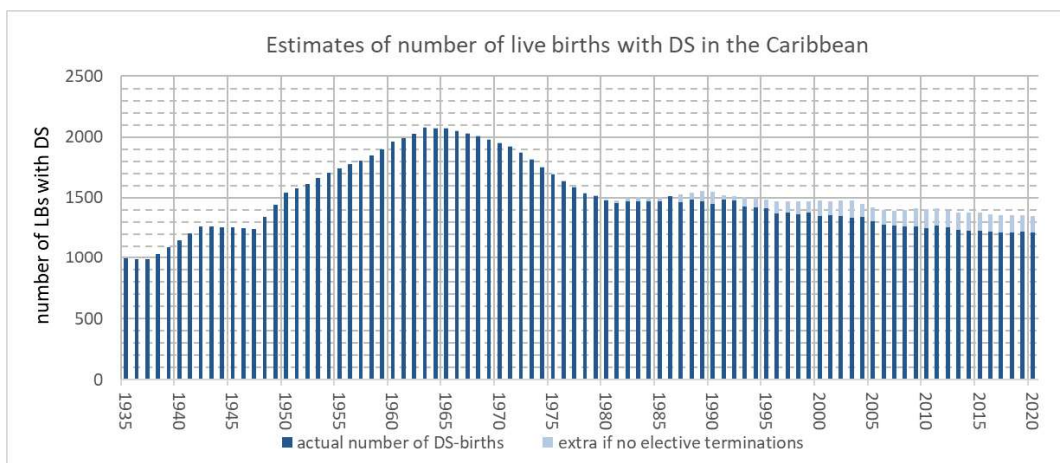
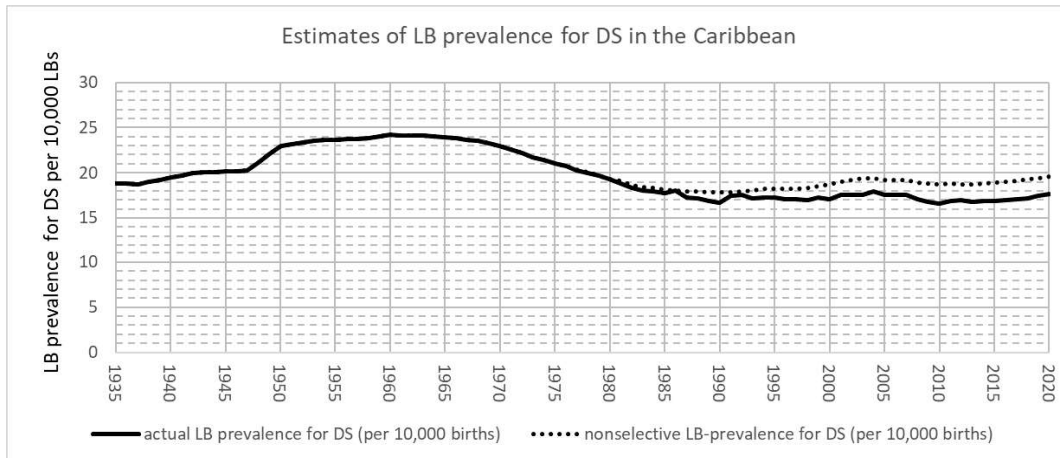
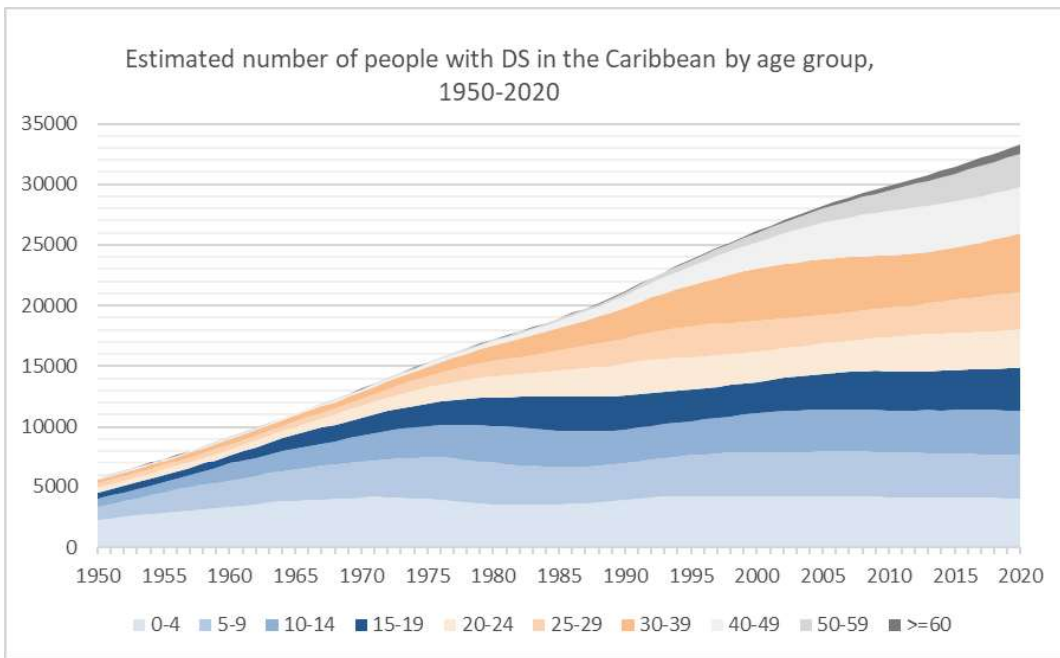
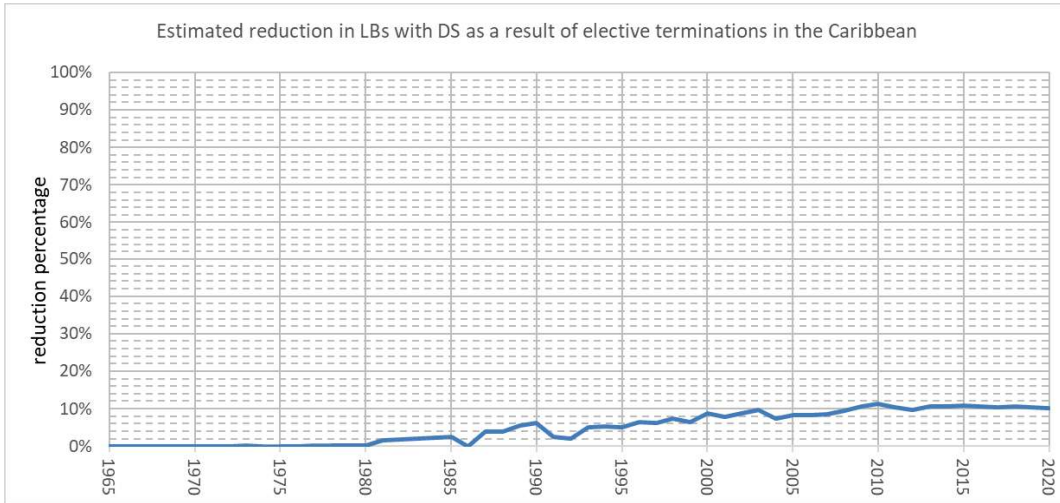


