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In this issue of Syria COVID-19 Morbidity and Mortality Summary (SMMS) N° 01:

- ✓ *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; and*
- ✓ *geographical distribution of COVID-19 attack rate (AR) per governorate.*

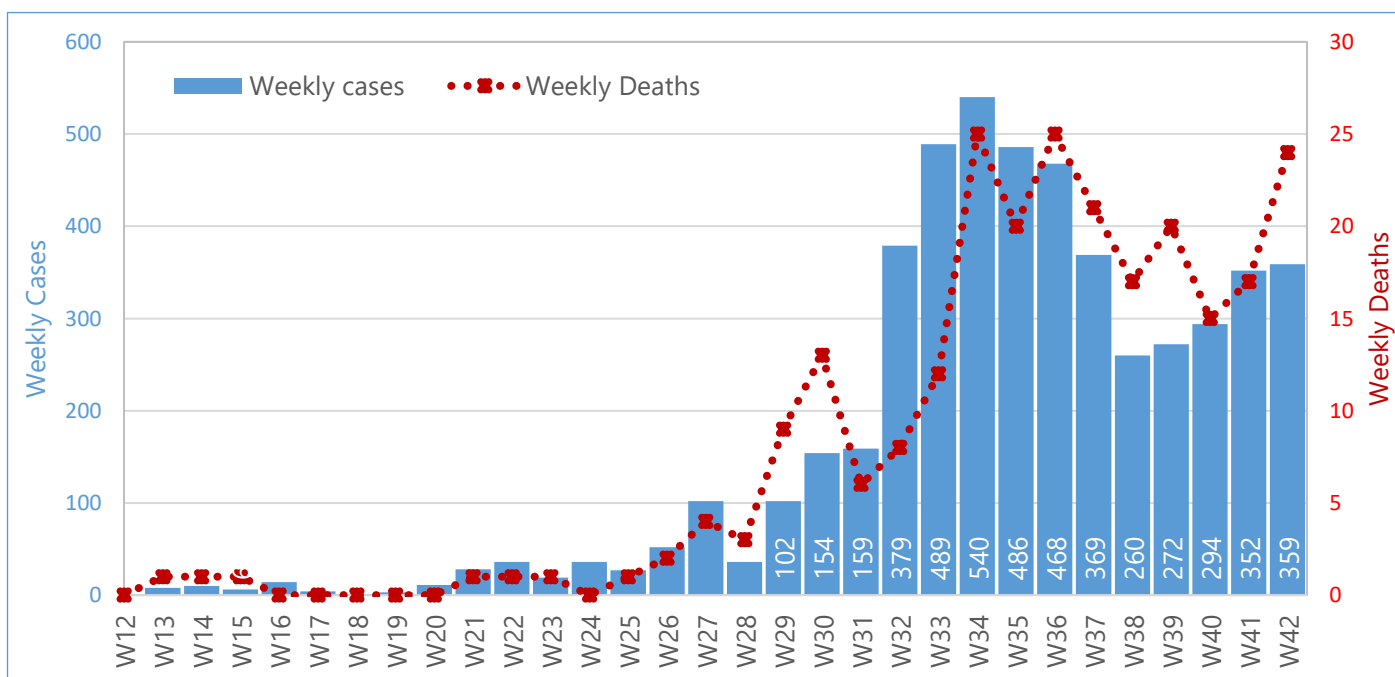
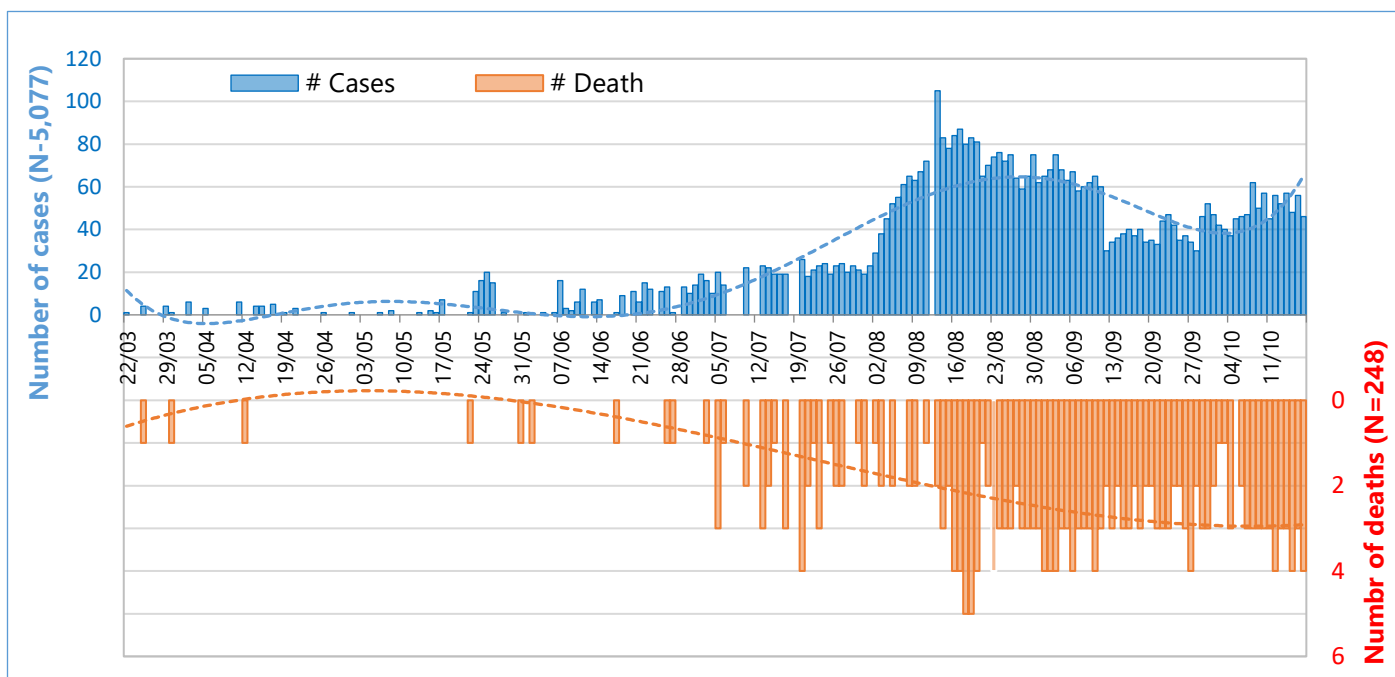
**This summary does not include analysis from the North-West and North-East due to data limitations*

