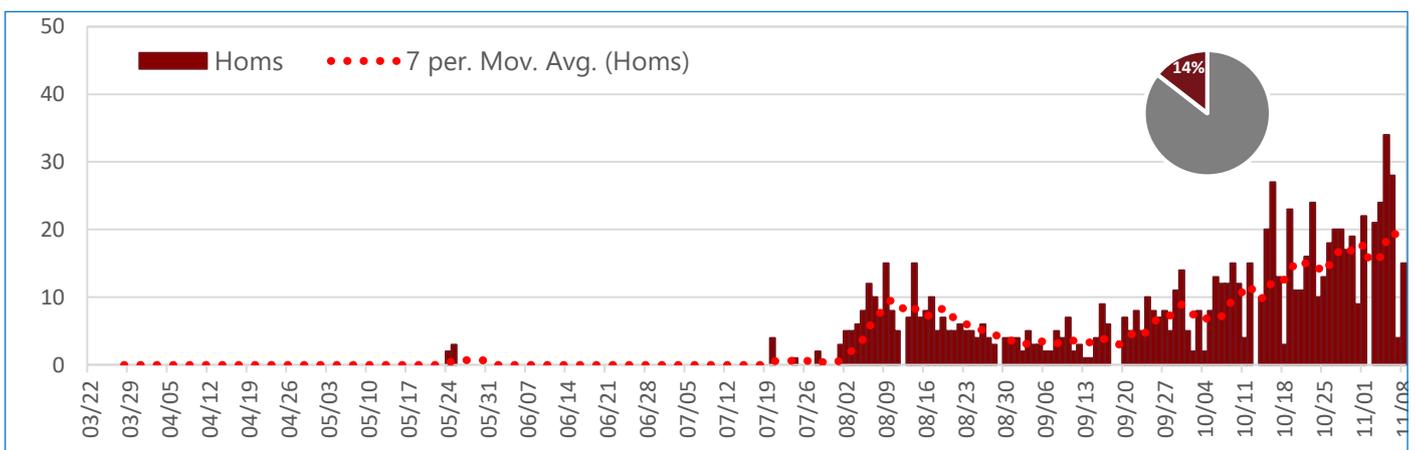
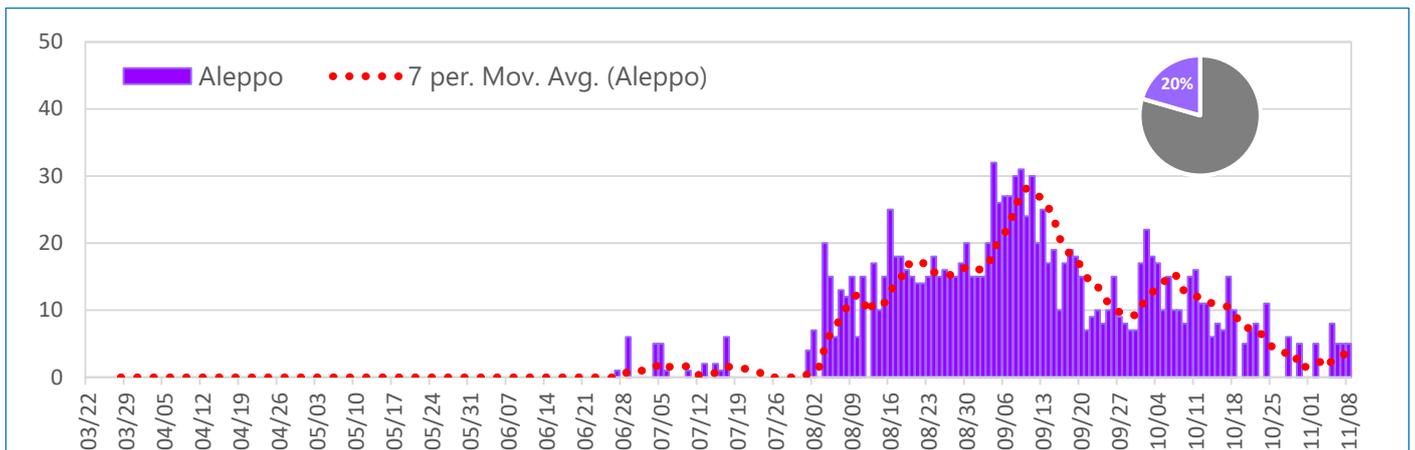
As of 08 November 2020, geographical distribution of confirmed reported COVID-19 cases was available on **100%** of cases (**6,215/6,215**). Of all cases, **26.5%** (1,648) reported from the **Damascus** governorate, **20.5%** (1,274) from **Aleppo**, **14.4%** (898), - **11.5%** (710), - from **Rural Damascus**, - from **Homs**, **8.5%** (530), - from **Lattakia**, **4.9%** (303), - from **Tartous**, **4.0%** (250), - from **Hama**, **3.6%** (222), - from **As-Sweida**, **3.6%** (226), - from **Dar'a**, **1.4%** (90), from **Quneitra** and the remaining **0.6%**. **0.4%** 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 – 08 November 2020, Syria.



