

Dengue in the Americas

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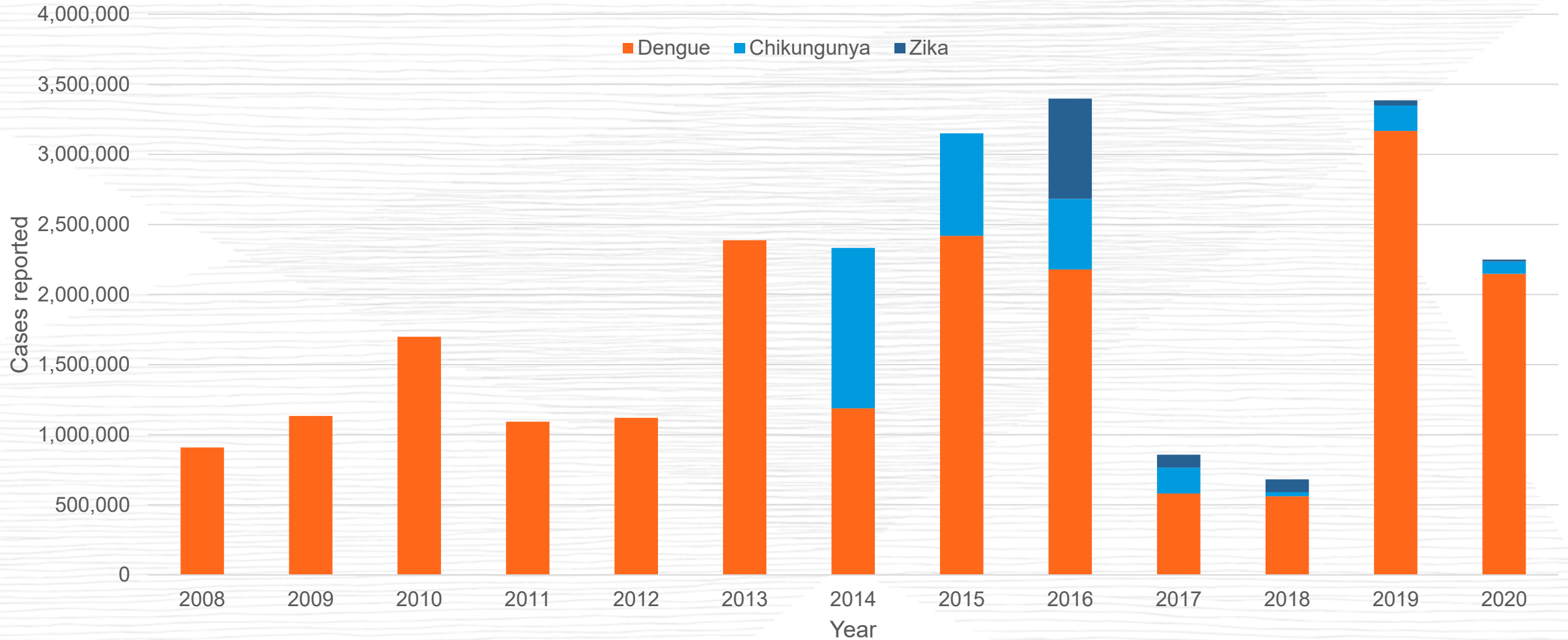


Pan American
Health
Organization



World Health
Organization
REGIONAL OFFICE FOR THE
Americas

Number of cases of dengue, chikungunya and Zika in the Americas, 2008 – 2020/EW45



Source: www.paho.org/plisa

Chikungunya in the Americas, 2019 and 2020 (EW45)

2019

Region	Total	Confirmed
The Americas	181,477	101,190

Regions	Total Countries	Countries not reporting	% of Reporting Countries
Andean	5	0	100%
Caribbean	28	21	25%
Central America Ithsmus and Mexico	8	1	88%
Latin Caribbean	3	1	67%
North America	2	0	100%
Southern Cone	5	0	100%

2020

Region	Total	Confirmed
The Americas	87,803	32,768

Regions	Total Countries	Countries not reporting	% of Reporting Countries
Andean	5	0	100%
Caribbean	28	21	25%
Central America Ithsmus and Mexico	8	2	75%
Latin Caribbean	3	2	33%
North America	2	0	100%
Southern Cone	5	0	100%

Zika in the Americas, 2019 and 2020 (EW45)

