

# #25 : Urban Density

Thursday, 27 August 2020 | 09.00 AM EST – 09.00 SIN/KUL time



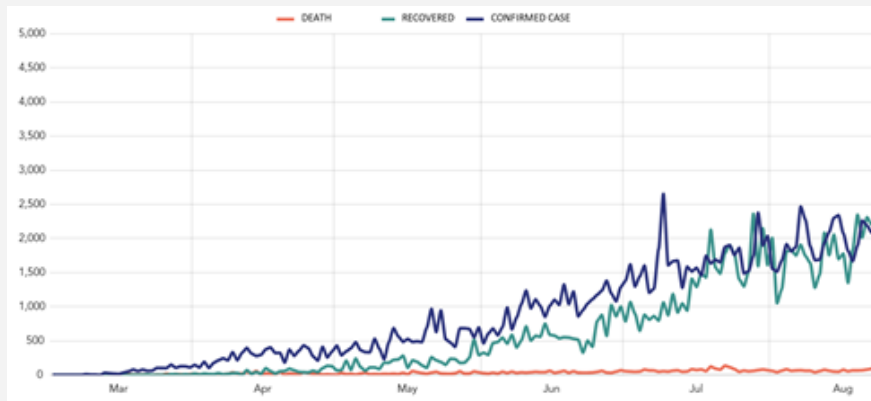
## BRIEF FACTS ABOUT COVID-19 CASES IN INDONESIA: DOES URBAN DENSITY MATTER?

# COVID-19 CASE IN INDONESIAN CITIES

City/Regency		Population Density/Km2	Risk Status	Confirmed Case
<b>Java Island</b>				
<b>Jakarta City (DKI Jakarta)</b>		<b>15804</b>	<b>Red zone</b>	<b>34295</b>
Peri-Urban Area	Depok	12403	Orange zone	3273
	South Tangerang	11525	Orange zone	728
	Tangerang	14197	Orange zone	799
	Bekasi	14190	Orange zone	807
Bandung City (West Java)		14932	Orange zone	704
Peri-Urban Area	Bandung Regency	2103	Orange zone	444
<b>Surabaya (East Java)</b>		<b>8233</b>	<b>Red zone</b>	<b>11539</b>
Peri-Urban Area	<b>Sidoarjo</b>	<b>3495</b>	<b>Red zone</b>	<b>4719</b>
	Gresik	1090	Orange zone	2484
Semarang City (Central Java)		4780	Orange zone	5555
Peri-Urban Area	Demak	1283	Orange zone	1172
	Kendal	962	Orange zone	497
	Semarang Regency	1099	Orange zone	373
<b>Kalimantan Island</b>				
<b>Medan City (North Sumatera)</b>		<b>8544</b>	<b>Red zone</b>	<b>3552</b>
Peri-Urban Area	<b>Deli Serdang</b>	<b>962</b>	<b>Red zone</b>	<b>793</b>
<b>Sulawesi Island</b>				
Makassar City (South Sulawesi)		8580	Orange zone	6629
Peri-Urban Area	Maros	216	Orange zone	340
	Gowa	404	Orange zone	1049

Data Source: <https://covid19.go.id/> and Provincial/City Websites, data used are per August 24<sup>th</sup>, 2020. Density data is from BPS – 2018.

## NUMBER OF CONFIRMED CASES



The development of Covid-19 confirmed cases on national level.