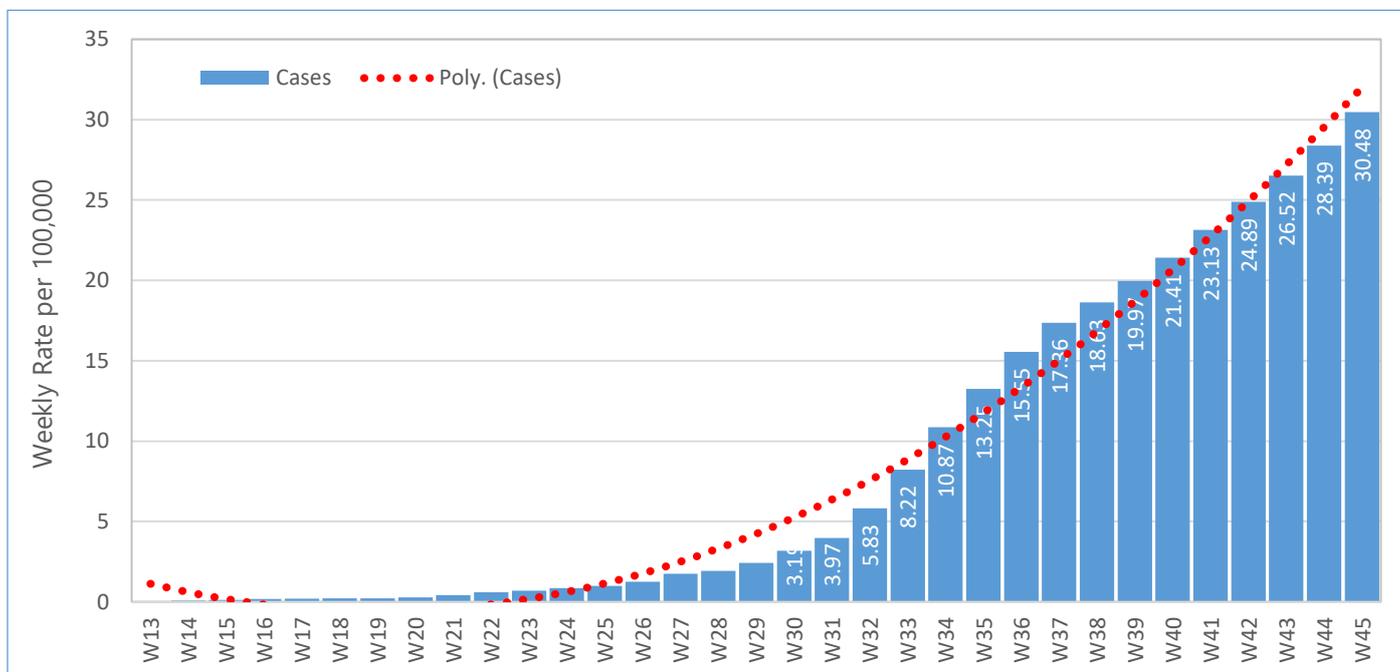
The figures below are showing the daily distribution of reported confirmed COVID-19 cases and rolling seven-day average in selected governorates, 23 March– 08 November 2020, Syria.