Region	Total	Confirmed
The Americas	35,914	6,954

2019

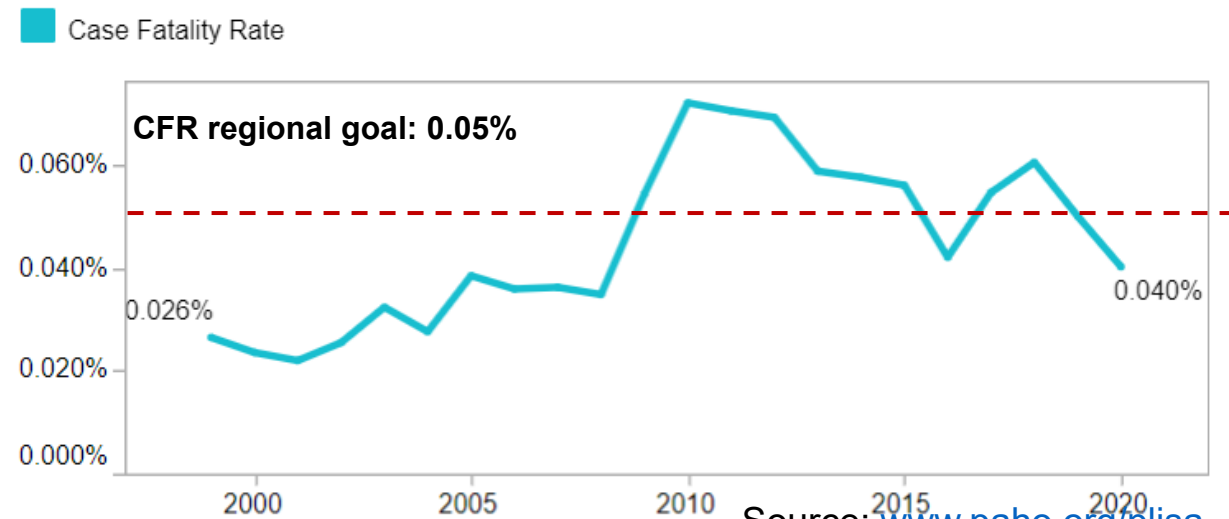
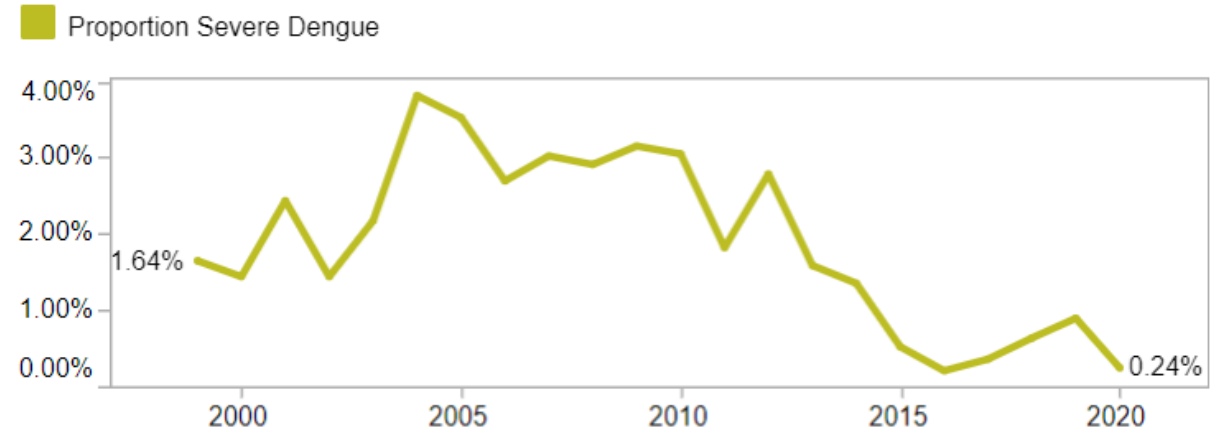
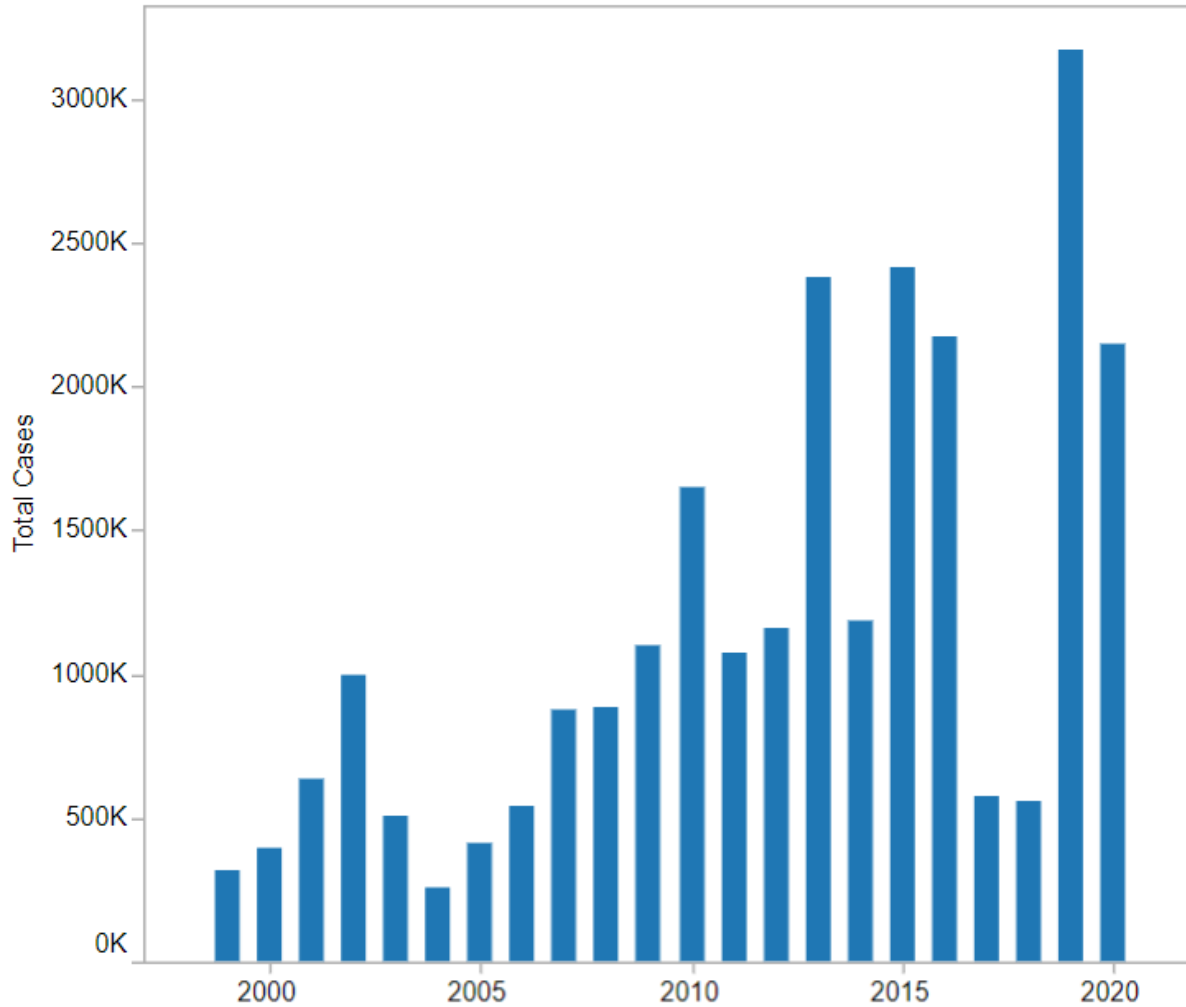
Regions	Total Countries	Countries not reporting	% of Reporting Countries
Andean	5	0	100%
Caribbean	28	20	29%
Central America Isthmus and Mexico	8	1	88%
Latin Caribbean	3	0	100%
North America	2	0	100%
Southern Cone	5	0	100%