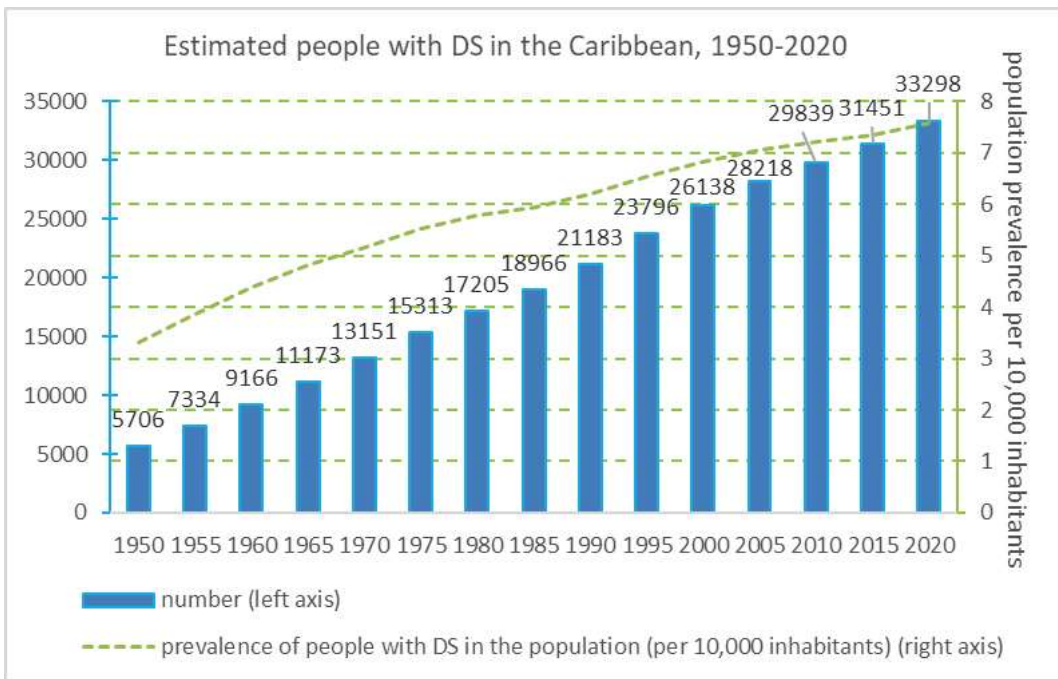
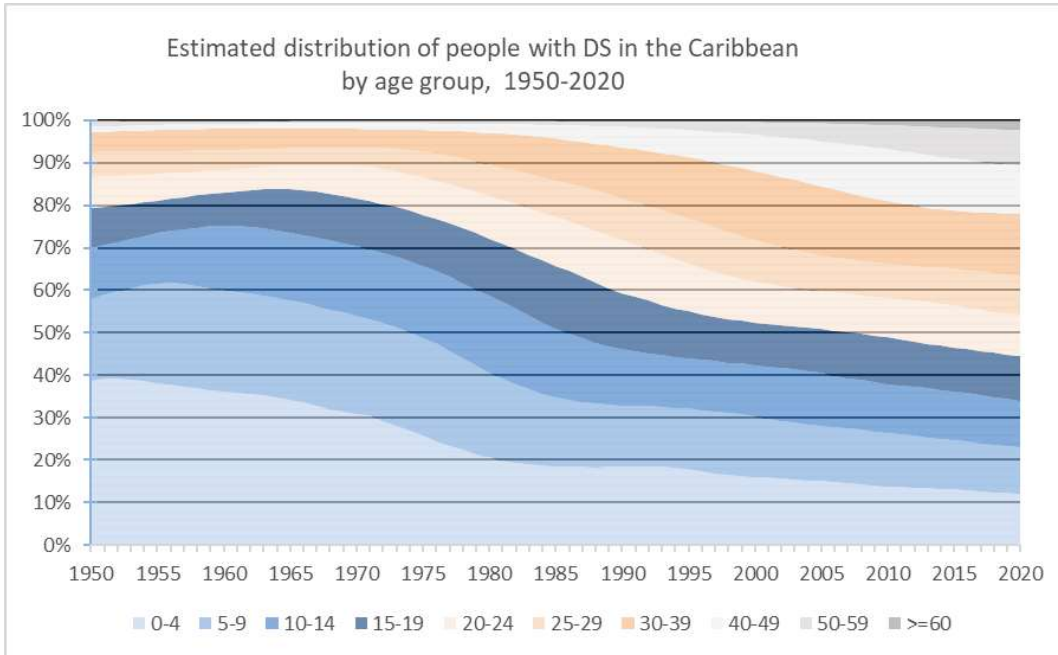
Supplementary Findings 2. Results by region

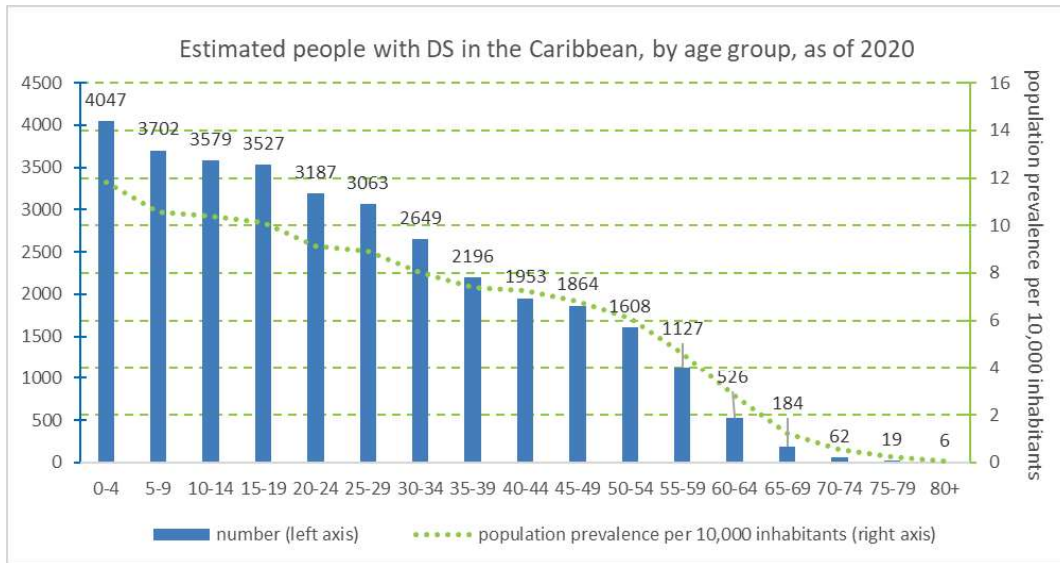
The Caribbean

Based on our model, we expect there to be around 33,298 individuals (95% CI: 32,940–33,656) with DS living in the Caribbean, as of 2020 (7.6 per 10,000 inhabitants). In absence of elective terminations, this would have been 36,876 (95% CI: 36,500–37,252). The figures below provide more details and historical information on LBs and population.