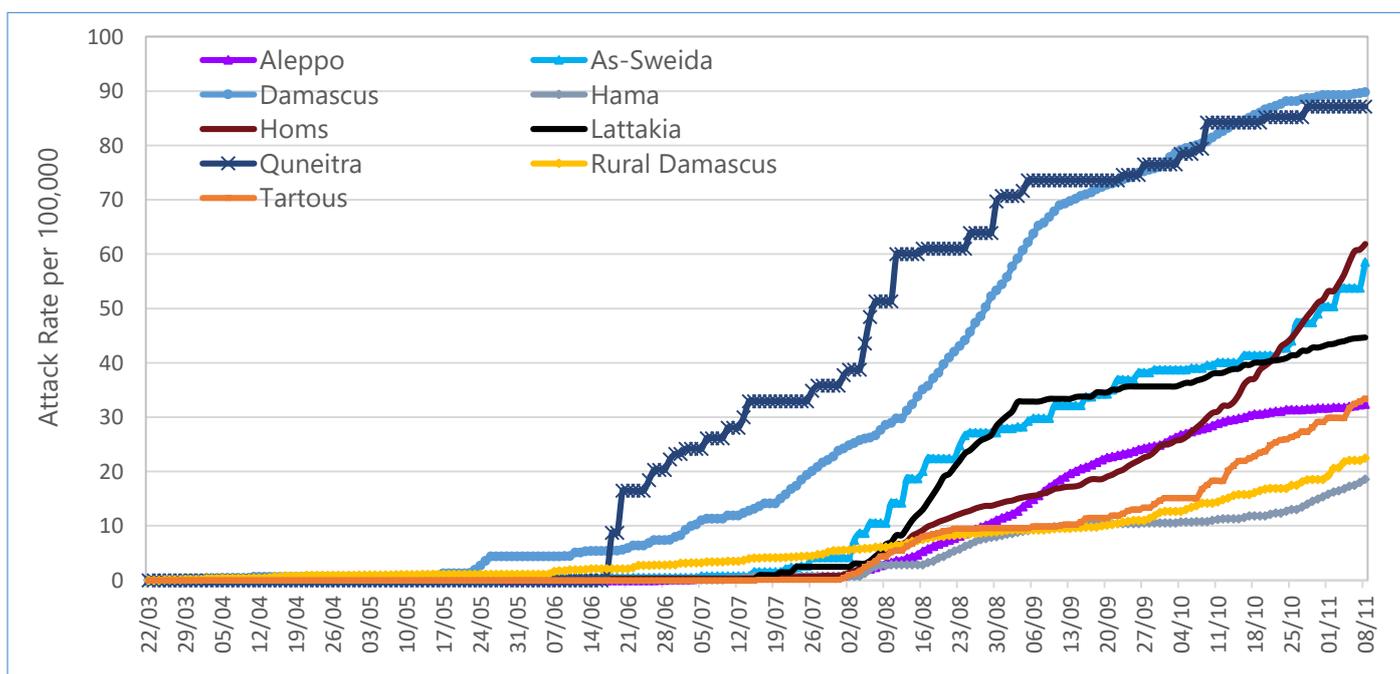
On 08 November 2020, the overall attack rate (AR) is **30.48** per 100,000 and **100% (13/13)** of governorates with the total population of 20,393,662 people have reported confirmed COVID-19 cases. In the reported week (epidemiological week 45), COVID-19 weekly AR increased by **2.1%** in comparison to the previous week (30.48 and 28.39 respectively).

The figure below is showing the weekly COVID-19 attack rate (AR) per 100,000, 23 March – 08 November 2020, Syria.