2020

Region	Total	Confirmed
The Americas	14,333	1,887

Regions	Total Countries	Countries not reporting	% of Reporting Countries
Andean	5	0	100%
Caribbean	28	20	29%
Central America Isthmus and Mexico	8	2	75%
Latin Caribbean	3	2	33%
North America	2	0	100%
Southern Cone	5	1	80%

Dengue cases: total number, severity proportion, and case fatality rate (CFR) in the Americas, 1999 – 2020 (EW45)

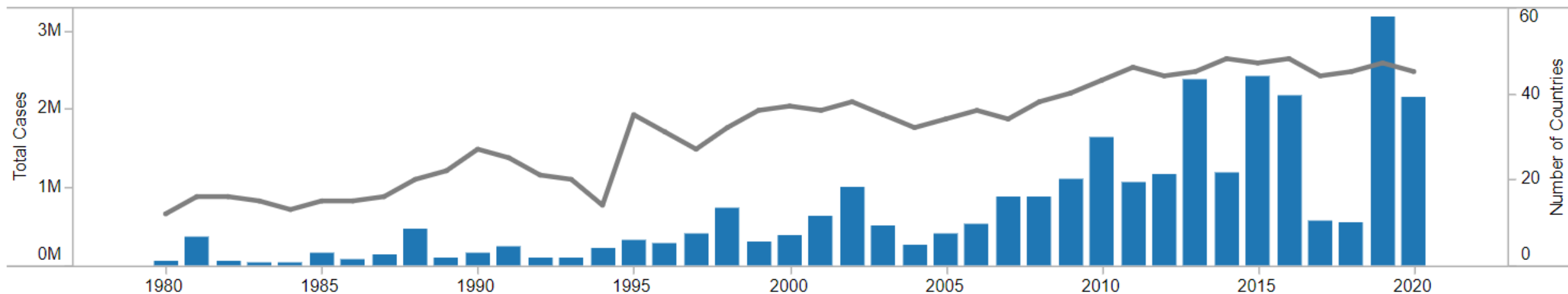


Source: www.paho.org/plisa

Dengue data in the Americas, 2020 (EW45)

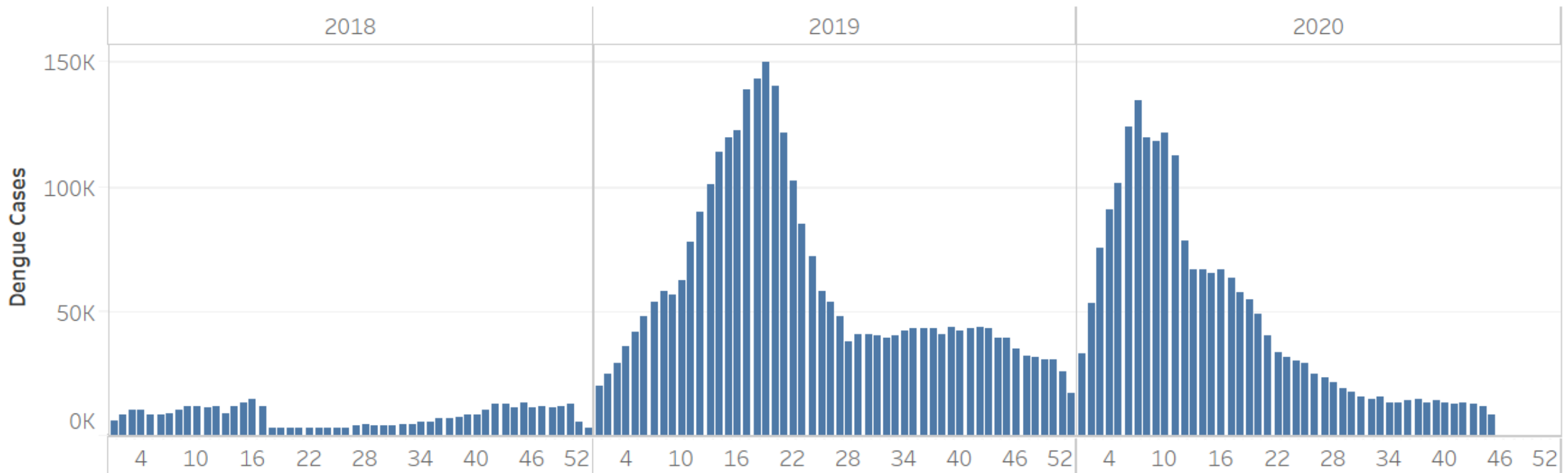
Dengue annual cases and number of countries reporting dengue, 1980 – 2020 (EW45)

