Supporting Information to "The effect of international travel restrictions on internal spread of COVID-19"

Table S1: Median and 95% intervals for expected daily number of imported cases, estimated daily number of new local cases, and ratio of these two quantities. Countries are divided by region and sorted by increasing ratio of imported to local cases, for all countries with median ratio at least 0.01.

Region	Country	iso3c	Expected imported cases	Local cases	Imported cases per local
Africa	Burkina Faso	BFA	0.1 (0.0, 0.2)	9 (3, 28)	0.011 (0.002, 0.059)
	Angola	AGO	1.2 (0.5, 2.6)	70 (21, 221)	0.017 (0.002, 0.121)
	Morocco	MAR	4.8 (2.3, 10.9)	226 (125, 398)	0.021 (0.006, 0.087)
	Tunisia	TUN	2.0 (0.9, 4.5)	11 (4, 40)	0.181 (0.023, 1.000)
Americas	Canada	CAN	50.8 (23.3, 108.5)	4348 (2101, 8422)	0.012 (0.003, 0.052)
	Venezuela	VEN	2.9 (1.4, 6.2)	233 (121, 469)	0.013 (0.003, 0.051)
	Dominican Republic	DOM	15.2 (6.9, 35.1)	1138 (533, 2341)	0.013 (0.003, 0.066)
	USA	USA	2019.2 (900.9, 4842.7)	91808 (43224, 187810)	0.022 (0.005, 0.112)
	Paraguay	PRY	2.3 (1.1, 4.6)	46 (25, 89)	0.051 (0.012, 0.189)
	Guyana	GUY	0.6 (0.3, 1.4)	11 (3, 45)	0.054 (0.006, 0.475)
	Puerto Rico	PRI	13.6 (6.1, 32.4)	243 (132, 438)	0.056 (0.014, 0.245)
	Costa Rica	CRI	9.1 (4.2, 19.9)	107 (58, 198)	0.085 (0.021, 0.343)
	Uruguay	URY	3.5 (1.7, 7.0)	18 (6, 55)	0.196 (0.030, 1.000)
	Cuba	CUB	8.7 (4.0, 18.4)	28 (14, 69)	0.307 (0.058, 1.000)
	Jamaica	JAM	6.9 (3.1, 16.4)	10 (5, 32)	0.682 (0.097, 1.000)
Asia	Uzbekistan	UZB	2.9 (1.4, 5.5)	253 (138, 454)	0.011 (0.003, 0.040)

	Turkey	TUR	31.5 (15.1, 65.4)	2555 (1294, 4805)	0.012 (0.003, 0.051)
	Singapore	SGP	10.0 (4.8, 21.5)	737 (395, 1423)	0.014 (0.003, 0.055)
	UAE	ARE	21.8 (10.8, 43.5)	1058 (586, 1805)	0.021 (0.006, 0.074)
	Sri Lanka	LKA	2.4 (1.2, 5.9)	57 (30, 111)	0.041 (0.010, 0.195)
	Israel	ISR	20.1 (9.0, 47.1)	364 (197, 655)	0.055 (0.014, 0.239)
	Malaysia	MYS	5.5 (2.8, 11.6)	80 (44, 144)	0.069 (0.019, 0.265)
	Lebanon	LBN	4.6 (2.2, 10.2)	40 (19, 96)	0.116 (0.023, 0.525)
	Japan	JPN	42.2 (19.2, 99.0)	253 (100, 616)	0.166 (0.031, 0.988)
	Georgia	GEO	2.5 (1.2, 5.1)	15 (7, 41)	0.167 (0.030, 0.744)
	South Korea	KOR	25.6 (11.6, 60.0)	96 (50, 207)	0.265 (0.056, 1.000)
	Cyprus	CYP	3.2 (1.5, 6.3)	4 (2, 13)	0.735 (0.119, 1.000)