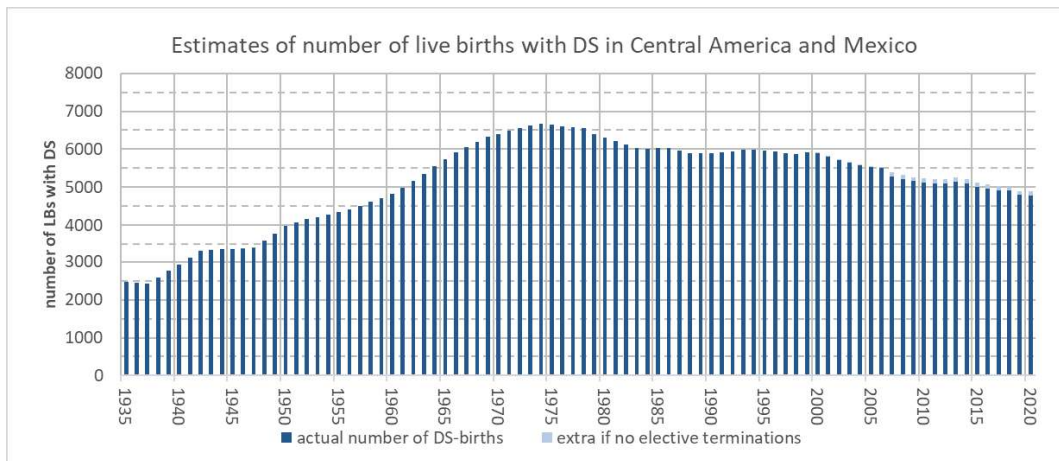
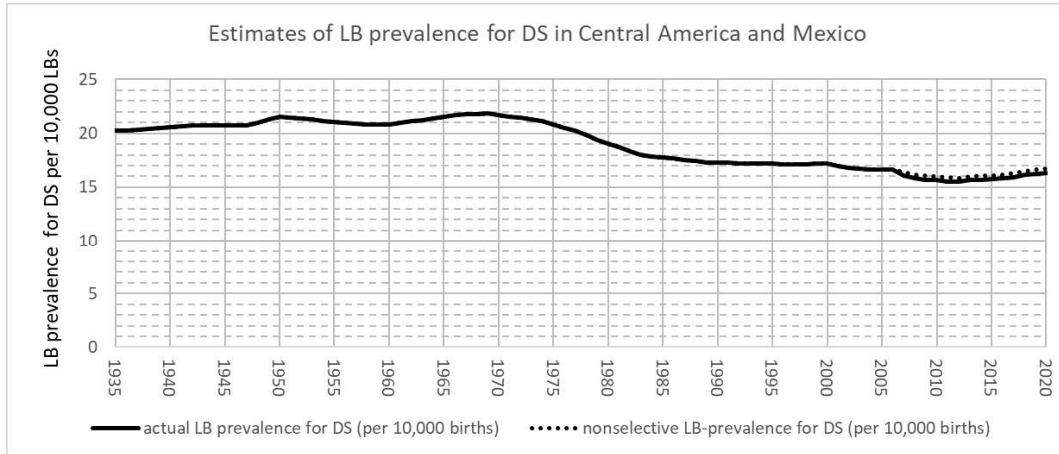


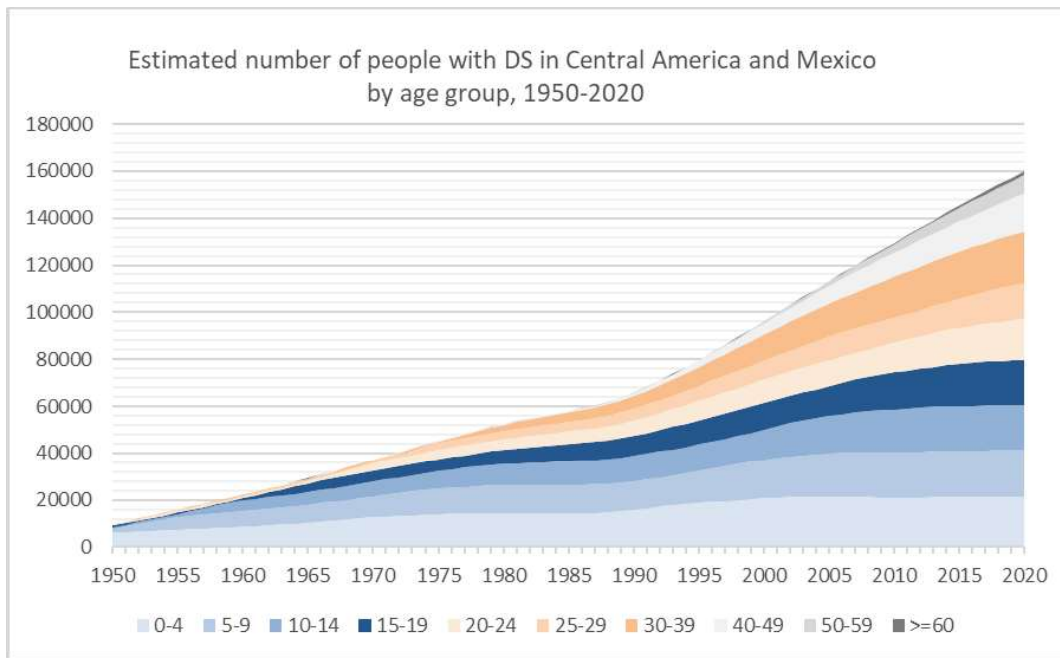
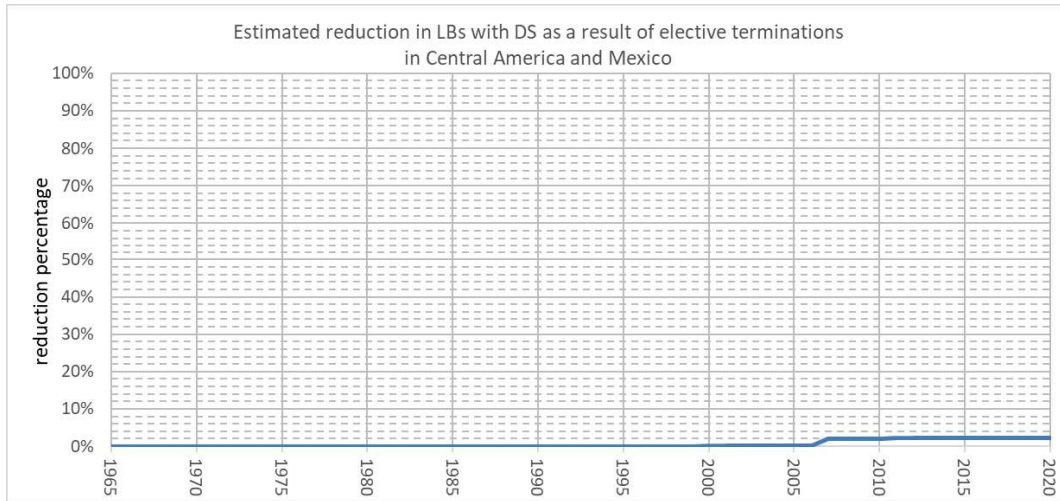