Region	Total	Confirmed	SevereDengue	Deaths
The Americas	2,143,340	959,446	4,938	864



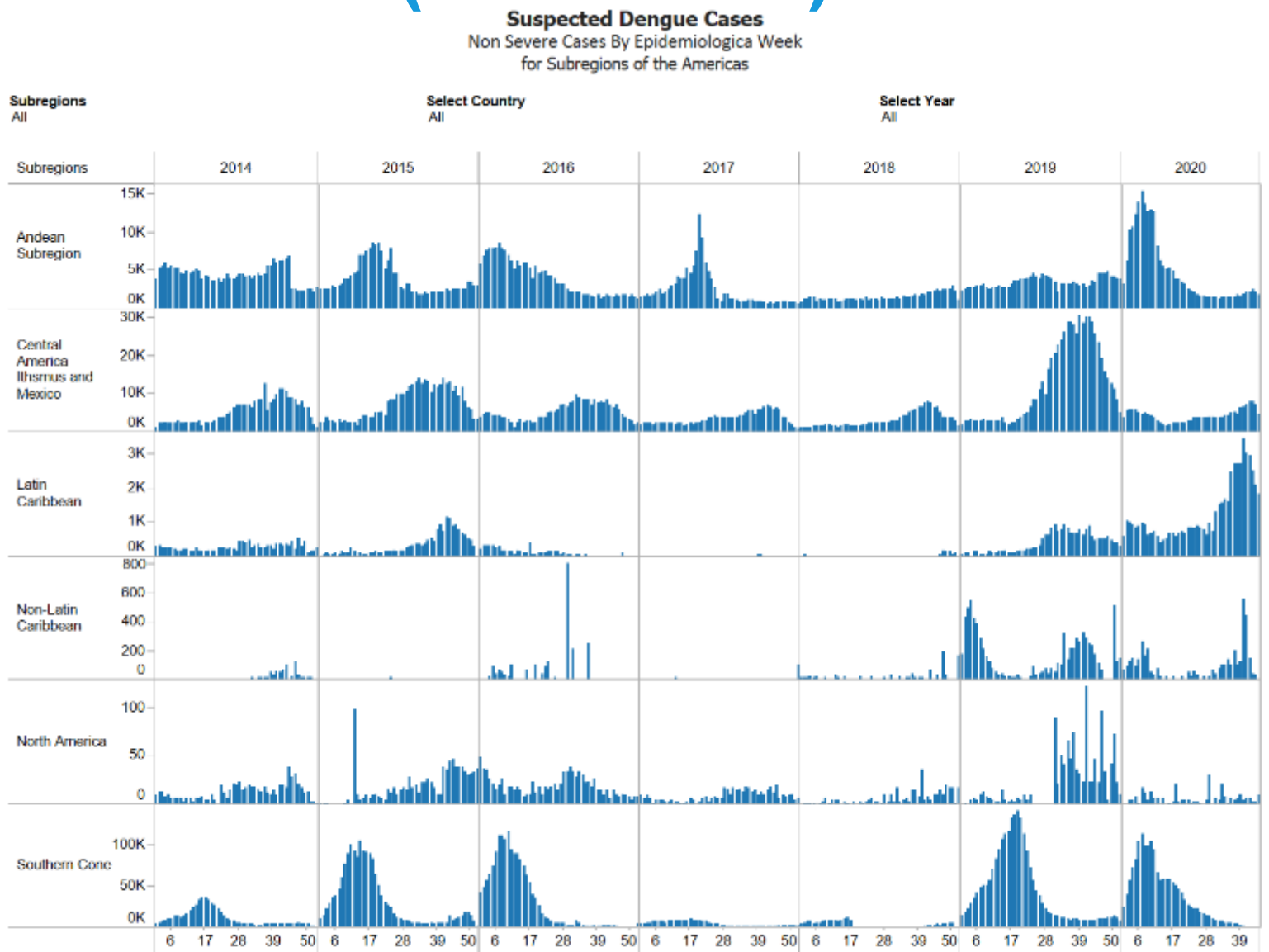
Source: www.paho.org/plisa

Weekly numbers of dengue cases in the Americas, 2018 - 2020 (EW45)