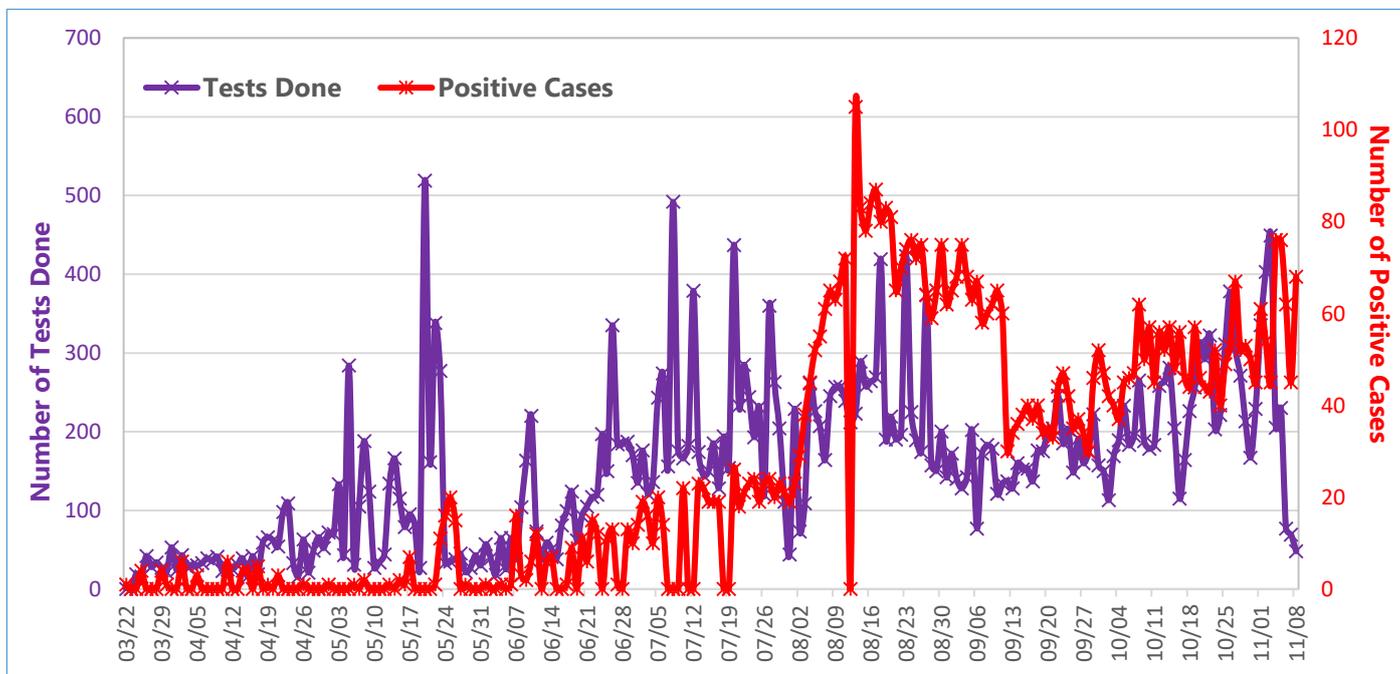
The highest AR is reported from **Damascus (89.79/100,000)** followed by **Quneitra** governorate (**87.15/1,000,000**), Homs governorate (**61.89/100,000**), **As-Sweida** governorate (**58.55/100,000**), **Lattakia** governorate (**44.67/100,000**), **Tartous** governorate (**33.43/100,000**), Aleppo (**32.39/100,100**), **Rural Damascus** (**22.63/100,000**), **Dar'a** governorate (**22.26/100,000**), **Hama** governorate (**18.63/100,000**), 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 – 08 November 2020, Syria.