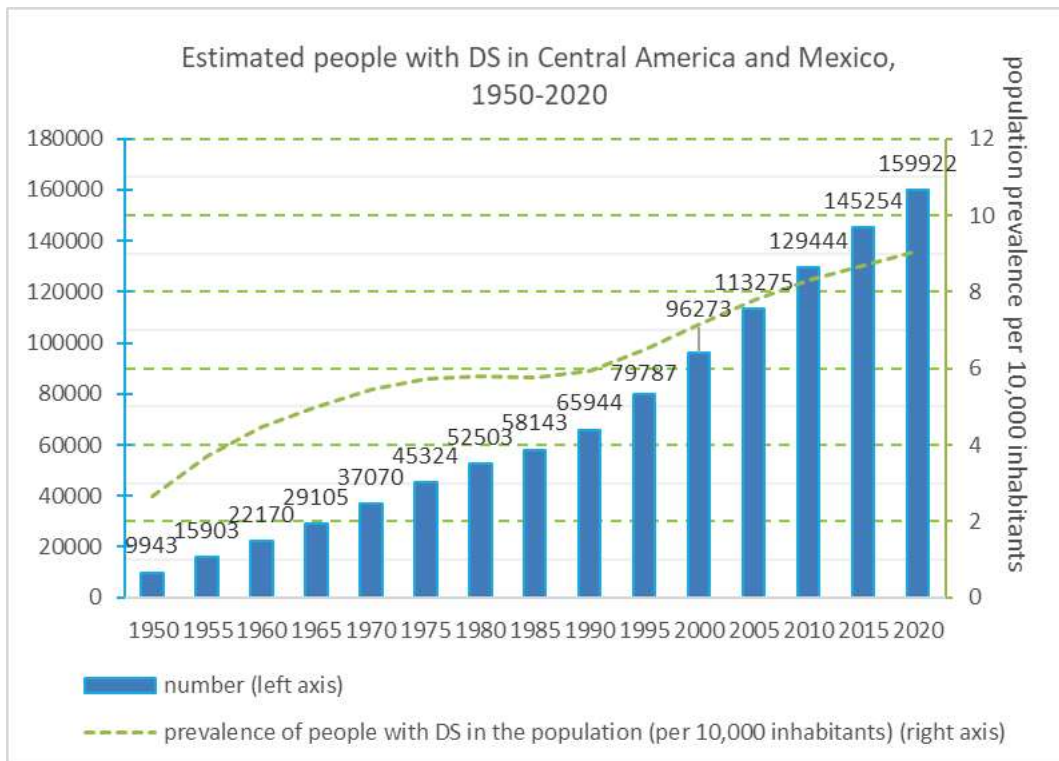
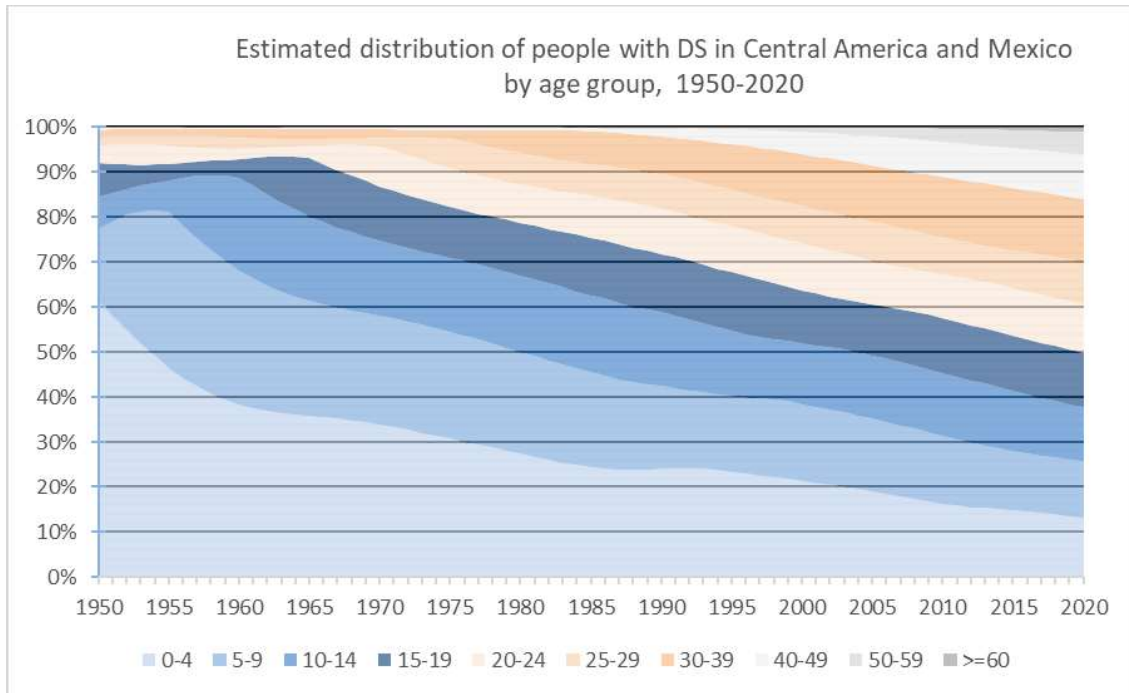


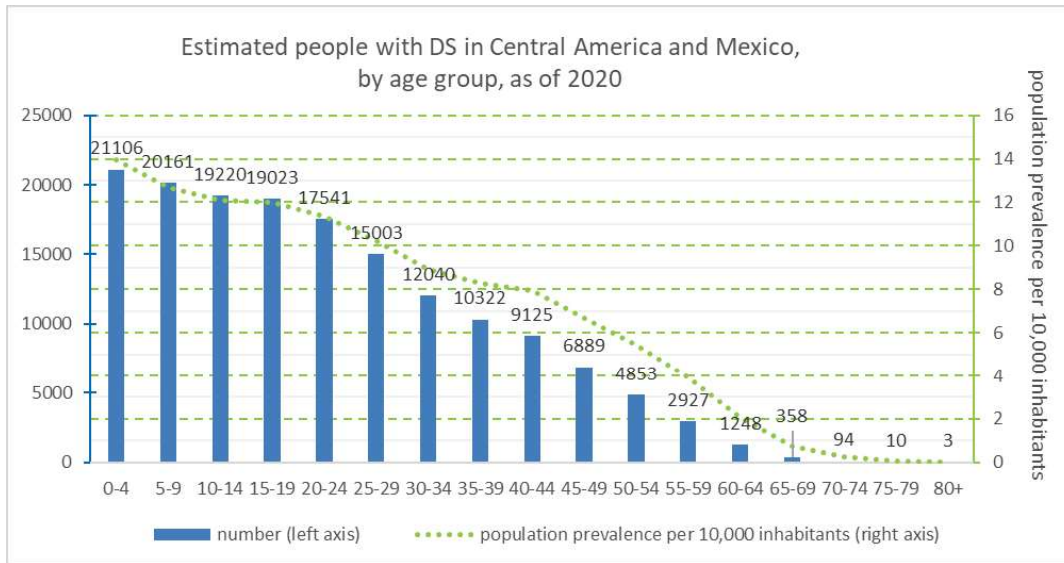
Central America and Mexico

Based on our model, we expect there to be around 159,922 individuals (95% CI: 159,139–160,706) with DS living in Central America and Mexico, as of 2020 (9.1 per 10,000 inhabitants). In absence of elective terminations, this would have been 161,253 (95% CI: 160,466–162,040). The figures below provide more details and historical information on LBs and population.