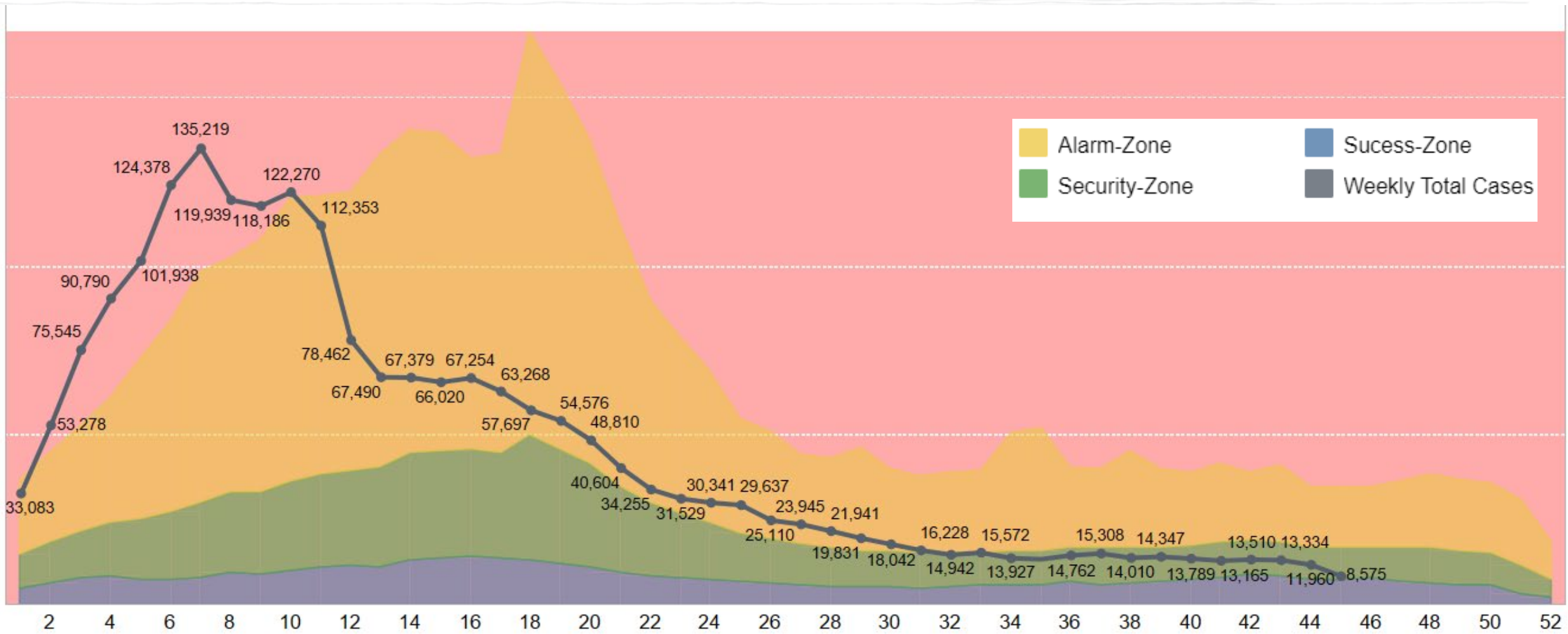
Source: www.paho.org/plisa

Weekly Dengue cases in the Americas by Sub-Region (2014-2020*)



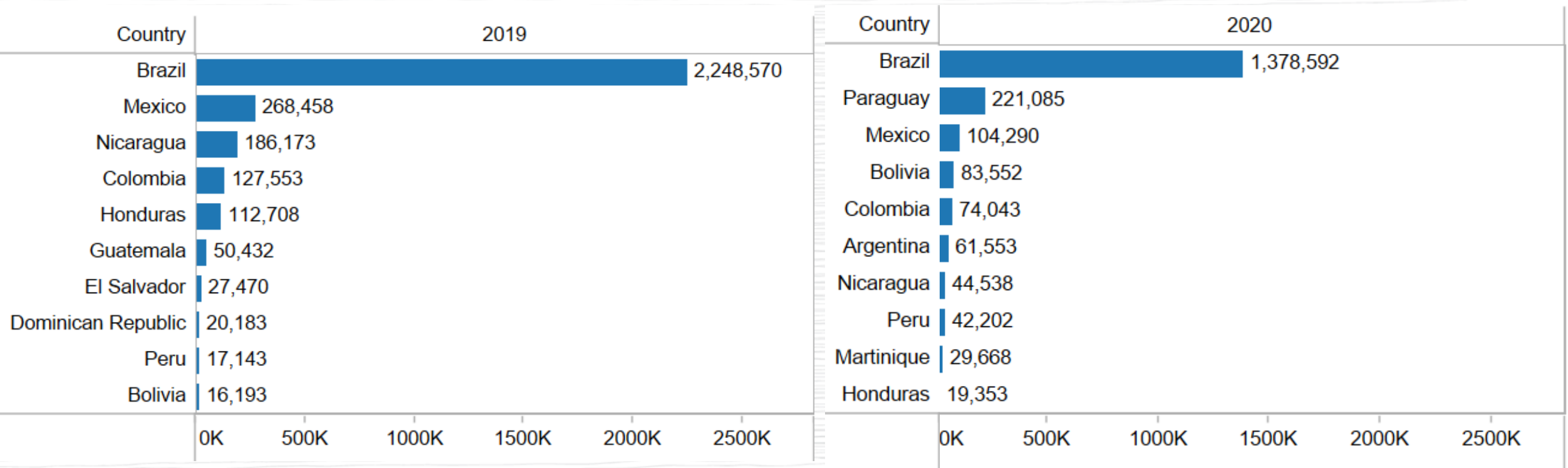
Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Dengue: endemic curve, the Americas, SE45 - 2020



