



KCDC

Korea Centers for Disease  
Control & Prevention

# The Updates of COVID-19 in Republic of Korea

As of 10 March, 2020

- As of 0:00, 10 March, 2020, The total number of confirmed cases is 7,513 with 247 cases discharged from isolation.

Period (since 3 January)	Total	Confirmed cases				Suspected cases		
		Sub total	discharged	isolated	Deceased	Sub total	being tested	tested negative
As of 0:00, 9. March.	196,618	7,382	166	7,165	51	189,236	17,458	171,778
As of 0:00, 10 March	210,144	7,513	247	7,212	54	202,631	18,452	184,179
Differences	+13,526	+131	+81	+47	+3	+13,395	+994	+12,401

- The regional distribution of total confirmed cases are as follows.

	City							
	Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
Isolated	110	86	5,533	10	12	17	23	8
Discharged	31	10	92	3	3	1	1	0
Deceased	0	0	38	0	0	0	0	0
Sub-total	141	96	5,663	13	15	18	24	8
Differences	(11)	(0)	(92)	(4)	(0)	(-1)	(0)	(2)

	Province								
	Gyeong-gi	Gang-won	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam	Jeju
Isolated	140	21	22	103	5	3	1,043	73	3
Discharged	22	6	3	1	2	1	60	10	1
Deceased	1	1	0	0	0	0	14	0	0
Sub-total	163	28	25	104	7	4	1,117	83	4
Differences	(11)	(0)	(0)	(2)	(0)	(0)	(10)	(0)	(0)



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- 80.2% of the total cases have epidemiological links and 19.8% are either sporadic cases or under investigation.

Regions	sub-total	Epidemiological links		Others*	Newly confirmed**
		n(%)	Details		
Seoul	141	97 (68.8%)	Related to : Eunpyeong St. Mary's Hospital(14), Seondongu APT(13), Jongno Community Center(10), Shincheonji(5), Dong-An church(4) etc.	44 (31.2%)	11
Busan	96	69 (71.9%)	Related to : Onchun Church(34), Sbincheonji(11), Kingdergarden(6), Haewundegu Cathedral (6), Private academy(4), Daenam Hospital(1)	27 (28.1%)	0
Daegu	5,663	4,676 (82.6%)	Related to : Shincheonji(4,085), contacts of the confirmed cases(589), Daenam Hospital(2)	987 (17.4%)	92
Incheon	13	5 (38.5%)	Related to : Shincheonji(2), contacts of the confirmed cases(2), the existing imported cases(1)	8 (61.5%)	4
Gwangju	15	10 (66.7%)	Related to : Shincheonji(9), the existing imported cases(1)	5 (33.3%)	0
Daejeon	18	10 (55.6%)	Contacts of the confirmed cases(8), Shincheonji(2)	8 (44.4%)	-1
Ulsan	24	15 (62.5%)	Related to Shincheonji(12), the existing imported cases(3)	9 (37.5%)	0
Sejong	8	8 (100.0%)	Related to : Gym(7), Shincheonji(1)	0 (0.0%)	2
Gyeonggi	163	126 (77.3%)	Related to : Shincheonji(26), Suwon Seongmyeongsam Church(10), Bundang medical center(13), existing imported cases(6)	37 (22.7%)	11
Gangwon	28	15 (53.6%)	Related to Shincheonji(15)	13 (46.4%)	0
Chungbuk	25	21 (84.0%)	Related to Shincheonji(10), Goesan senior community center(10), contacts of the confirmed cases(1)	4 (16.0%)	0
Chungnam	104	99 (95.2%)	Related to the gym in Cheonan(99)	5 (4.8%)	2
Jeonbuk	7	4 (57.1%)	Contacts of the confirmed cases(2), Related to the existing imported cases(1), Shincheonji(1)	3 (42.9%)	0
Jeonnam	4	2 (50.0%)	Related to : Shincheonji(1), existing imported cases(1)	2 (50.0%)	0
Gyeongbuk	1117	814 (72.9%)	Related to : Shincheonji(500), Daenam Hospital (119), Pilgrimage to Israel(49), Milal Shelter(24) etc	303 (27.1%)	10
Gyeongnam	83	55 (66.3%)	Related to : Shincheonji(29), Geochang Church(10), Hanmaeum Changwon Hospital(7),	28 (33.7%)	0



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		n(%)	Details		
			Busan Onchun Church(2), Karaoke(7)		
Jeju	4	- -		4 (100%)	0
Total	<b>7,513</b>	6,026 (80.2%)	62.7% related to Shincheonji(4,710)	1,487 (19.8%)	131

※ The interim classification is based on the reporting location, which may change depending on further epidemiological investigation.