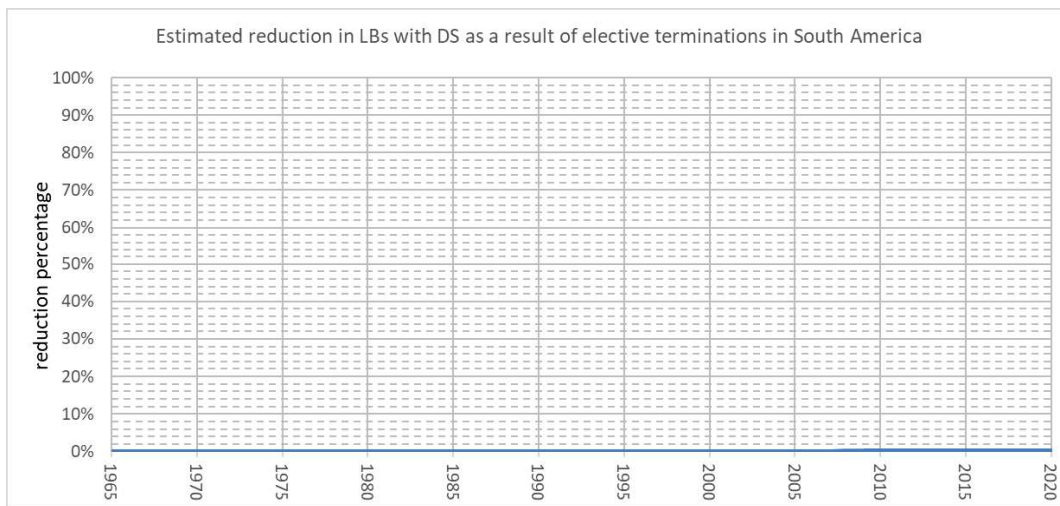
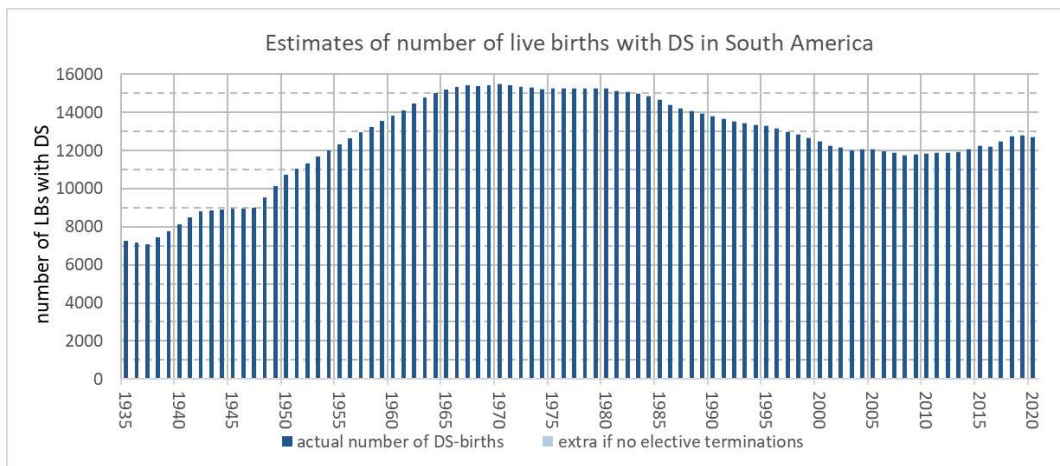
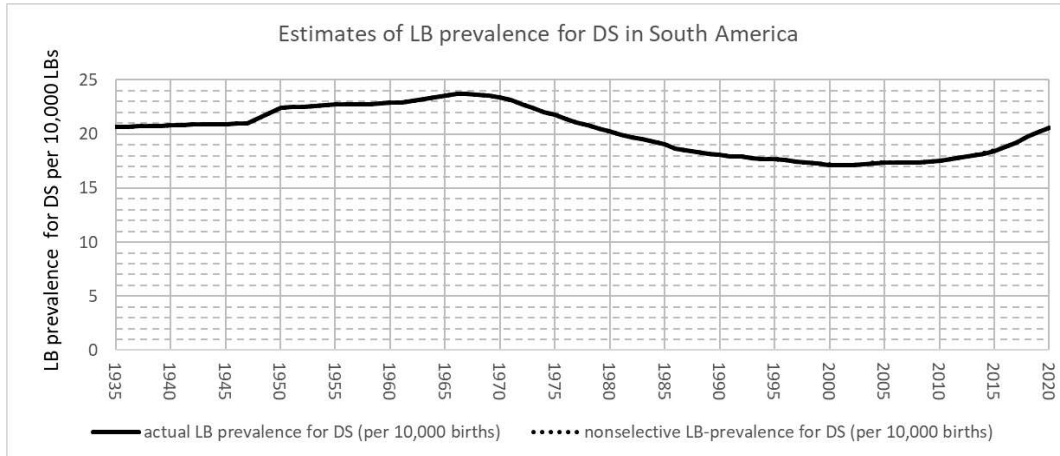


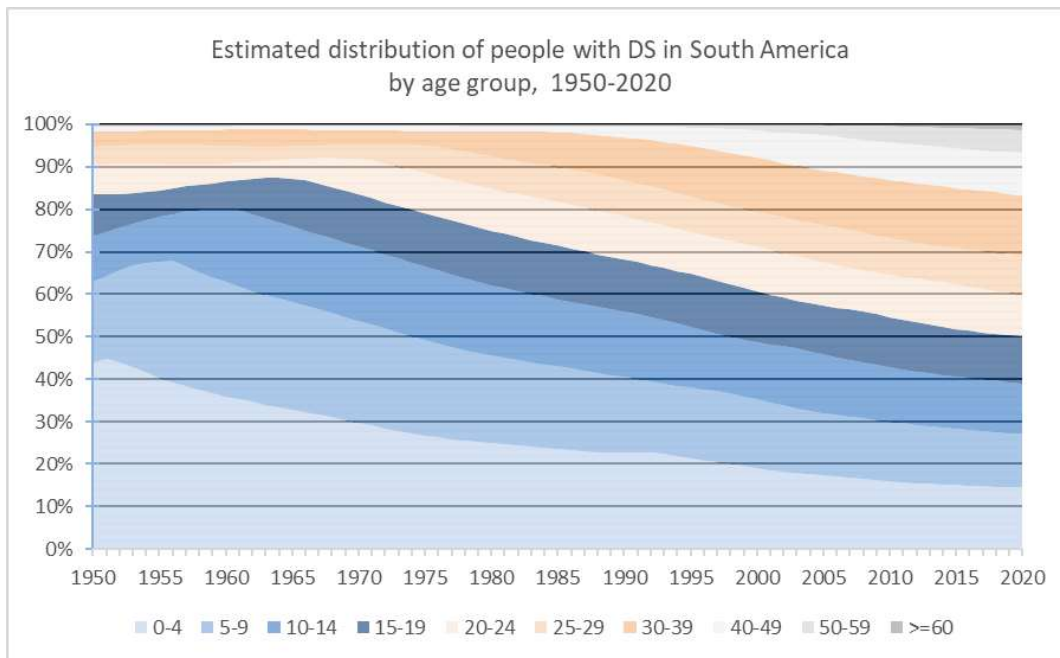
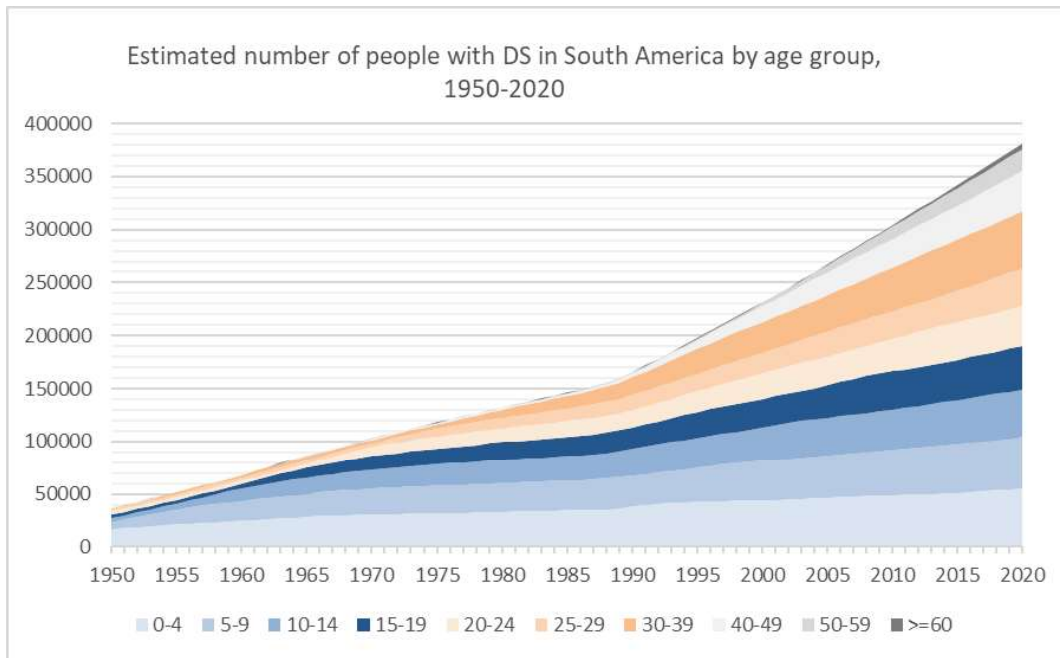