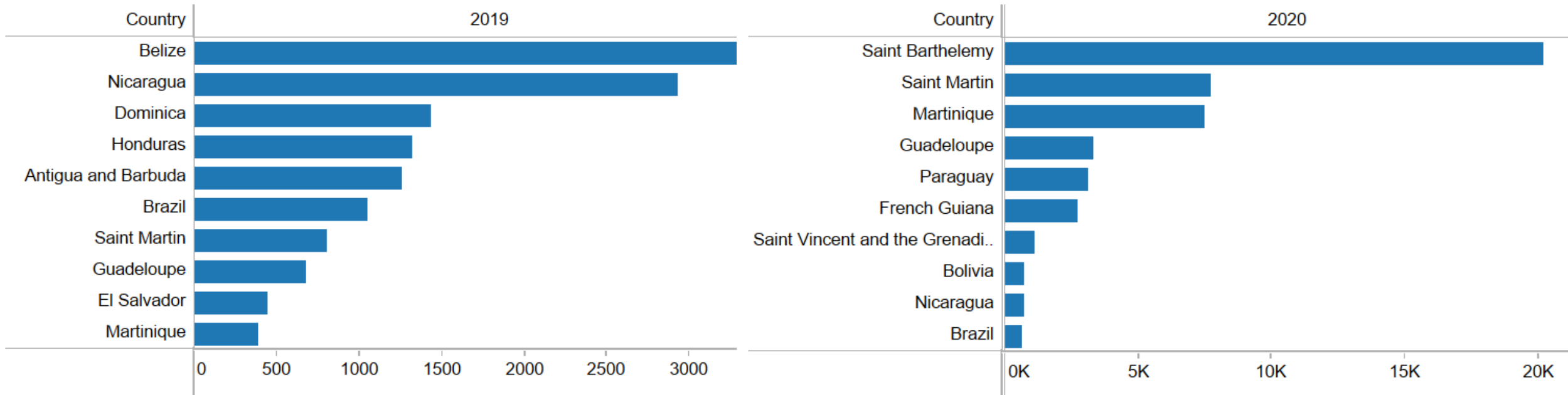
Source: www.paho.org/plisa

Total number of dengue cases in selected countries, 2019 (EW52) and 2020 (EW45)



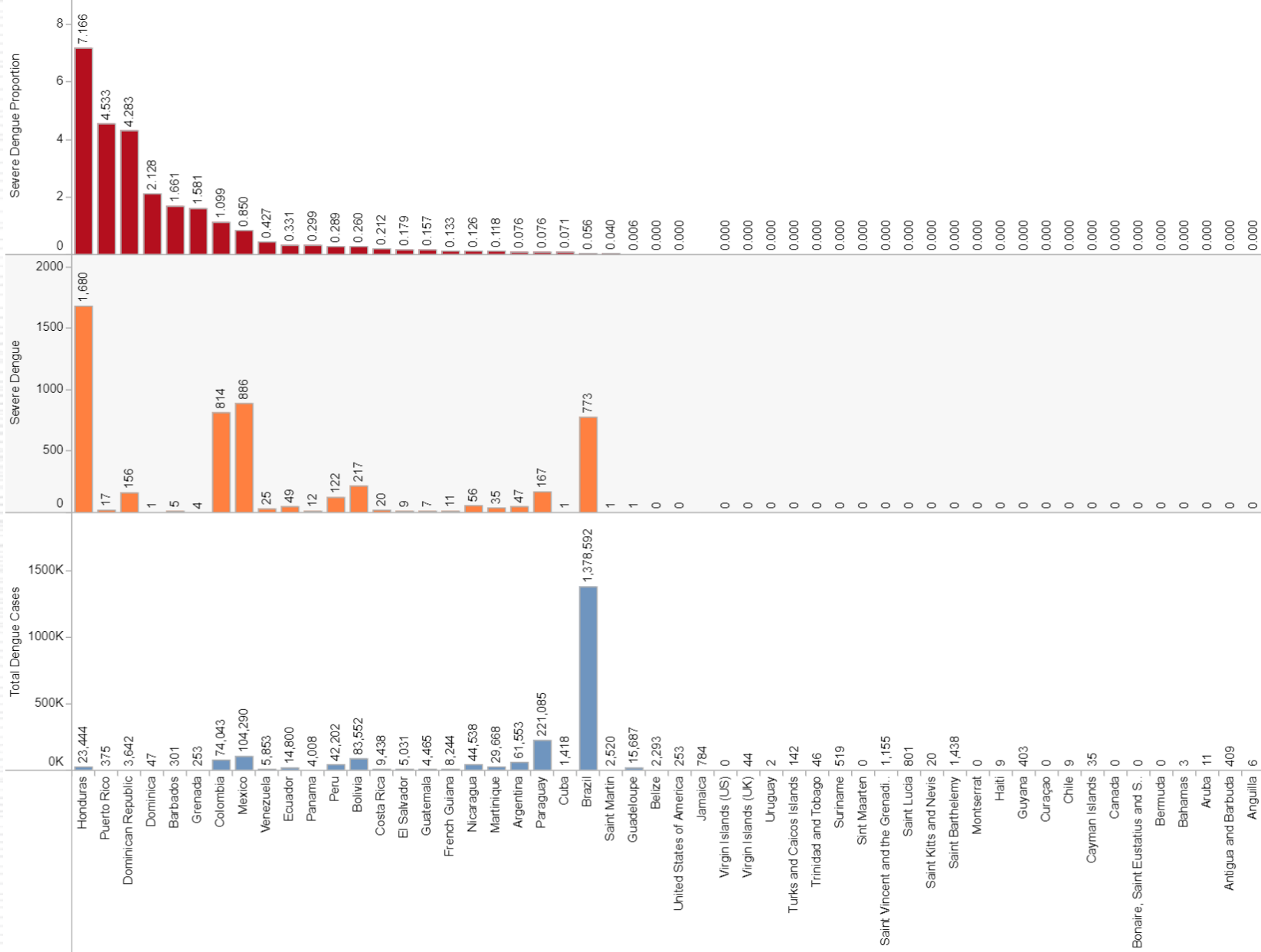
Source: www.paho.org/plisa

Dengue incidence rate (case per 100,000 pop.) in selected countries, 2019 (EW52) and 2020 (EW45)