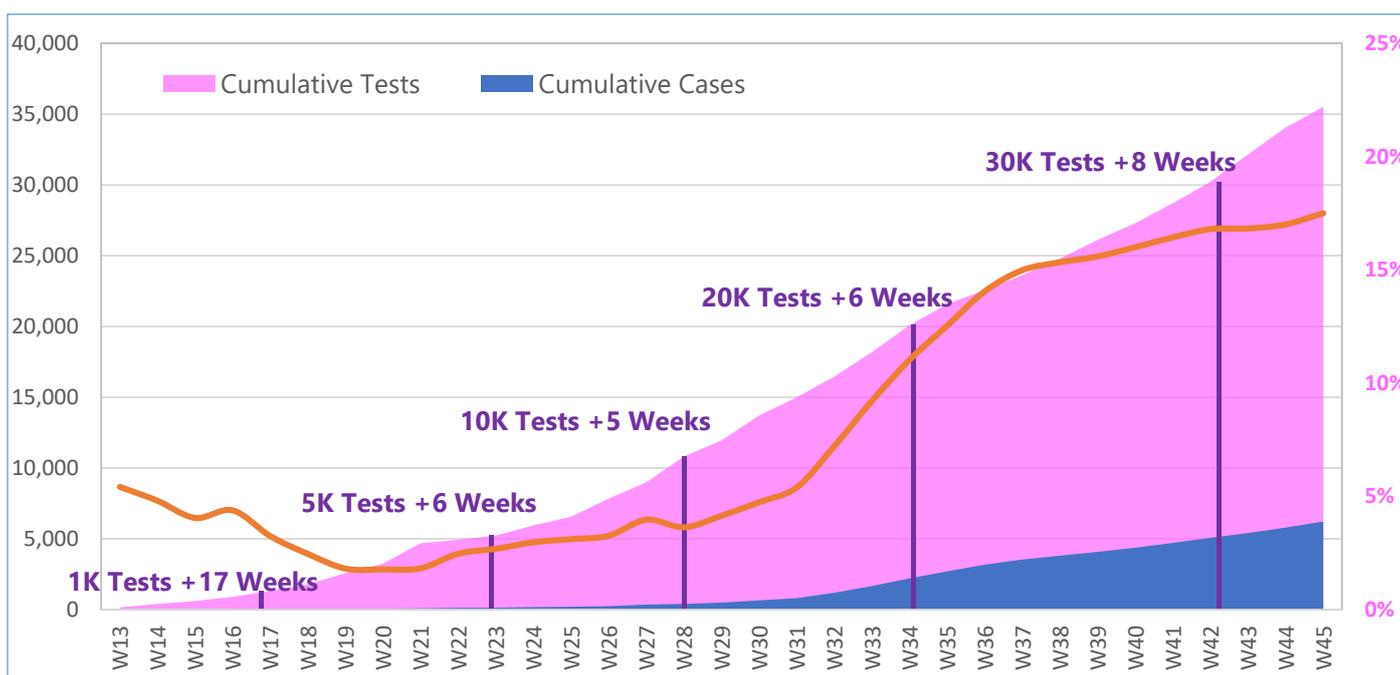
Between 23 March and 08 November 2020, according to the MOH, the total of **35,527** COVID-19 tests with the overall positivity rate of **17.5%** were conducted in Syria by **6** laboratories (Damascus, Rural Damascus, Homs, Lattakia and Aleppo), with overall **174.2/100,000**. The analysis of data on the two variables (number of tests and number of confirmed cases) in Syria showed correlation coefficient (**R**) between the two variables as **0.516**.

The graphs below are showing the daily number of COVID-19 conducted tests and daily number of confirmed cases, 23 March – 08 November 2020.