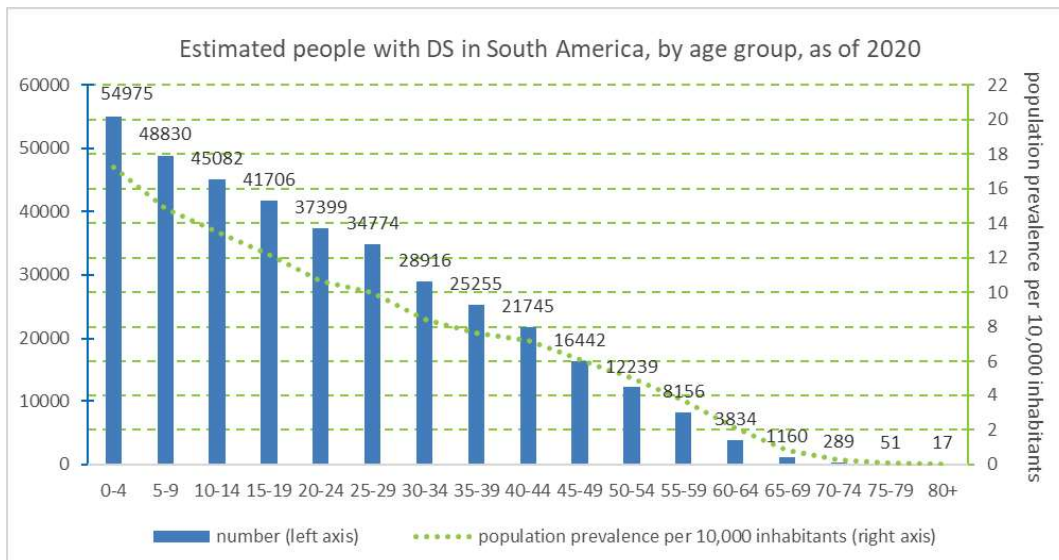
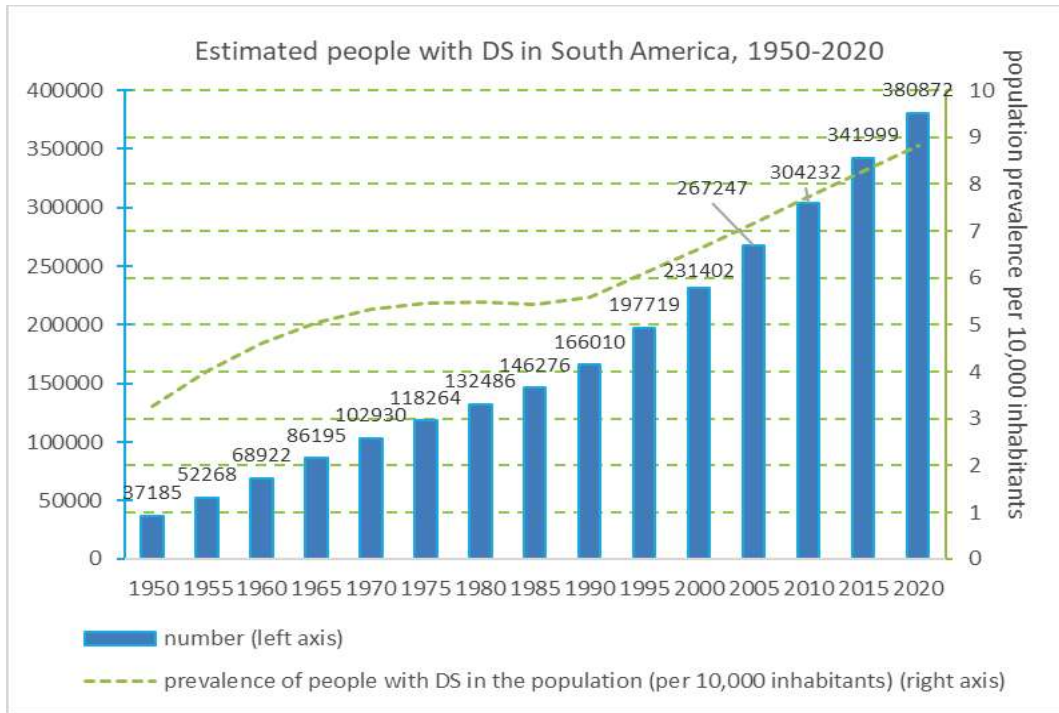


South America

Based on our model, we expect there to be around 380,872 individuals (95% CI: 379,663–382,081) with DS living in South America as of 2020 (8.8 per 10,000 inhabitants). In absence of elective terminations, this would have been 381,092 (95% CI: 379,883–382,302). The figures below provide more details and historical information on LBs and population.

