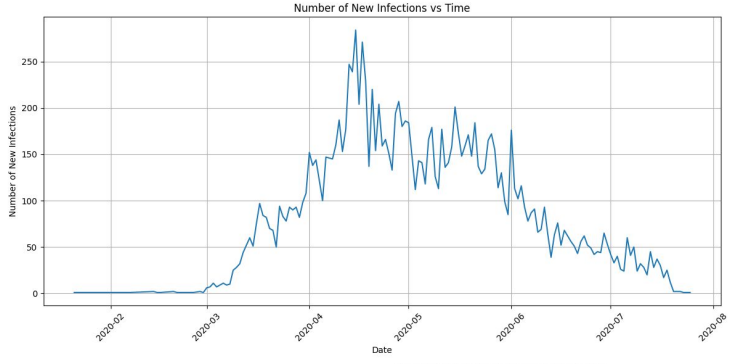
Toronto COVID Dataset Exploration

Preview of Data

	_id	Assigned_ID	Outbreak Associated	Age Group	Neighbourhood Name	FSA	Source of Infection	Classification	Episode Date	Reported Date	Client Gender	Outcome	Currently Hospitalized	Currently in ICU	Currently Intubated	Ever Hospitalized	Ever in ICU	Ever Intubated
0	15339	1	Sporadic	50 to 59 Years	Willowdale East	M2N	Travel	CONFIRMED	2020-01-22	2020-01-23	FEMALE	RESOLVED	No	No	No	No	No	No
1	15340	2	Sporadic	50 to 59 Years	Willowdale East	M2N	Travel	CONFIRMED	2020-01-21	2020-01-23	MALE	RESOLVED	No	No	No	Yes	No	No
2	15341	3	Sporadic	20 to 29 Years	Parkwoods-Donalda	M3A	Travel	CONFIRMED	2020-02-05	2020-02-21	FEMALE	RESOLVED	No	No	No	No	No	No
3	15342	4	Sporadic	60 to 69 Years	Church-Yonge Corridor	M4W	Travel	CONFIRMED	2020-02-16	2020-02-25	FEMALE	RESOLVED	No	No	No	No	No	No
4	15343	5	Sporadic	60 to 69 Years	Church-Yonge Corridor	M4W	Travel	CONFIRMED	2020-02-20	2020-02-26	MALE	RESOLVED	No	No	No	No	No	No
5	15344	6	Sporadic	50 to 59 Years	Newtonbrook West	M2R	Travel	CONFIRMED	2020-02-24	2020-02-27	MALE	RESOLVED	No	No	No	No	No	No
6	15345	7	Sporadic	80 to 89 Years	Milliken	M1V	Travel	CONFIRMED	2020-02-20	2020-02-28	MALE	RESOLVED	No	No	No	No	No	No
7	15346	8	Sporadic	60 to 69 Years	Willowdale West	M2N	Travel	CONFIRMED	2020-02-21	2020-03-04	MALE	RESOLVED	No	No	No	Yes	No	No
8	15347	9	Sporadic	50 to 59 Years	Willowdale East	M2N	Travel	CONFIRMED	2020-02-29	2020-02-29	MALE	RESOLVED	No	No	No	No	No	No
9	15348	10	Sporadic	60 to 69 Years	Henry Farm	M2J	Travel	CONFIRMED	2020-02-26	2020-03-01	MALE	RESOLVED	No	No	No	No	No	No

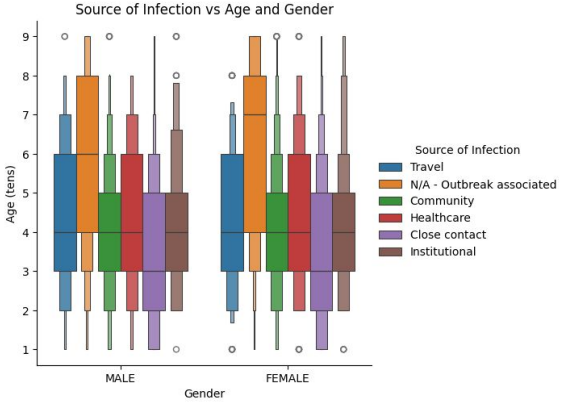


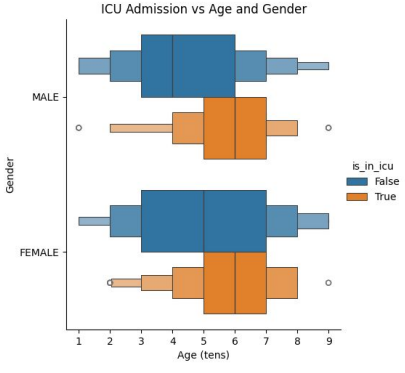
Background

- Dataset provided by Toronto Public Health

- 15432 observations of confirmed or probable cases of COVID-19 in Toronto up to July 30, 2020

- Each observation consists of 18 values describing the case, such as age group, gender, source of infection, ICU admission, intubation, and outcome



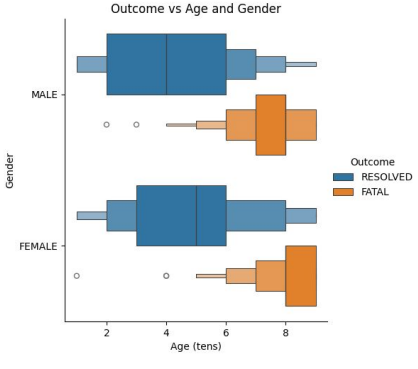


Observations

- Patient age highly correlates with outcome; older patients had more severe cases and higher rates of mortality

- Gender was not a significant factor in outcome or infection source

- Patient age also correlated to source of infection

  - Young people would more likely contract COVID from close contact

  - Outbreak associated infections were more common among older populations, likely from nursing home outbreaks