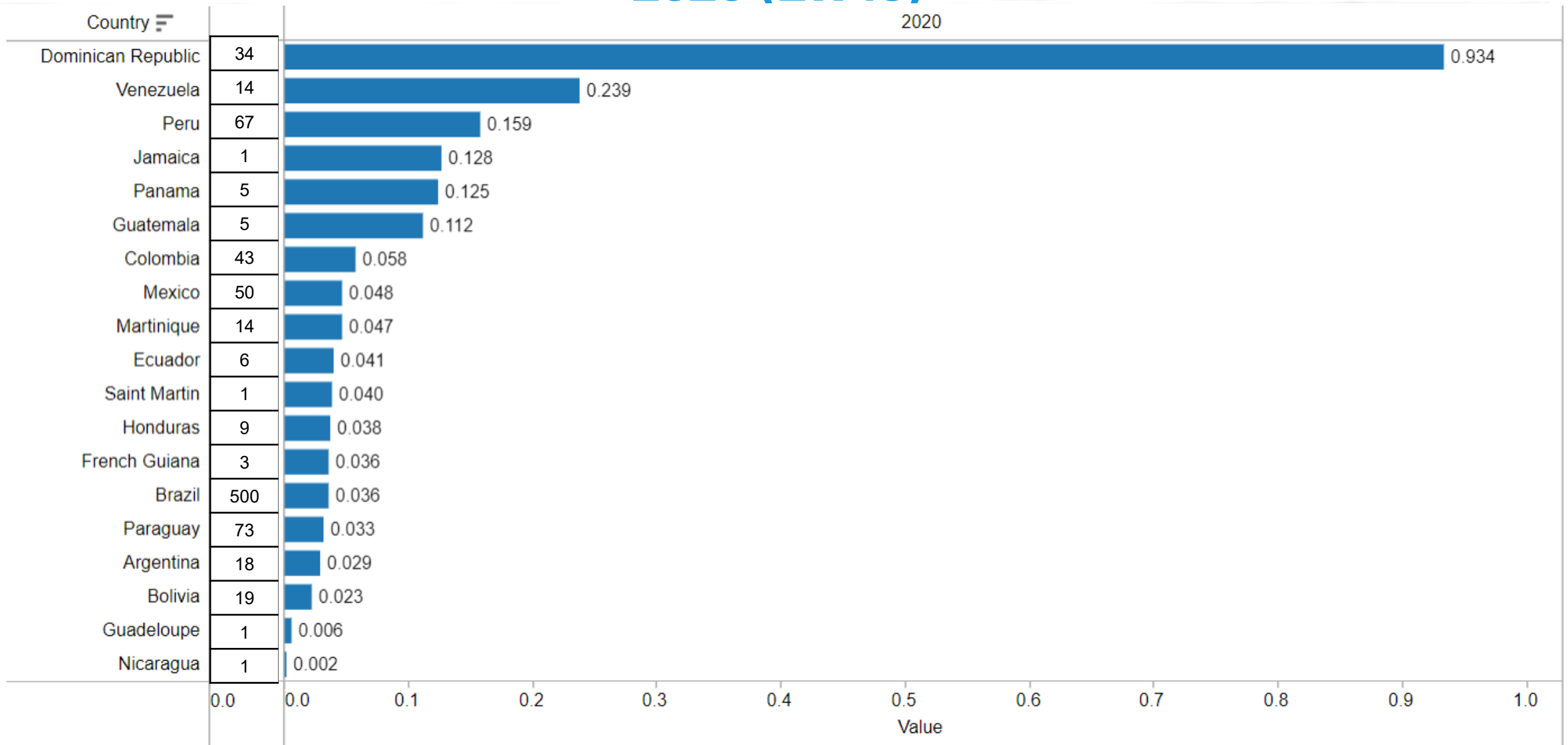
Source: www.paho.org/plisa

Dengue: proportion of severe cases, number of severe cases, and total number of cases, by countries, 2020 (EW45)