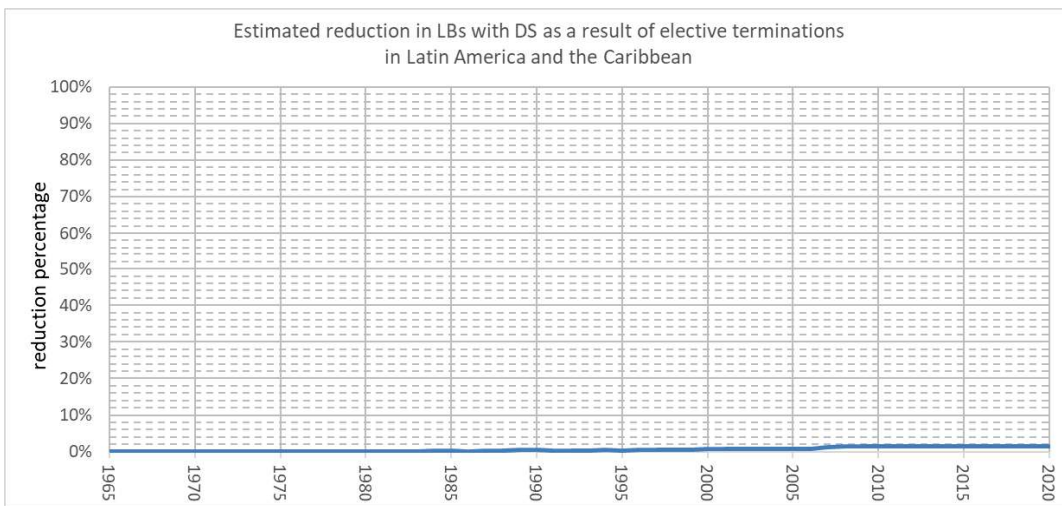
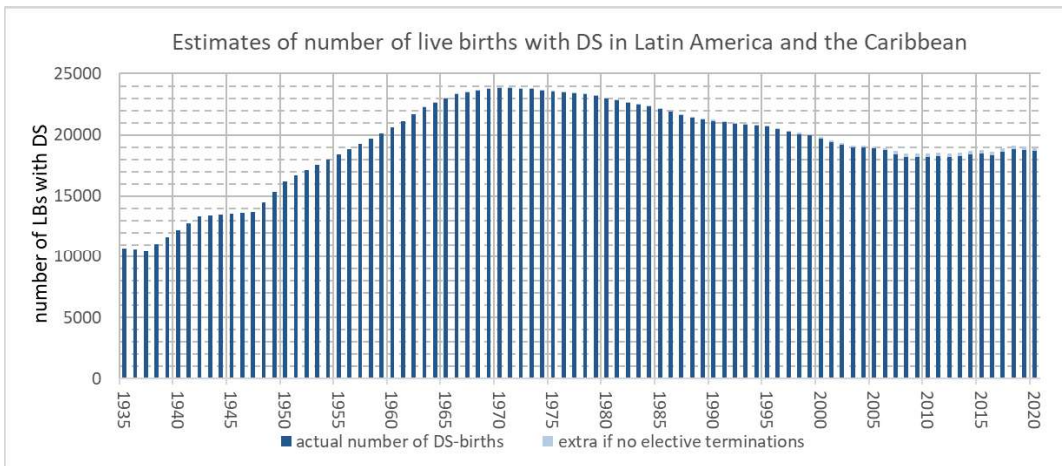
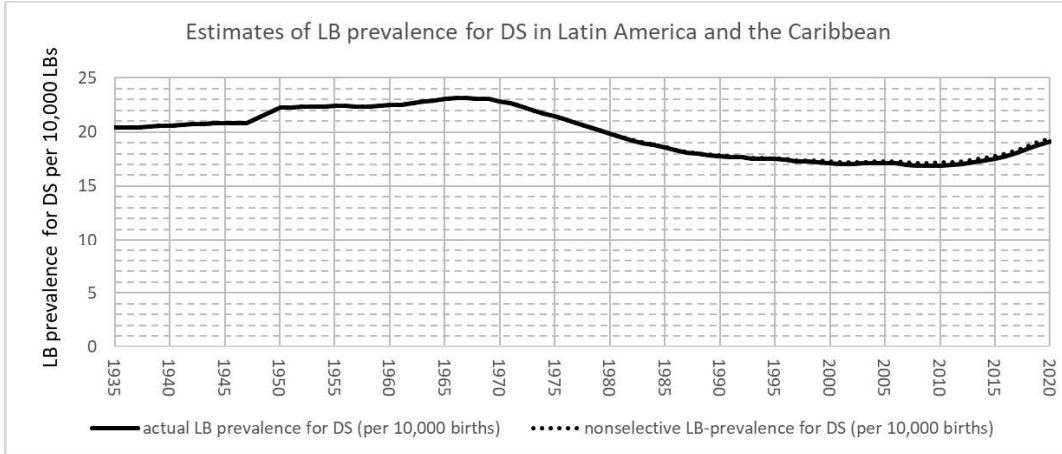


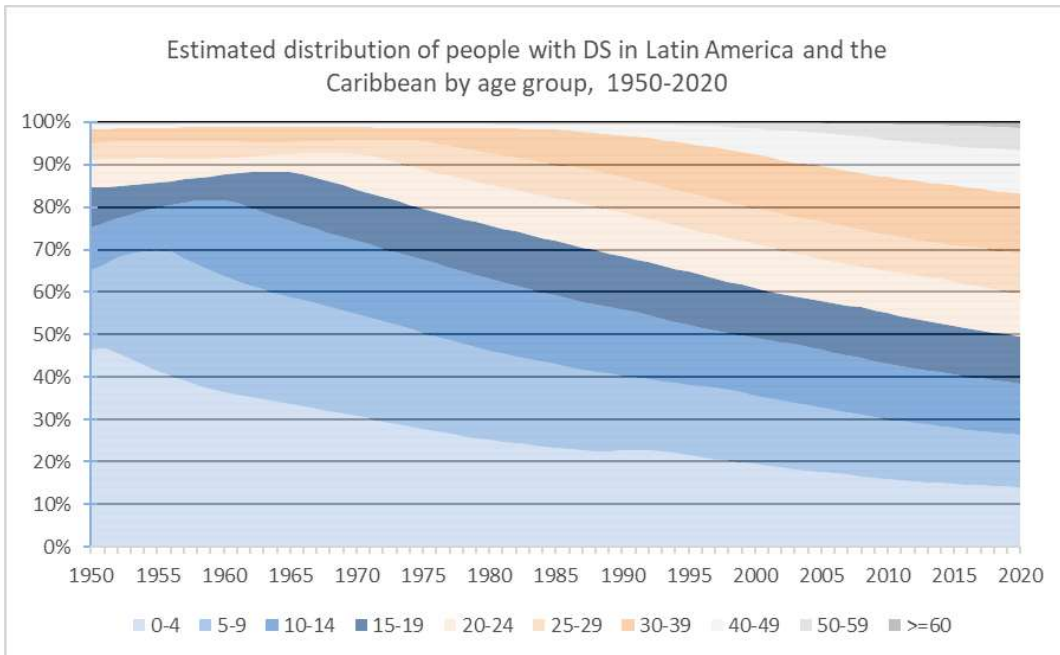
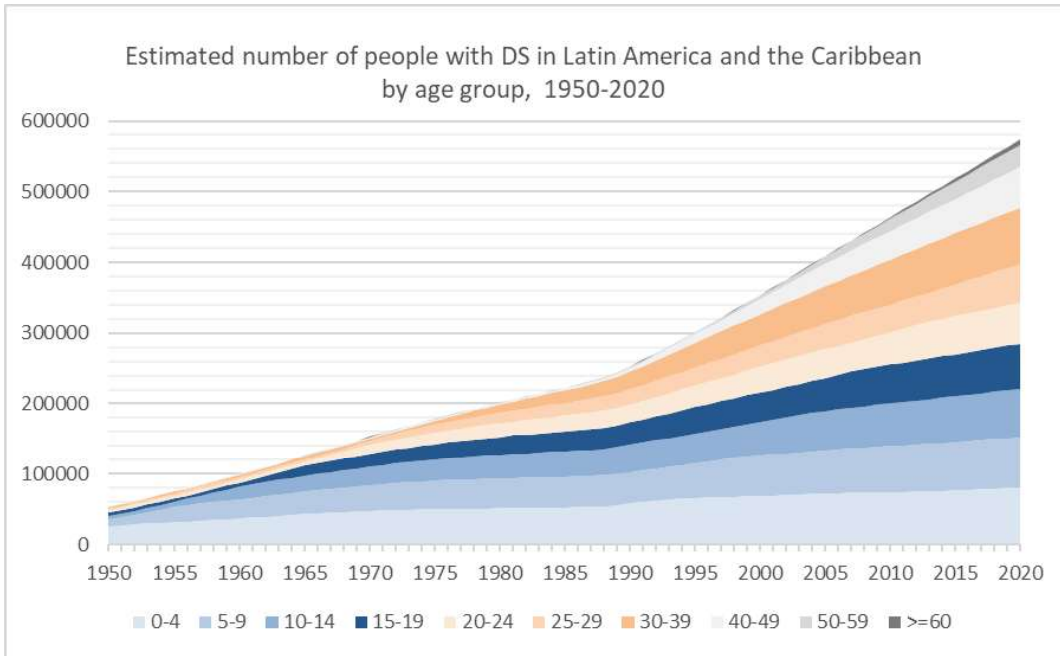