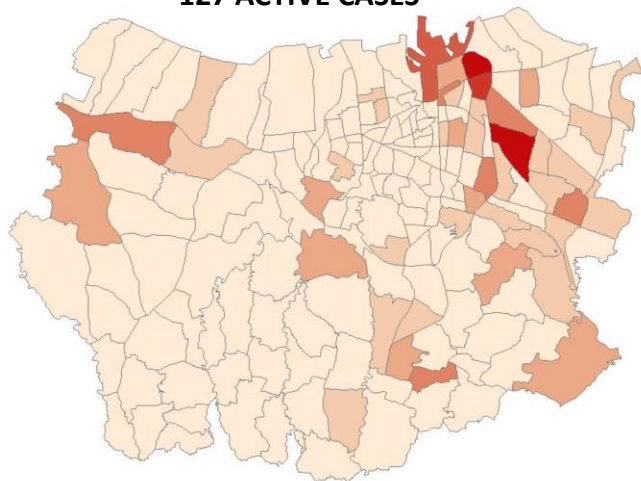
Important attention on **mega urban and metropolitan region** (in Java island).

Peri-urban areas are likely to have a **similar risk level** to its main city.

As a result of **high connectivity and mobility**.

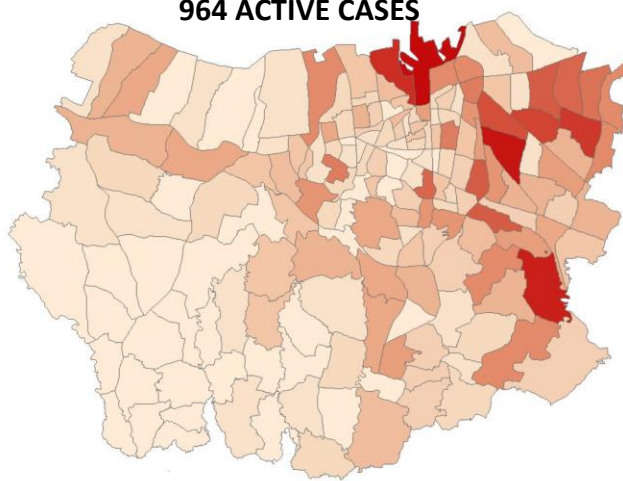
# COVID-19 CASE IN SEMARANG CITY

**JUNE 2<sup>ND</sup>, 2020**  
**127 ACTIVE CASES**



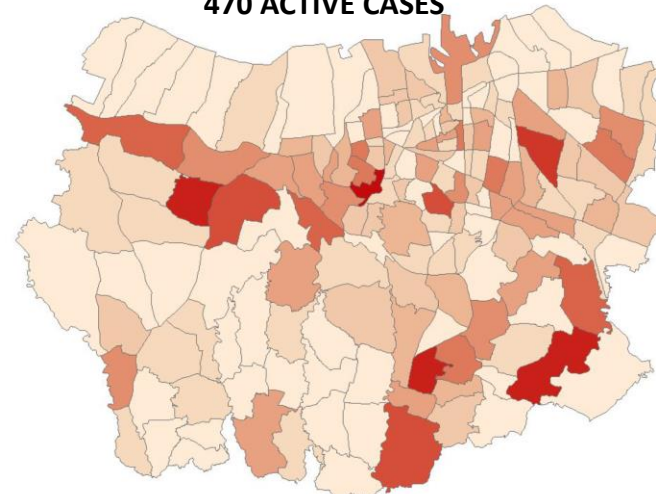
Affecting 14 *kelurahan* of 14 sub-districts.