Tested	Confirmed	Recovered	Dead	Active Cases
 30,120	 5,077	 1,528	 248	 3,301
Test/100,000	AR/100,000	Recovery Rate %	CFR%	Health Workers
147,69	24.89	30.1%	4.88%	193
COVID Hospitals	Isolation Beds	Quarantine Beds	ICU Beds	Ventilators
21	5,764	22,567	179	158

1. Surveillance and Laboratory

Between 23 March and 18 October 2020, according to the Ministry of Health (MOH) there were five-thousand-seventy-seven (5,077) COVID-19 cases¹ confirmed by rt-PCR, including two-hundred-forty-eight (248) related deaths. Case Fatality Ratio (CFR)² is 4.88%. In the reporting week (epidemiological week 42), in comparison to the previous epidemiological week, the number of new COVID-19 cases decreased by 2.0% (359 and 352 respectively) but weekly death cases increased by 41.2% (24 and 17 respectively).

The figures below are showing the daily and weekly distribution of reported confirmed COVID-19 cases and deaths, 23 March – 18 October 2020, Syria

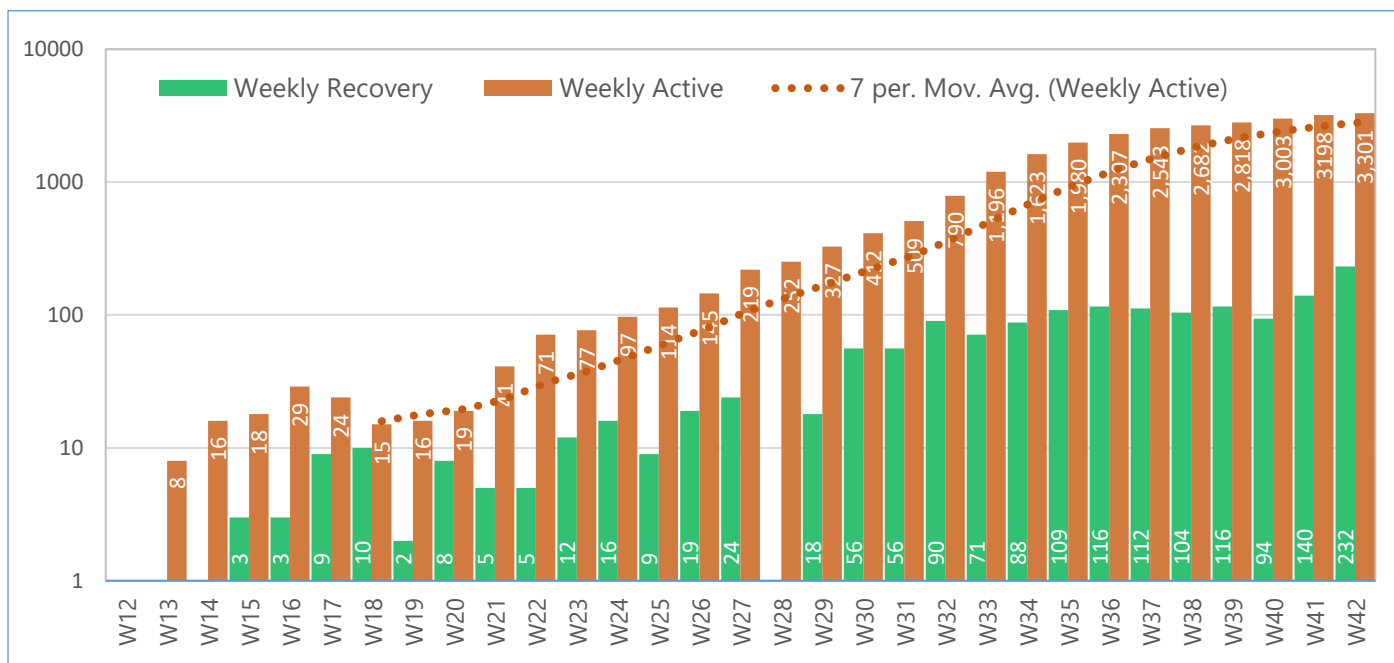


¹ WHO Syria COVID-19 Situation Reports present official counts of confirmed COVID-19 as announced by the MOH on the indicated date. Difference in data between the WHO reports and other sources can result from using different cutoff times for the aggregation and reporting of the total number of new cases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

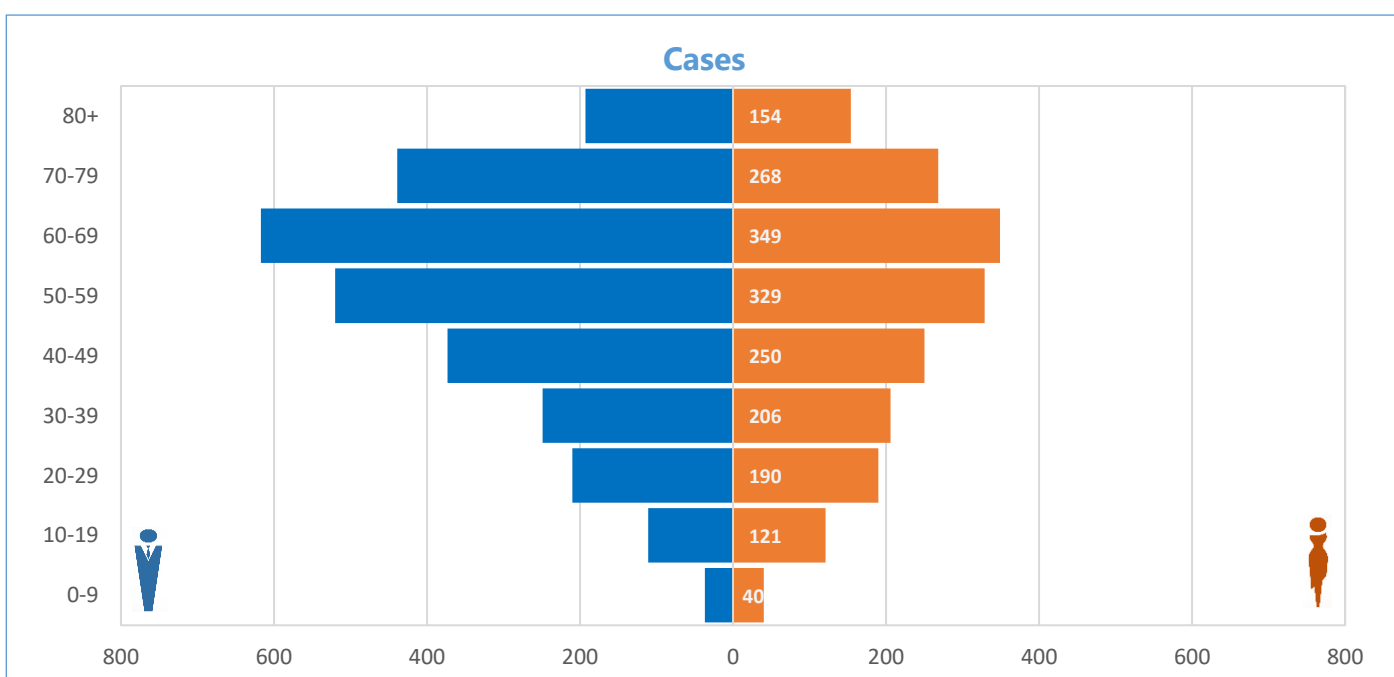
In the epidemiological week #42, the number of COVID-19 **active cases** increased by **3.5%**, in comparison to the previous week (**3,301** and **3,198**) and at the same time, the number of **recovered** COVID-19 cases increased by **65.7%** (**232** and **140** respectively).