	Thailand	THA	8.8 (4.4, 18.7)	9 (4, 24)	0.941 (0.188, 1.000)
	China	CHN	68.7 (31.7, 159.9)	39 (21, 151)	1.000 (0.210, 1.000)
Europe	Portugal	PRT	12.7 (5.8, 27.8)	791 (374, 1612)	0.016 (0.004, 0.074)
	Belgium	BEL	9.9 (4.5, 23.0)	608 (277, 1260)	0.016 (0.004, 0.083)
	Hungary	HUN	4.6 (2.1, 10.4)	178 (76, 401)	0.026 (0.005, 0.137)
	Germany	DEU	43.9 (20.4, 99.4)	1507 (723, 2953)	0.029 (0.007, 0.138)
	Montenegro	MNE	1.0 (0.4, 2.1)	33 (9, 110)	0.030 (0.004, 0.225)
	Netherlands (the)	NLD	16.4 (7.6, 36.7)	497 (223, 1050)	0.033 (0.007, 0.164)
	Czechia	CZE	5.4 (2.5, 11.7)	134 (66, 285)	0.040 (0.009, 0.178)
	Estonia	EST	0.8 (0.4, 1.8)	20 (7, 58)	0.041 (0.006, 0.269)
	Ireland	IRL	7.6 (3.4, 17.7)	175 (69, 424)	0.044 (0.008, 0.256)
	Austria	AUT	6.8 (3.1, 15.4)	128 (45, 369)	0.053 (0.009, 0.339)
	Denmark	DNK	6.4 (2.9, 15.1)	109 (48, 247)	0.059 (0.012, 0.315)
	Slovenia	SVN	0.7 (0.3, 1.7)	11 (3, 41)	0.065 (0.008, 0.511)
	Finland	FIN	2.9 (1.3, 6.4)	44 (21, 103)	0.066 (0.013, 0.302)

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	Luxembourg	LUX	0.9 (0.4, 2.2)	13 (6, 33)	0.071 (0.013, 0.394)
	Lithuania	LTU	2.7 (1.3, 5.5)	34 (13, 88)	0.078 (0.014, 0.443)
	Norway	NOR	3.2 (1.4, 8.0)	39 (16, 122)	0.081 (0.011, 0.508)
	Latvia	LVA	0.9 (0.4, 2.0)	10 (3, 32)	0.091 (0.014, 0.609)
	Slovakia	SVK	0.7 (0.3, 1.6)	8 (4, 19)	0.095 (0.018, 0.439)
	Greece	GRC	7.8 (3.5, 17.8)	61 (22, 171)	0.127 (0.021, 0.819)
	Switzerland	CHE	8.6 (3.8, 19.7)	67 (29, 151)	0.127 (0.025, 0.685)
	Croatia	HRV	3.4 (1.5, 7.5)	15 (6, 41)	0.228 (0.038, 1.000)
	Iceland	ISL	1.0 (0.5, 2.5)	2 (1, 5)	0.594 (0.099, 1.000)
Oceania	Australia	AUS	15.9 (7.8, 34.2)	28 (15, 55)	0.560 (0.141, 1.000)
	New Zealand	NZL	3.8 (1.7, 8.8)	2 (1, 9)	1.000 (0.200, 1.000)
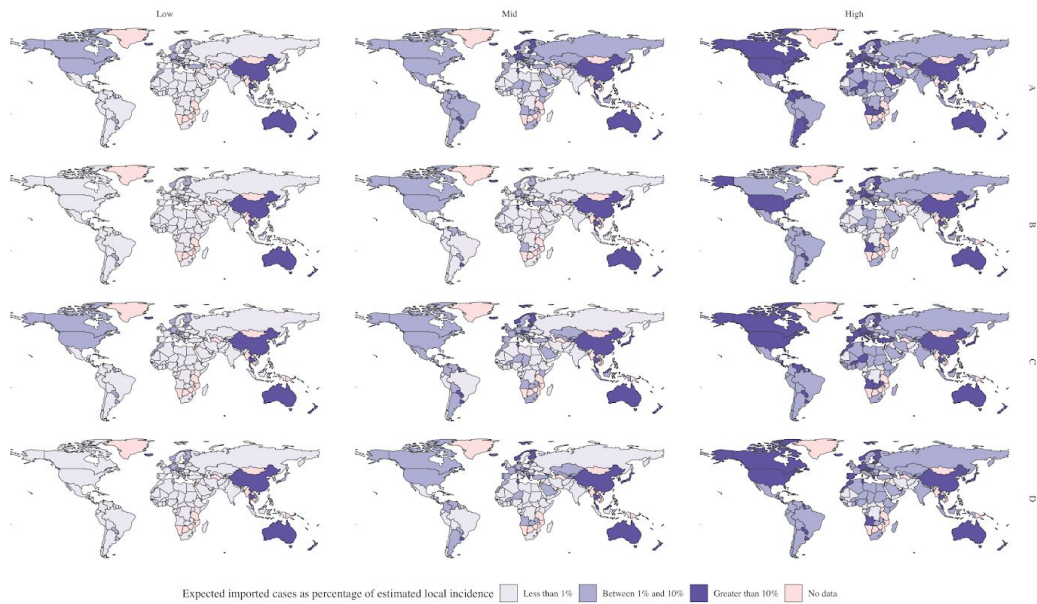
Figure S1: Risk rating by country, in the absence of international travel restrictions, in each of the four scenarios about international travellers in May 2020. (A) Travel assumed to be at the same levels as May 2019. (B) Traveller numbers scaled downwards based on the reduction in flights in May 2020 reported by OpenSky. (C) Traveller numbers scaled down by 25%. (D) Traveller numbers scaled down by 50%. Columns correspond to low, mid and high values of uncertainty interval for daily imported cases per local daily case.