**JULY 7<sup>TH</sup>, 2020**  
**PEAK RECORD,**  
**964 ACTIVE CASES**



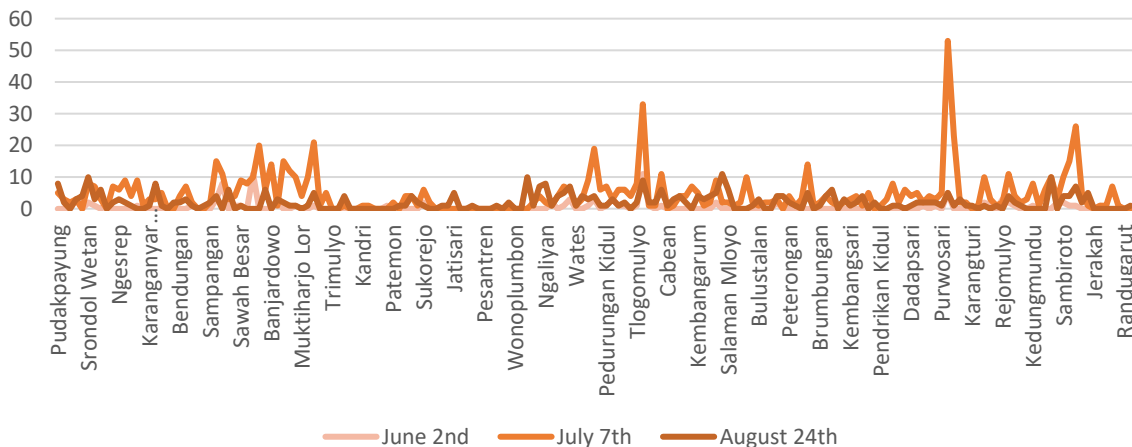
Affecting 138 *kelurahan* of 15 sub-districts.

**AUGUST 24<sup>TH</sup>, 2020**  
**470 ACTIVE CASES**



Affecting 116 *kelurahan* of 16 sub-districts.

Number of Active Cases



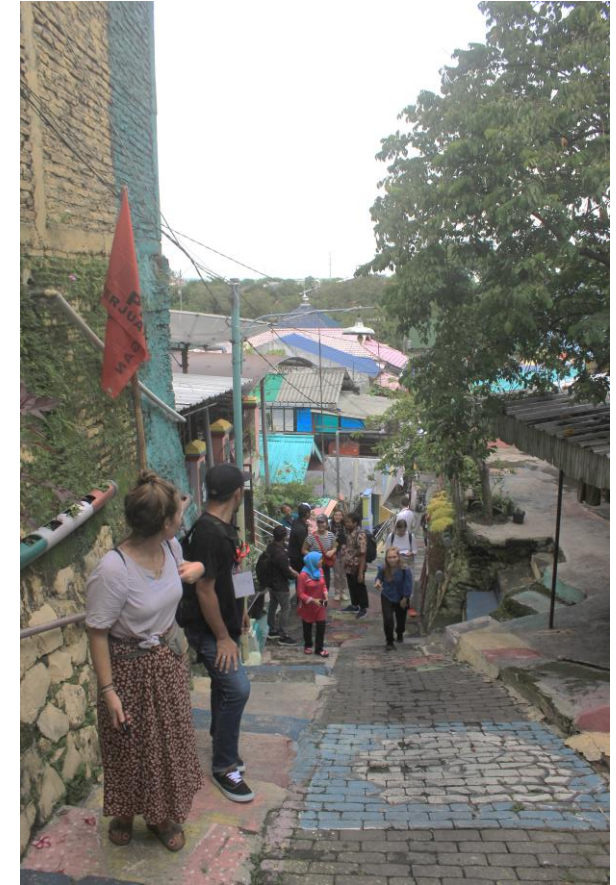
- From all 177 *kelurahan* in Semarang, only 18 of it are unaffected by Covid-19.
- Data show there is **no particular pattern** on how the number of cases move → **the density is almost evenly spread** and all part of the city are **well-connected** → ease of mobility **brings the risk to every part of the city.**
- While urban density plays a big role in the spread of Covid-19, another integral point is **people's awareness**, on how their daily activities and mobility could help reduce or increase the risk to Covid-19.

# URBAN SETTLEMENTS IN SEMARANG

Narrow spaces between houses used as mobility access is commonly found in urban kampong area in Semarang City. Proximity in a high density settlement with restricted access to open area or proper air circulation could factor into the transmission of Covid-19. Therefore a better spatial planning is integral to build community resilience facing the pandemic.



Urban kampong settlement in Semarang  
Aerial look of high-density urban settlement in city central





# SPEAKER SERIES