The figure below is showing the weekly outcomes of the reported confirmed COVID-19 cases, 23 March – 18 October 2020, Syria



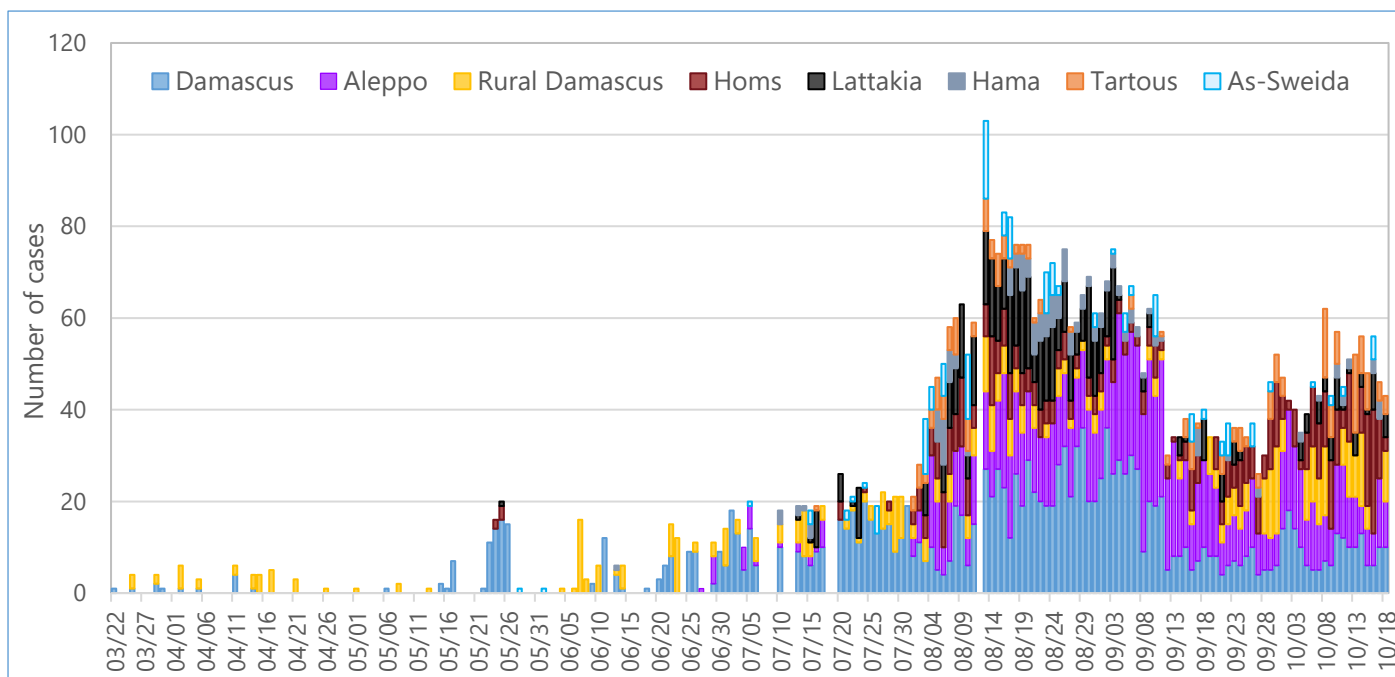
As of 18 October 2020, **43.3%** of all confirmed cases were registered among patients of 60 years old and above, **18.2%** - in the age group from 50 to 59 years old, **13.4%** - 40 to 49, **9.8%** -30 to 39 years, **8.6%** - 20-29 years, **5.0%** - 10-19 year-old and **1.7%** in the age group younger than 9 years. Males represented **59%** 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, 18 October 2020, Syria