- In Seoul, 50 cases have confirmed at call center in Gurogu and investigation is underway. 46 except contact of family among confirmed cases have worked at 11<sup>th</sup> call center. 207 employers are under investigation.
- KCDC National institute of Health(K-NIH) said that they successfully developed a probe to detect COVID-19 antibody in the blood on 10 March. Techniques to identify whether body's immune system can produce antibodies against antigen are essential for evaluating the efficacy of vaccines or therapeutics.
- K-NIH has established a test (Immunofluorescence Assay, IFA) to examine the human body's immunological response on the blood obtained from COVID-19 patients. K-NIH plans to accelerate the development of related therapeutics based on the development of a probe to detect COVID-19 antibody.
- KCDC urges to local government to cooperate with facilities as cases are confirmed around group facilities, multi-use facilities, and medical centers. Also KCDC recommends everyday preventive actions to help prevent the spread of respiratory diseases, and social distancing to avoid population crowding or cancel/suspend gathering activities.



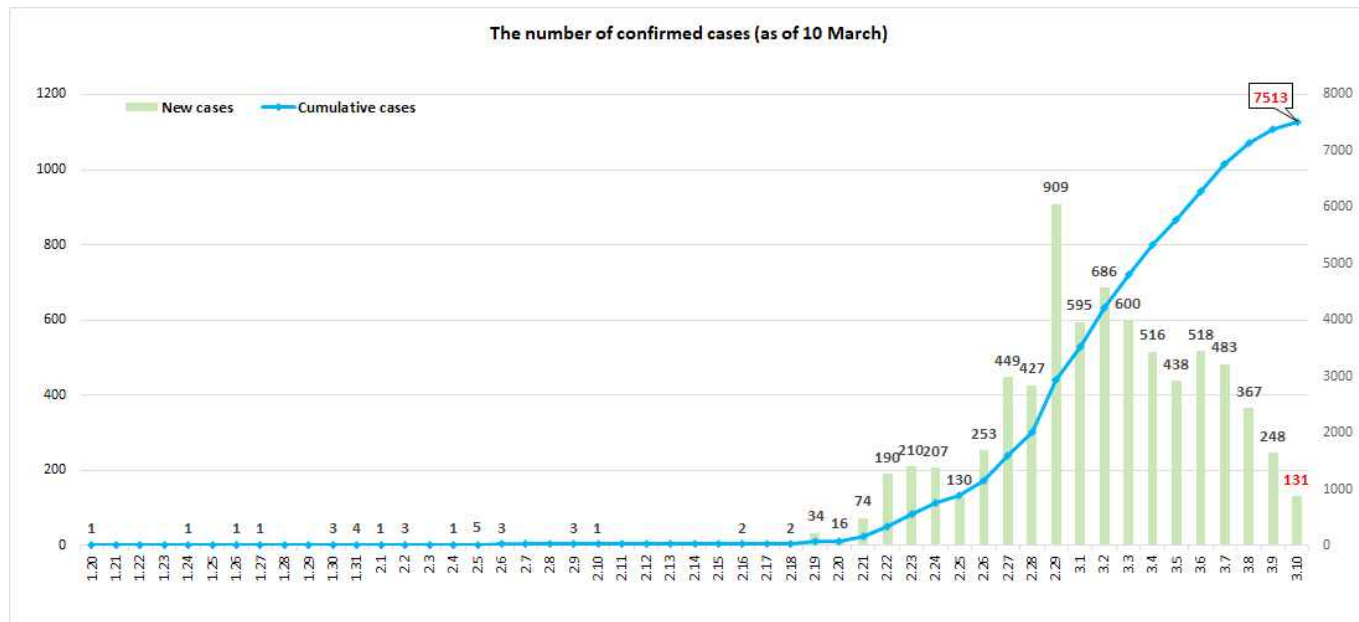
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- The confirmed cases by date, by region, by gender and age shown in the graph and tables as below;