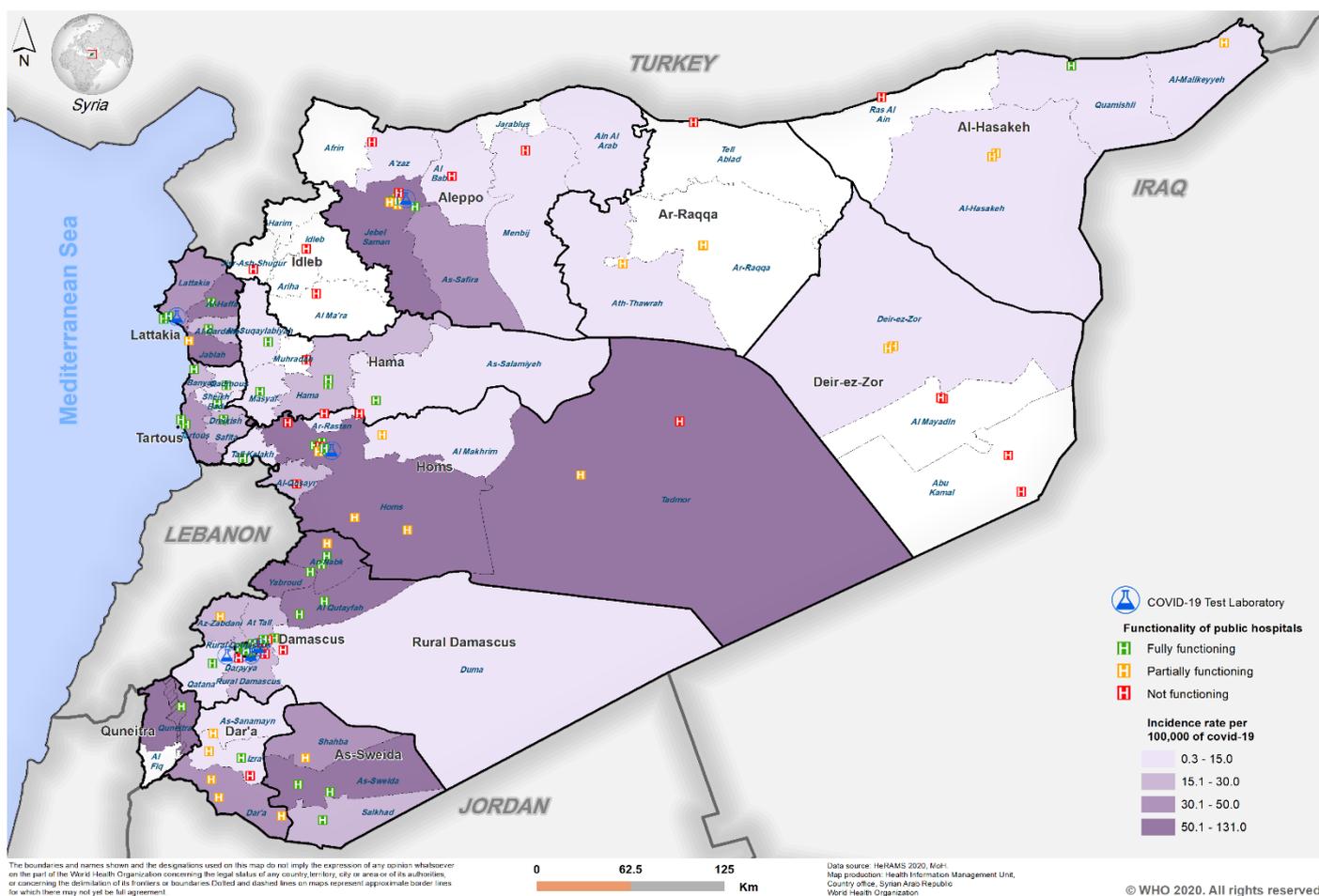


Out of the total **35,527** COVID-19 tests conducted since 23 March 2020 to 08 November 2020; the overall positivity rate was **17.5%**. Since the beginning of COVID-19 testing in Syria, the first 1,000 tests were conducted in 4 weeks, reaching 5,000 cases in 6 weeks, 10,000 tests in 5 weeks, 20,000 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 – 08 November 2020, Syria



The map below is showing COVID-19 Attack Rate (AR) by governorates and the location of COVID-19 laboratories, 23 March – 08 November 2020, Syria



2. Useful COVID-19 links:

WHO Syria, COVID-19 Dashboard (English):

<https://app.powerbi.com/view?r=eyJrIjojNmY5OGYzNDYtNjZhMy00MWlyLWlyMzctYzc4MmI3ZDNIODk5IiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZlOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjIh9>

WHO Syria, COVID-19 Dashboard (Arabic):

<https://app.powerbi.com/view?r=eyJrIjojNTA0NWxZmYtMDJiMC00ZWU0LTllNTktZTViZjYwYThjZmUzIiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZlOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjIh9>

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, 10 November 2020: <https://www.who.int/publications/m/item/weekly-epidemiological-update---10-november-2020>

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>.