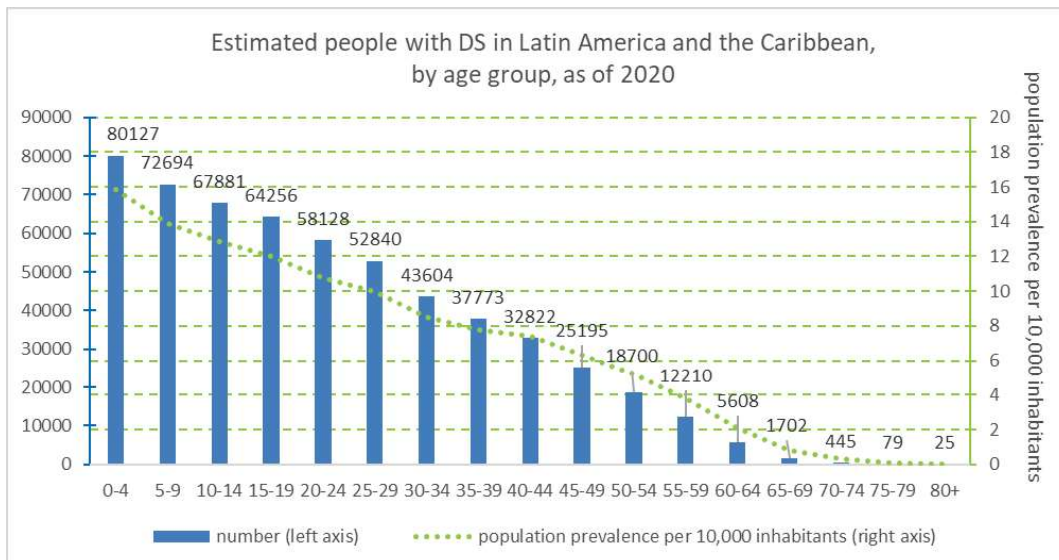
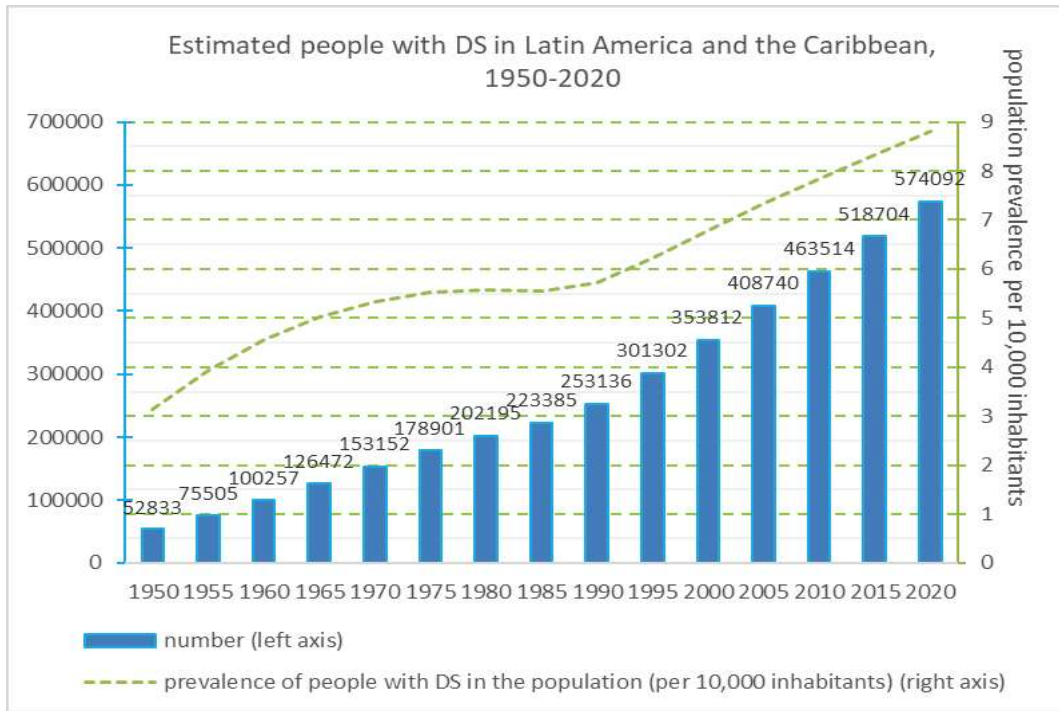


Latin America and the Caribbean

Based on our model, we expect there to be around 574,092 individuals (95% CI: 572,608–575,576) with DS living in Latin America and the Caribbean as of 2020 (8.8 per 10,000 inhabitants). In absence of elective terminations, this would have been 579,221 (95% CI: 577,730–580,712). The figures below provide more details and historical information on LBs and population.







Supplementary Findings 3. Comparison of the model with the GBD approach

In the Table below, we compare the model's estimates of population size of DS with earlier estimates by the Global Burden of Disease (GBD) Study.⁴² The differences are remarkably large.

Number of people with DS in Latin America and the Caribbean, and in the 4 comparison countries, as of 2020; Model (as of 2020) versus GBD estimates (as of 2020)

Region/country	Model	GBD	Difference of GBD in relation to our model
Latin America and the Caribbean	574,092	176,852	-69%
The Caribbean	33,298	13,551	-59%
Anguilla	12	n/a	
Antigua and Barbuda	95	19	-80%
Aruba	67	n/a	
Bahamas	367	93	-75%
Barbados	261	64	-76%
Bonaire	15	n/a	
British Virgin Islands	18	n/a	
Cayman Islands	46	n/a	
Cuba	6,044	2,080	-66%
Curaçao	212	n/a	
Dominica	93	17	-82%
Dominican Republic	7,516	3,290	-56%
Grenada	166	23	-86%
Guadeloupe	399	n/a	
Haiti	9,942	6,046	-39%
Jamaica	2,906	708	-76%
Martinique	395	n/a	

Montserrat	7	n/a	
Puerto Rico	2,922	725	-75%
Saint Barthélemy	3	n/a	
Saint Kitts and Nevis	50	13	-75%
Saint Lucia	200	36	-82%
Saint Martin (French part)	31	n/a	
Saint Vincent and the Grenadines	122	26	-78%
Sint Maarten	27	n/a	
Trinidad and Tobago	1,229	394	-68%
Turks and Caicos Islands	42	n/a	
U.S. Virgin Islands	109	15	-86%
Central America and Mexico	159,922	45,103	-72%
Belize	320	122	-62%
Costa Rica	4,771	1,375	-71%
El Salvador	6,779	2,007	-70%
Guatemala	18,124	5,613	-69%
Honduras	10,033	2,828	-72%
Mexico	110,715	30,213	-73%
Nicaragua	5,861	1,807	-69%
Panama	3,320	1,138	-66%
South America	380872	118198	-69%
Argentina	45134	18053	-60%
Bolivia	11321	2319	-80%
Brazil	160204	57741	-64%
Chile	18531	7354	-60%

Colombia	45619	11210	-75%
Ecuador	17552	3718	-79%
Falkland Islands	1	n/a	
French Guiana	160	n/a	
Guyana	770	121	-84%
Paraguay	7785	2252	-71%
Peru	38466	5087	-87%
Suriname	548	120	-78%
Uruguay	3437	1175	-66%
Venezuela	31343	9048	-71%

The comparison countries

Australia	13699	11235	-18%
France (mainland)	34513	28194	-18%
United Kingdom	41642	33182	-20%
United States	219544	107199	-51%

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