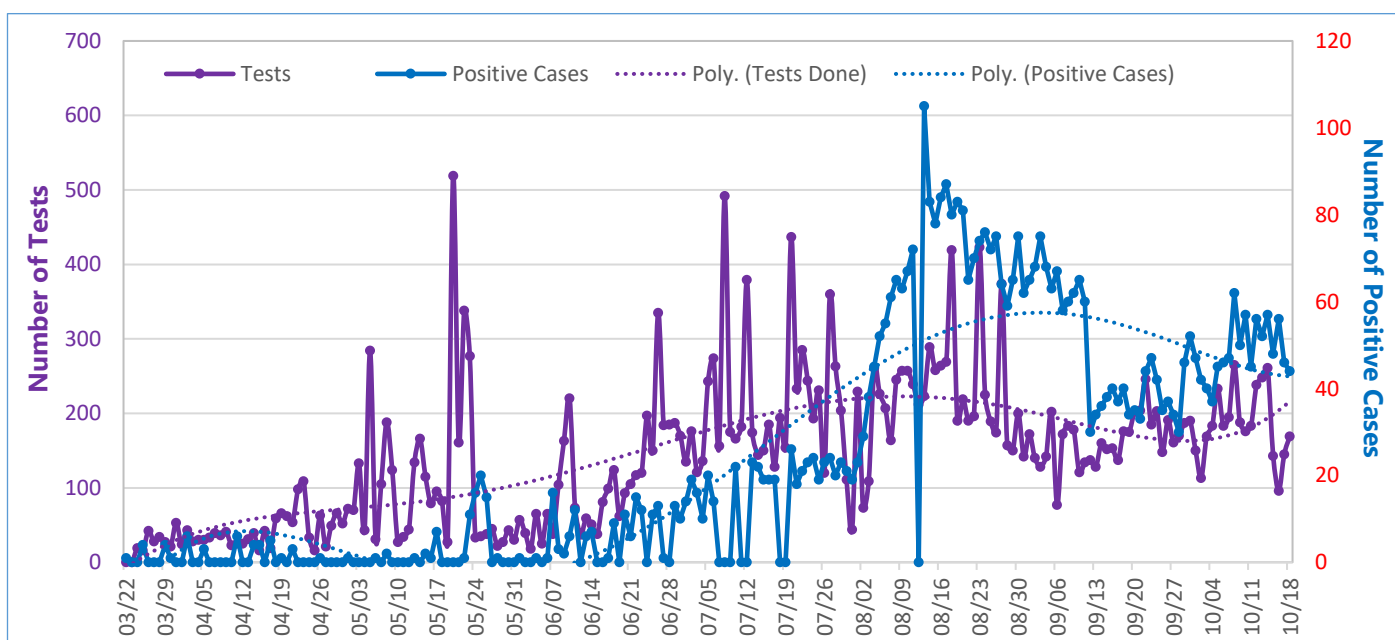
As of 18 October 2020, geographical distribution of confirmed reported COVID-19 cases was available on **100%** of cases (**5,077/5,077**). Of all cases, **31.0%** reported from the **Damascus** governorate, **23.7%** from **Homs**, **10.0%** - **Rural Damascus**, **10.6%**, - from **Lattakia**, **9.4%** - from **Tartous**, **4.1%** - from **Hama**, **3.1%**, - from **As-Sweida**, **3.1%** - from **Dar'a**, **2.2%**, from **Quneitra** **1.7%** and the remaining **0.7%**. **0.3%** and **0.1%** are from **Ar-Raqqa**, **Deir-ez-Zor** and **Al-Hasakeh** Governorates, respectively.

The figure below is showing the daily distribution of reported confirmed COVID-19 cases per governorate, 23 March – 18 October 2020, Syria