- Cases Distribution by region

Region	No. of cases	(%)	Incidence rate(per 0.1M)	Region	No. of cases	(%)	Incidence rate(per 0.1M)
Seoul	141	(1.88)	1.45	Gyeonggi	163	(2.17)	1.23
Busan	96	(1.28)	2.81	Gangwon	28	(0.37)	1.82
Daegu	5,663	(75.38)	232.42	Chungbuk	25	(0.33)	1.56
Incheon	13	(0.17)	0.44	Chungnam	104	(1.38)	4.90
Gwangju	15	(0.20)	1.03	Jeonbuk	7	(0.09)	0.39
Daejeon	18	(0.24)	1.22	Jeonnam	4	(0.05)	0.21
Ulsan	24	(0.32)	2.09	Gyeongbuk	1,117	(14.87)	41.95
Sejong	8	(0.11)	2.34	Gyeongnam	83	(1.10)	2.47
				Jeju	4	(0.05)	0.60
				Total	7,513	(100.0)	14.49



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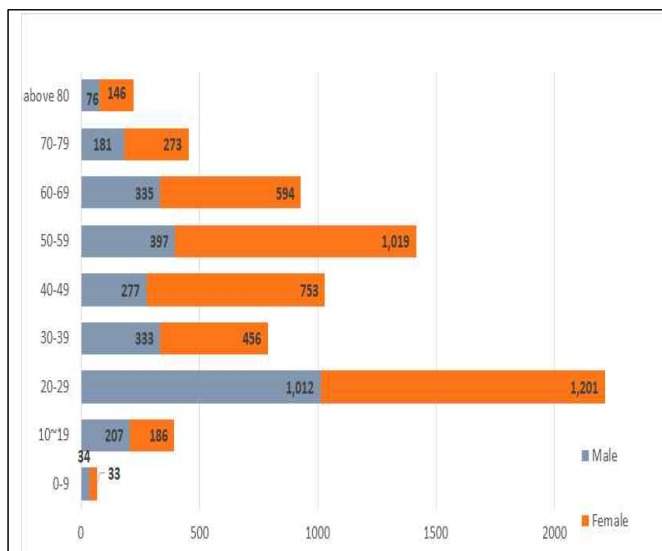
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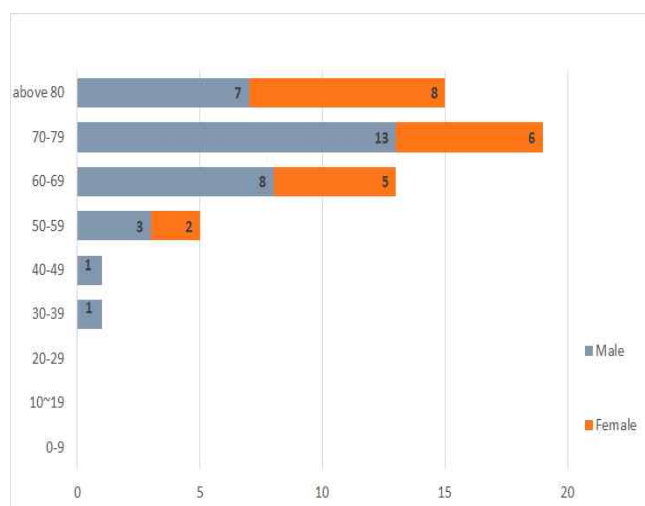
## ○ Cases Distribution by gender and age

Classification		Cases (%)		Death cases (%)		Fatality rate (%)
Total		7,513	(100.0)	54	(100.0)	0.7
Sex	Male	2,852	(38.0)	33	(61.1)	1.2
	Female	4,661	(62.0)	21	(38.9)	0.5
Age	above 80	222	(3.0)	15	(27.8)	6.8
	70-79	454	(6.0)	19	(35.2)	4.2
	60-69	929	(12.4)	13	(24.1)	1.4
	50-59	1,416	(18.8)	5	(9.3)	0.4
	40-49	1,030	(13.7)	1	(1.9)	0.1
	30-39	789	(10.5)	1	(1.9)	0.1
	20-29	2,213	(29.5)	0	(0.0)	-
	10-19	393	(5.2)	0	(0.0)	-
	0-9	67	(0.9)	0	(0.0)	-

## ○ Age and Deaths distribution of cases



Age distribution of confirmed cases



Death distribution of confirmed cases



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## ○ Cases Distribution by Special management region