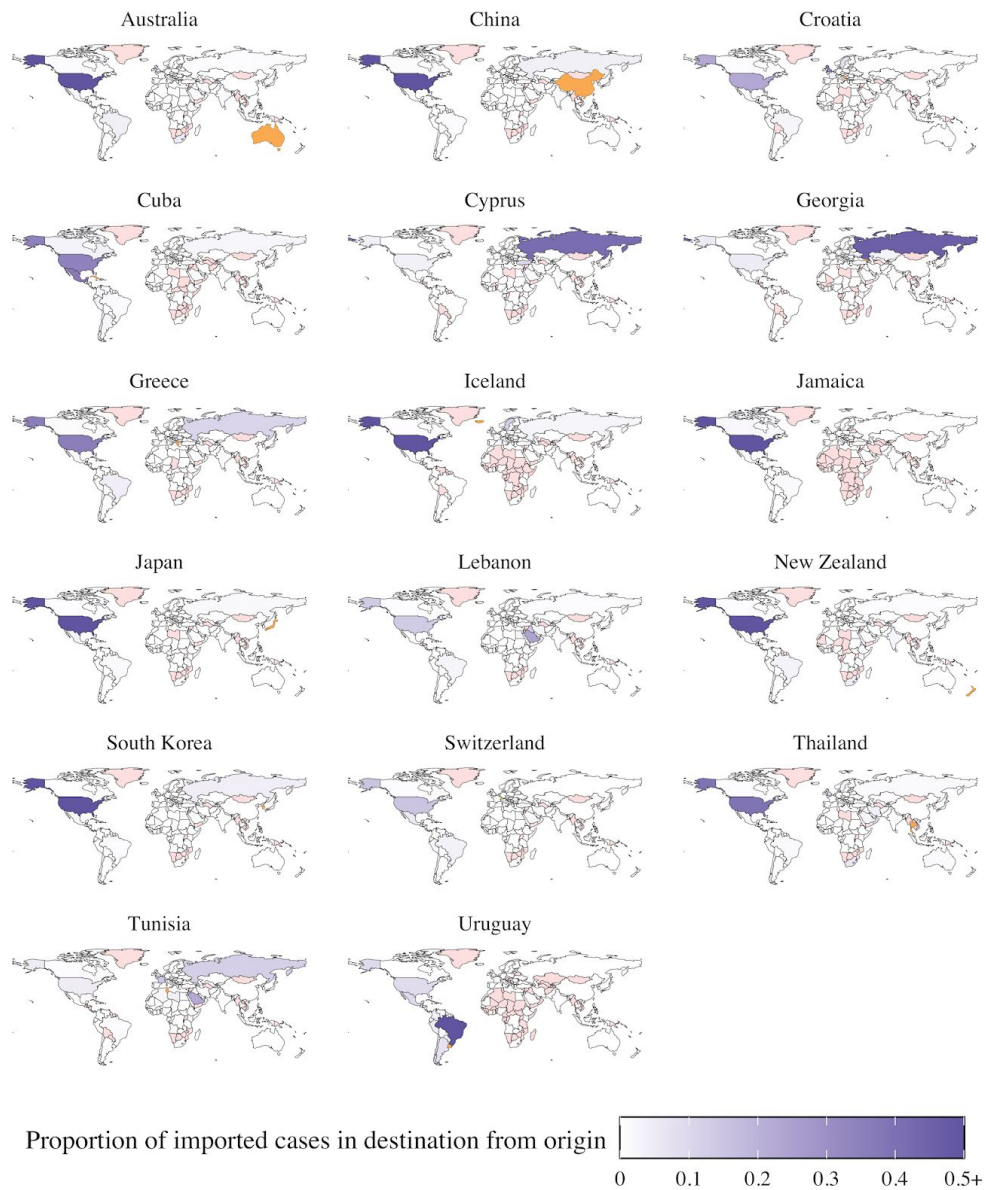
Figure S2: Proportion of estimated imported cases in destination (orange) imported from each origin (purples). Countries with no data (pink) either have missing prevalence estimates and/or there is no data on international flights between this origin-destination pair.