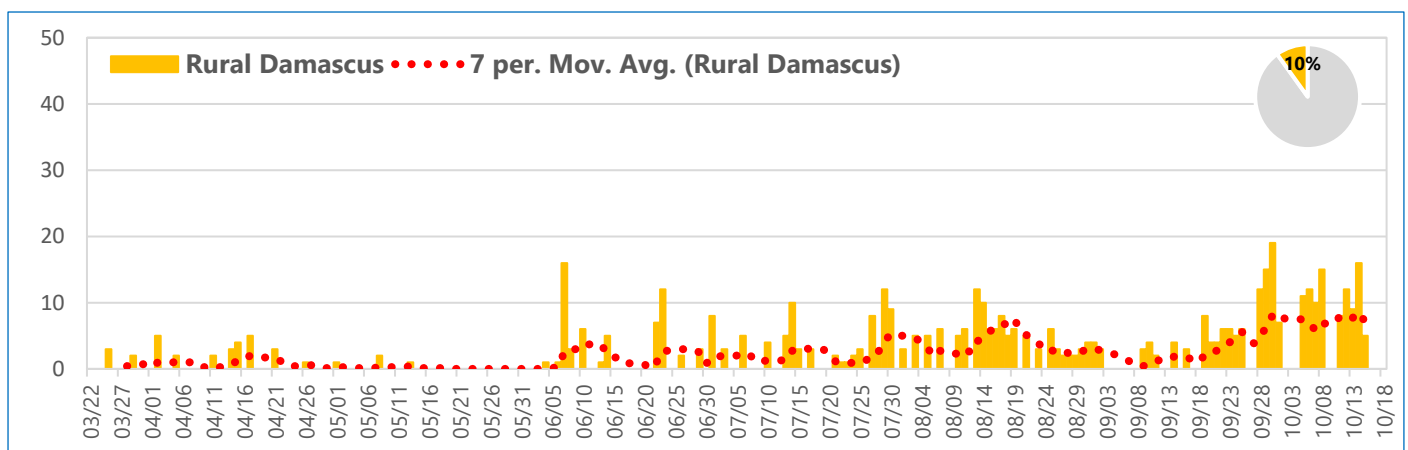
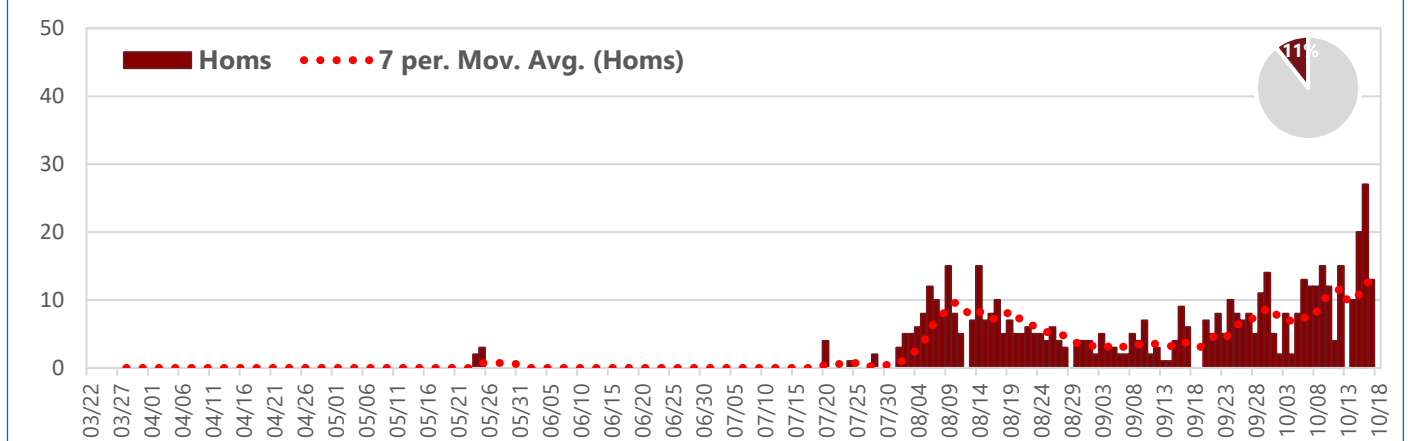
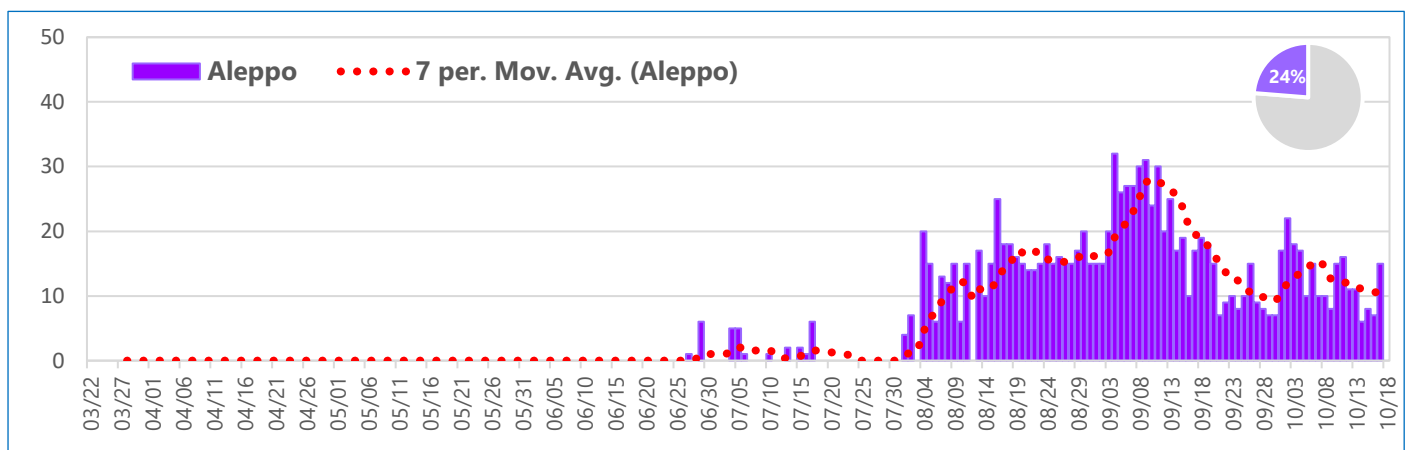
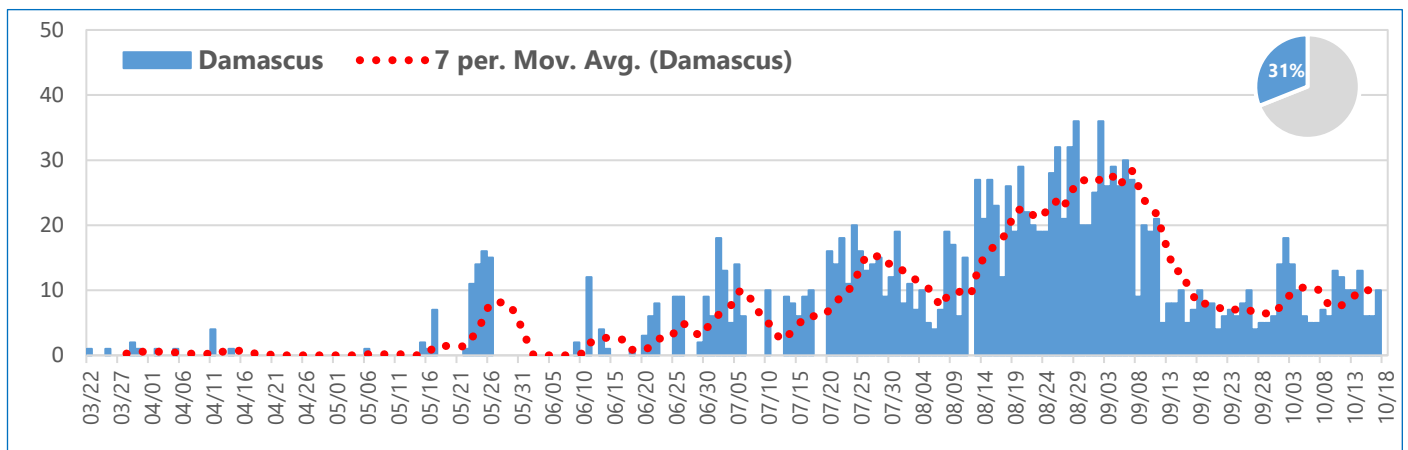


