

Comorbidities and COVID-19 in Mexico

A Comprehensive Data Analysis

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July 2020

Section 1

Results

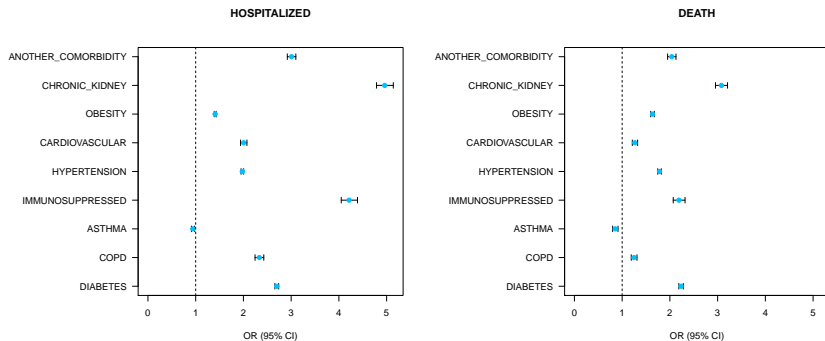
Subsection 1

Logistic Regression

National-Level Findings

Odds-Ratios Plots

Adjusted Odds-Ratios of Patient Outcomes at the National-Level*



*Adjusted for Sex, Smoking, and Age Groups.

Odds-Ratios Table

Table 1: Odds-ratios table for Hospitalizations.

	exp(coef)	lower .95	upper .95	Pr(> z)
DIABETES	2.699	2.660	2.739	0.000
COPD	2.333	2.243	2.427	0.000
ASTHMA	0.943	0.910	0.977	0.001
IMMUNOSUPPRESSED	4.216	4.049	4.389	0.000
HYPERTENSION	1.977	1.950	2.005	0.000
CARDIOVASCULAR	2.006	1.940	2.073	0.000
OBESITY	1.409	1.388	1.429	0.000
CHRONIC_KIDNEY	4.961	4.789	5.140	0.000
ANOTHER_COMORBIDITY	3.007	2.919	3.098	0.000

Odds-Ratios Table

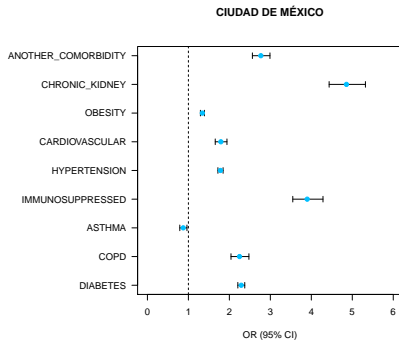
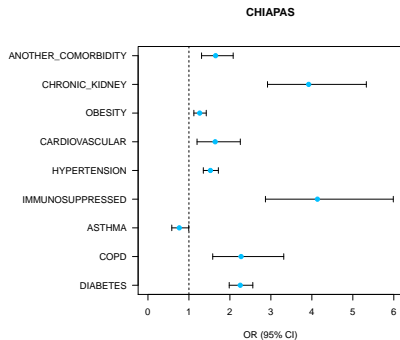
Table 2: Odds-ratios table for Deaths.

	exp(coef)	lower .95	upper .95	Pr(> z)
DIABETES	2.234	2.188	2.281	0
COPD	1.249	1.191	1.310	0
ASTHMA	0.856	0.801	0.913	0
IMMUNOSUPPRESSED	2.191	2.070	2.317	0
HYPERTENSION	1.782	1.746	1.819	0
CARDIOVASCULAR	1.267	1.212	1.324	0
OBESITY	1.635	1.599	1.673	0
CHRONIC_KIDNEY	3.079	2.955	3.208	0
ANOTHER_COMORBIDITY	2.038	1.952	2.128	0

Case Study Findings

Odds-Ratios Plots

Adjusted Odds-Ratios of Hospitalized in Mexican States*



*Adjusted for Sex, Smoking, and Age Groups.

Odds-Ratios Table

Table 3: Odds-ratios table for Chiapas.

	exp(coef)	lower .95	upper .95	Pr(> z)
DIABETES	2.253	1.983	2.559	0.000
COPD	2.273	1.581	3.314	0.000
ASTHMA	0.765	0.582	0.995	0.050
IMMUNOSUPPRESSED	4.136	2.867	5.988	0.000
HYPERTENSION	1.524	1.351	1.719	0.000
CARDIOVASCULAR	1.641	1.198	2.254	0.002
OBESITY	1.263	1.121	1.423	0.000
CHRONIC_KIDNEY	3.923	2.918	5.330	0.000
ANOTHER_COMORBIDITY	1.651	1.308	2.080	0.000

Odds-Ratios Table

Table 4: Odds-ratios table for Ciudad de México.

	exp(coef)	lower .95	upper .95	Pr(> z)
DIABETES	2.290	2.207	2.376	0.000
COPD	2.248	2.040	2.477	0.000
ASTHMA	0.874	0.790	0.965	0.008
IMMUNOSUPPRESSED	3.900	3.548	4.285	0.000
HYPERTENSION	1.783	1.721	1.847	0.000
CARDIOVASCULAR	1.793	1.655	1.941	0.000
OBESITY	1.341	1.293	1.391	0.000
CHRONIC_KIDNEY	4.857	4.435	5.321	0.000
ANOTHER_COMORBIDITY	2.769	2.562	2.991	0.000