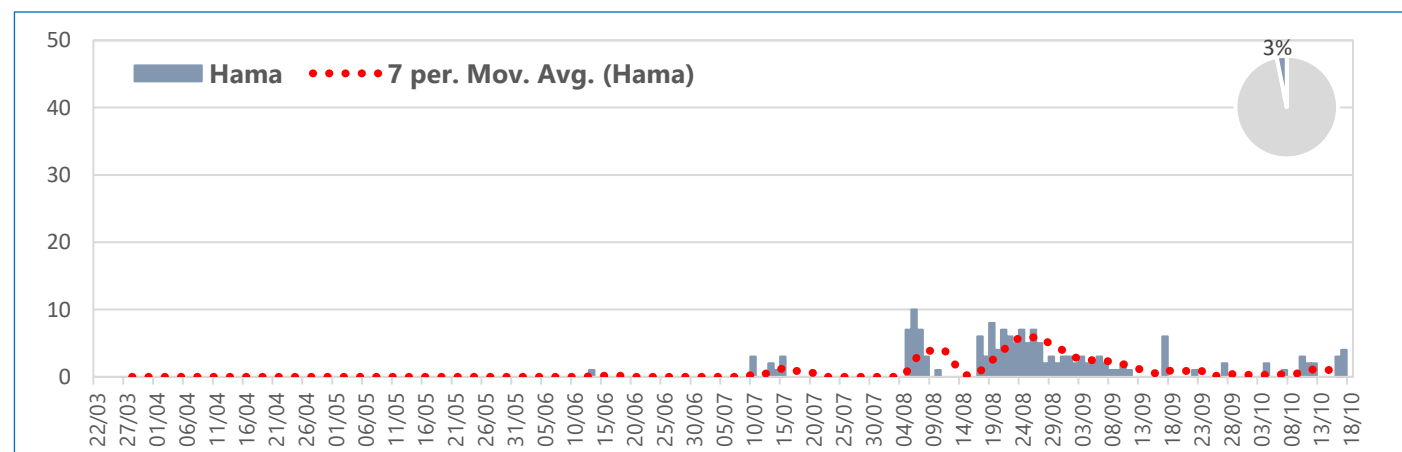
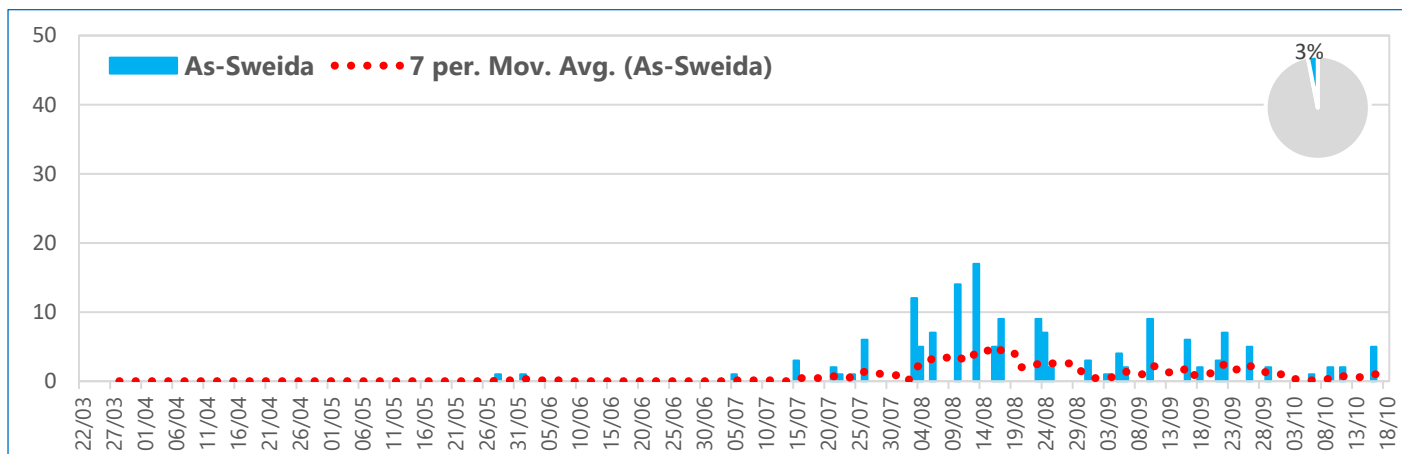
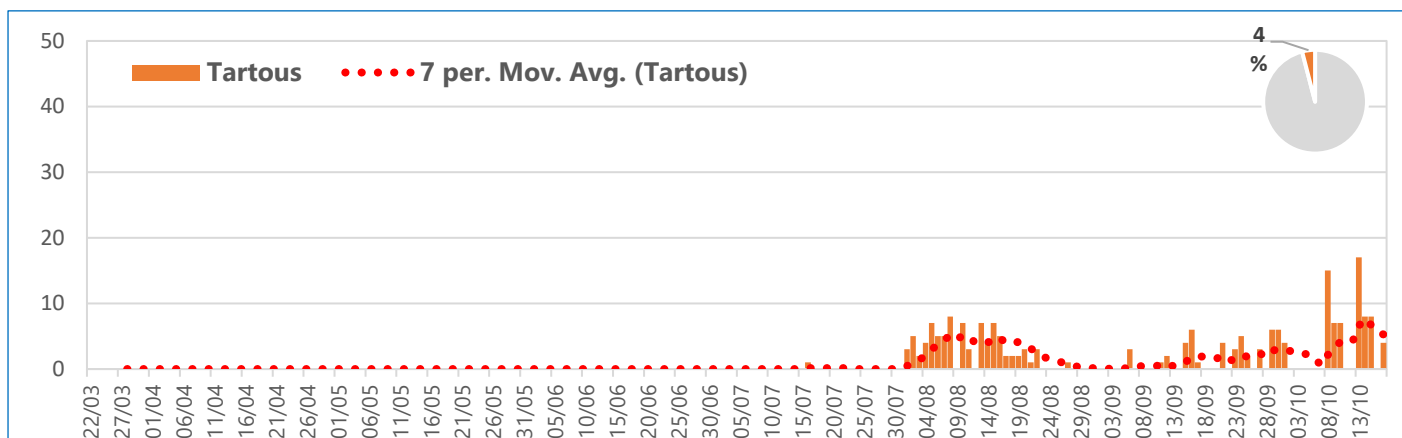
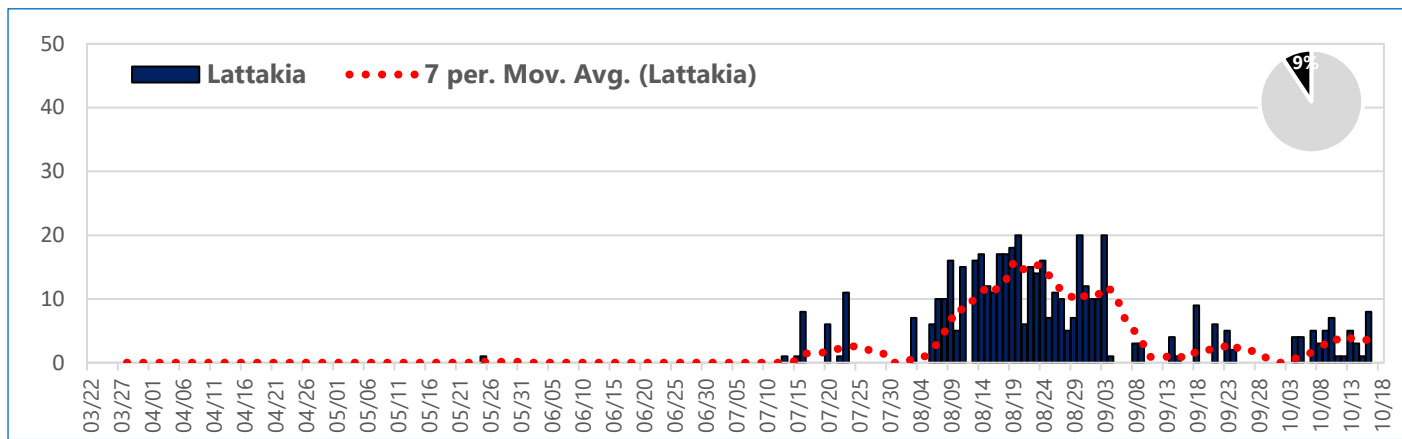
Between 23 March and 18 October 2020, according to the MOH, the total of **30,120** COVID-19 tests with the overall positivity rate of **16.9%** were conducted in Syria by **6** laboratories (Damascus, Rural Damascus, Homs, Lattakia and Aleppo). The COVID-19 testing coverage has been gradually increasing in Syria, currently reaching 139.4/100,000. 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 **0.49**.

The graphs below are showing the daily number of COVID-19 conducted tests and daily number of confirmed cases, 23 March – 18 October 2020, Syria



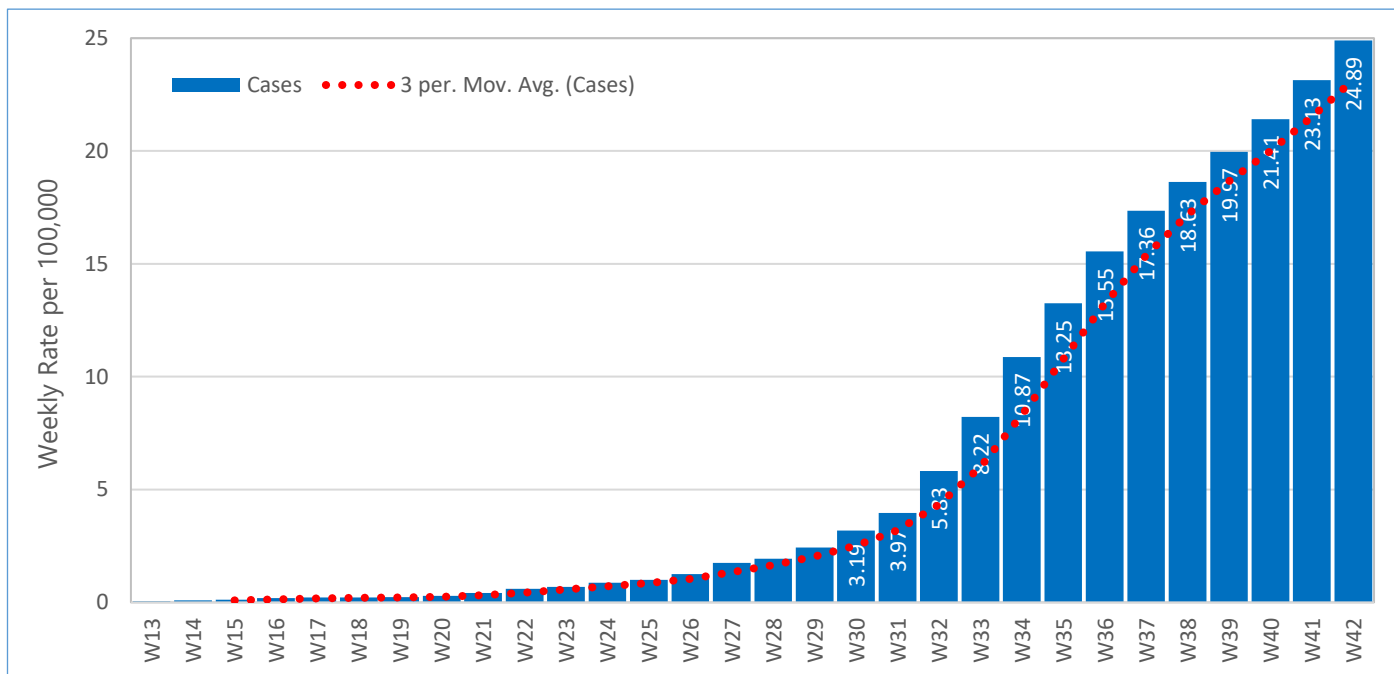
The figures below are showing the daily distribution of reported confirmed COVID-19 cases and rolling seven-day average per division, 23 March– 18 October 2020, Syria





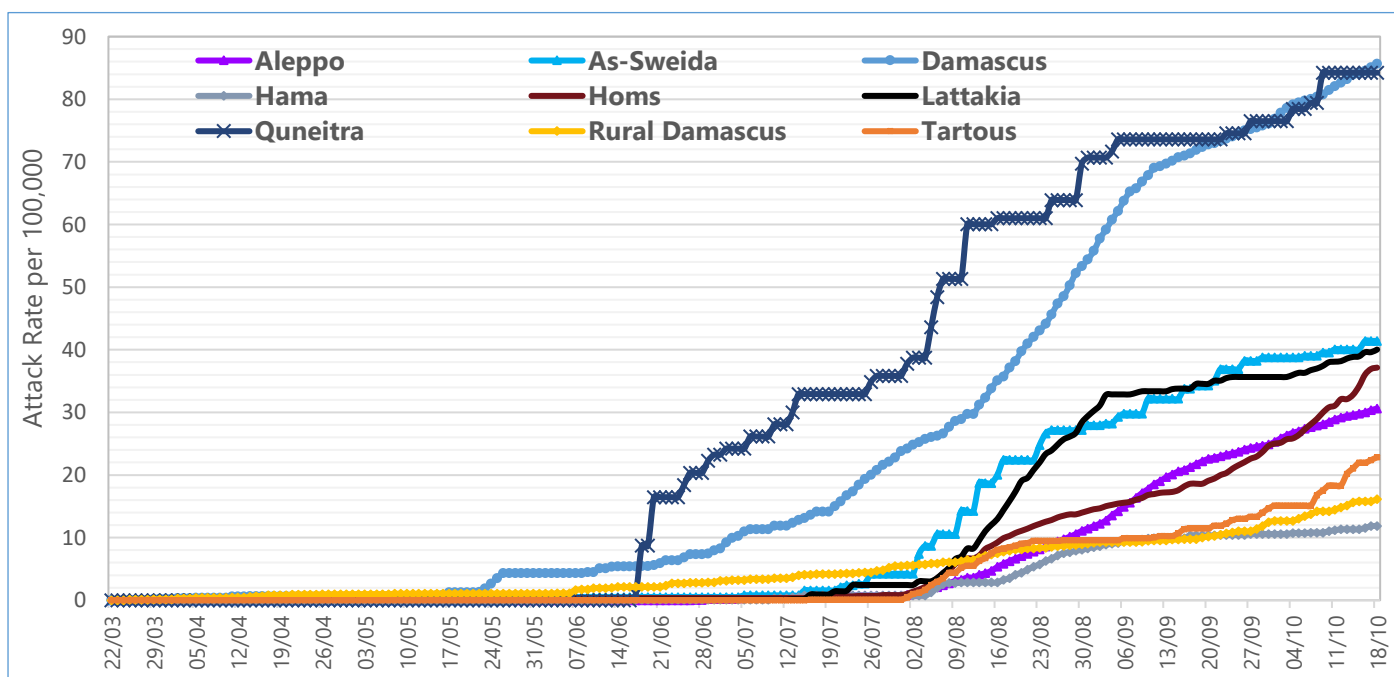
On 18 October 2020, the overall attack rate (AR) is **24.89** per 100,000 and **100% (13/13)** of governorates with the total population of 20,393,662 people have reported confirmed COVID-19 cases. In the reported week (epidemiological week 42), COVID-19 weekly AR increased by 1.7% in comparison to the previous week (24.89 and 23.13) respectively.

The figure below is showing the weekly COVID-19 attack rate (AR) per 100,000, 23 March –18 October 2020, Syria

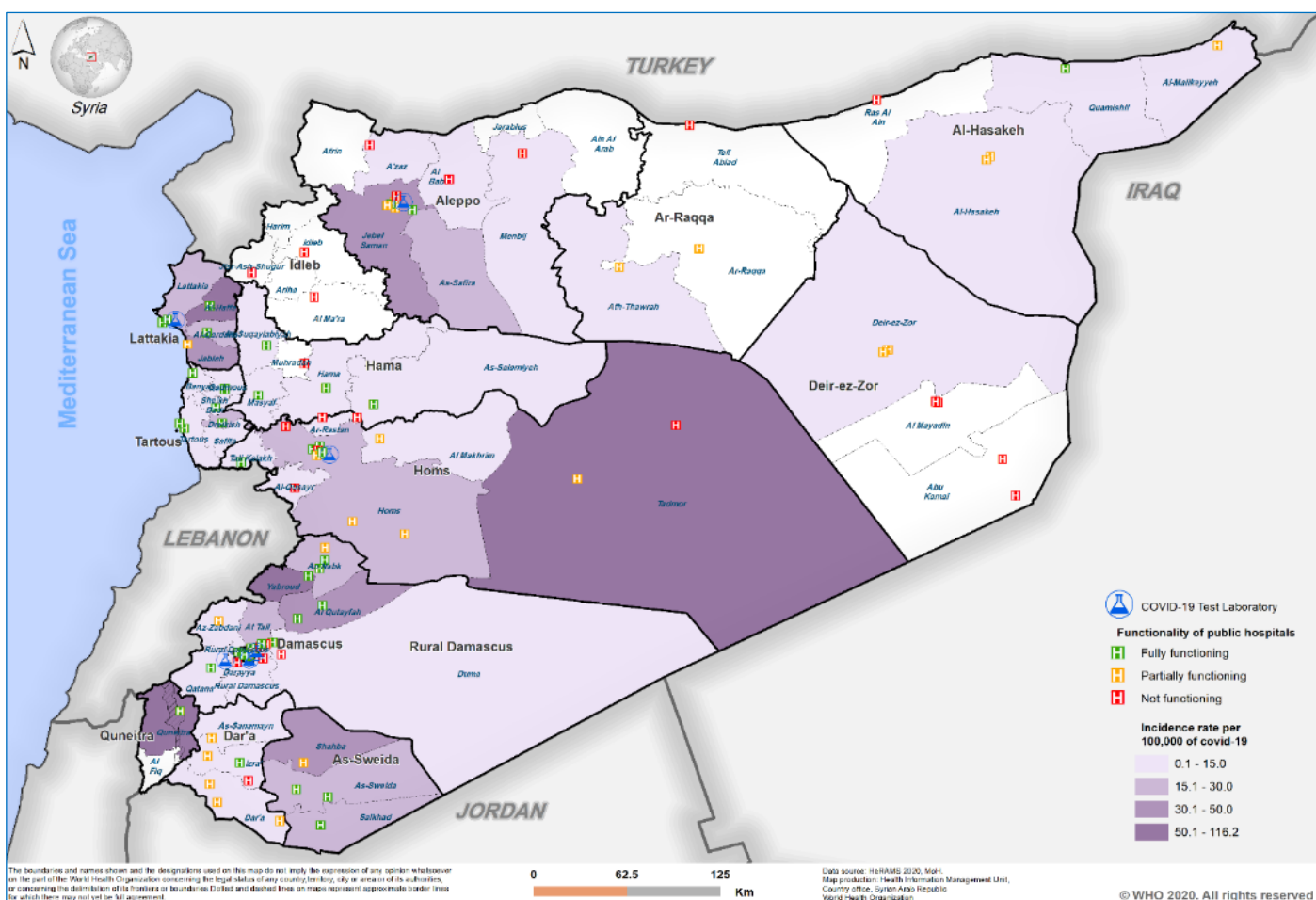


The highest AR is reported from **Damascus (85.65/100,000)** followed by **Quneitra governorate (84.25/1,000,000)**, **As-Sweida governorate (41.41/100,000)**, **Lattakia governorate (40.03/100,000)**, **Homs Governorate (37.15/100,000)**, **Tartous governorate (22.84/100,000)**, **Rural Damascus (16.14/100,000)**, **Hama (11.85/100,000)**, **Dar'a governorate (10.83/100,000)** and the lowest rate (**2.02/100,000**) in **Deir-ez-Zor governorate**.

The following figure is showing the COVID-19 attack rate per 100,000 population in selected governorates, 23 March – 18 October 2020, Syria.



The map below is showing COVID-19 Attack Rate (AR) by governorates and the location of COVID-19 laboratories, 23 March – 18 October 2020, Syria



2. Useful COVID-19 links:

WHO Syria, COVID-19 Dashboard (English):

<https://app.powerbi.com/view?r=eyJrIjoiNmY5OGYzNDYtNjZhMy00MWlyLWlyMzctYzc4MmI3ZDNIODk5IiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZlOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjI9>

WHO Syria, COVID-19 Dashboard (Arabic):

<https://app.powerbi.com/view?r=eyJrIjoiNTA0NWxZmYtMDJiMC00ZWU0LTllNTktZTViZjYwYThjZmUzIiwidCI6ImY2MTBjMGI3LWJkMjQ0NGZlOS04MTBiLTNkYzI4MGFmYjU5MCIslmMiOjI9>

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, 16 October 2020: <https://www.who.int/publications/m/item/weekly-update-on-covid-19---16-october-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>.