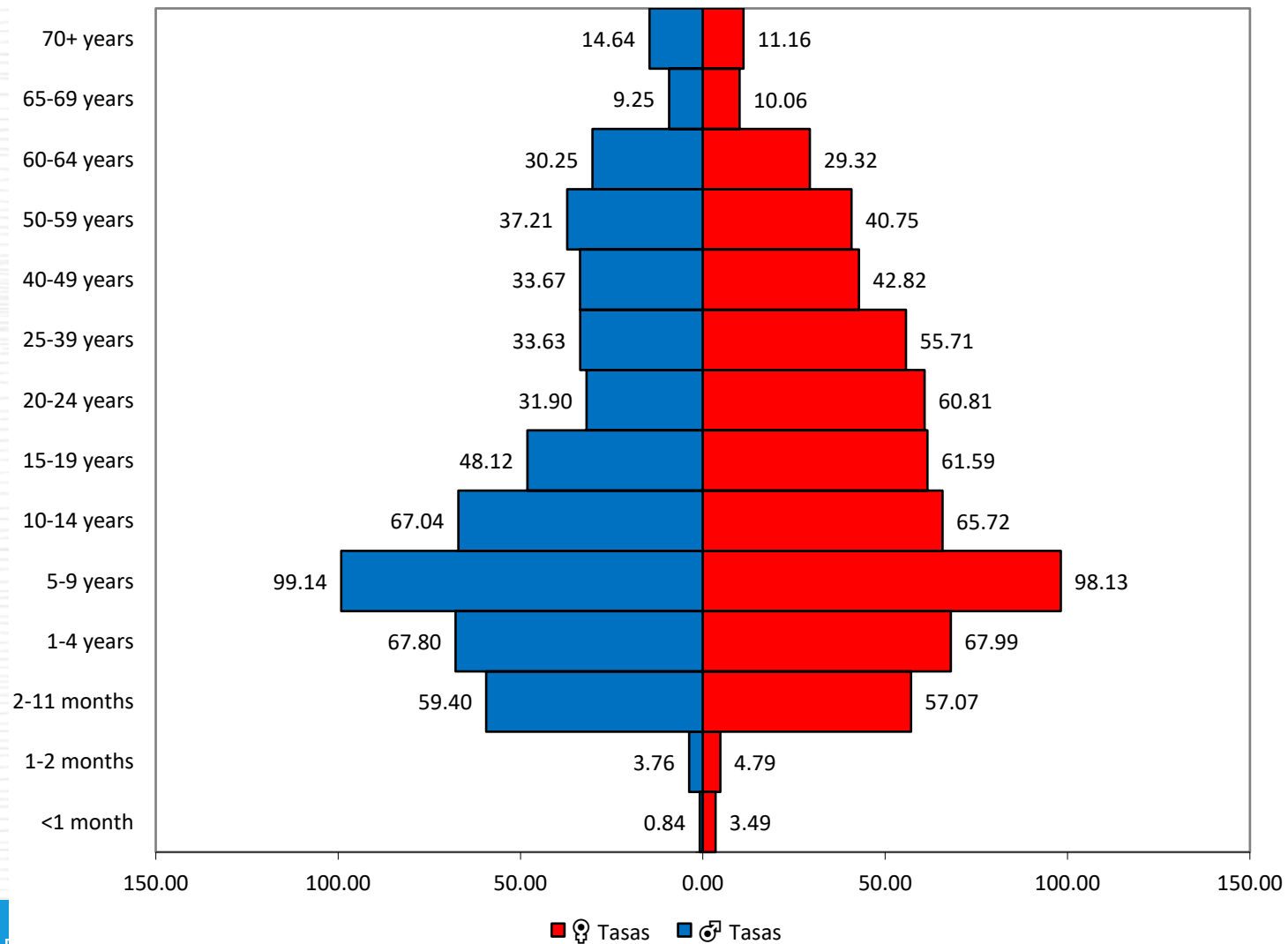
Source: Health Information Platform for the Americas (PIISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Dengue: number of deaths and case fatality rate, by countries, 2020 (EW45)

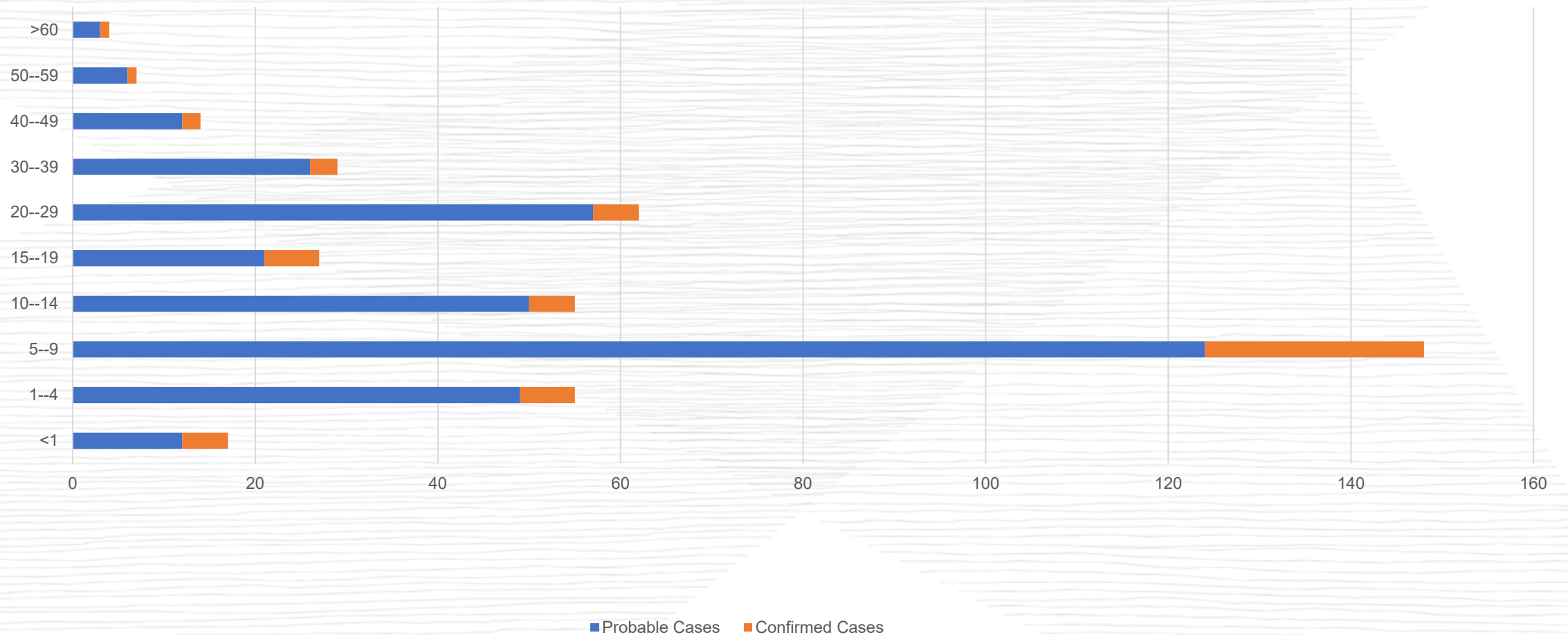


Dengue Rates by age group and sex Guatemala 2019

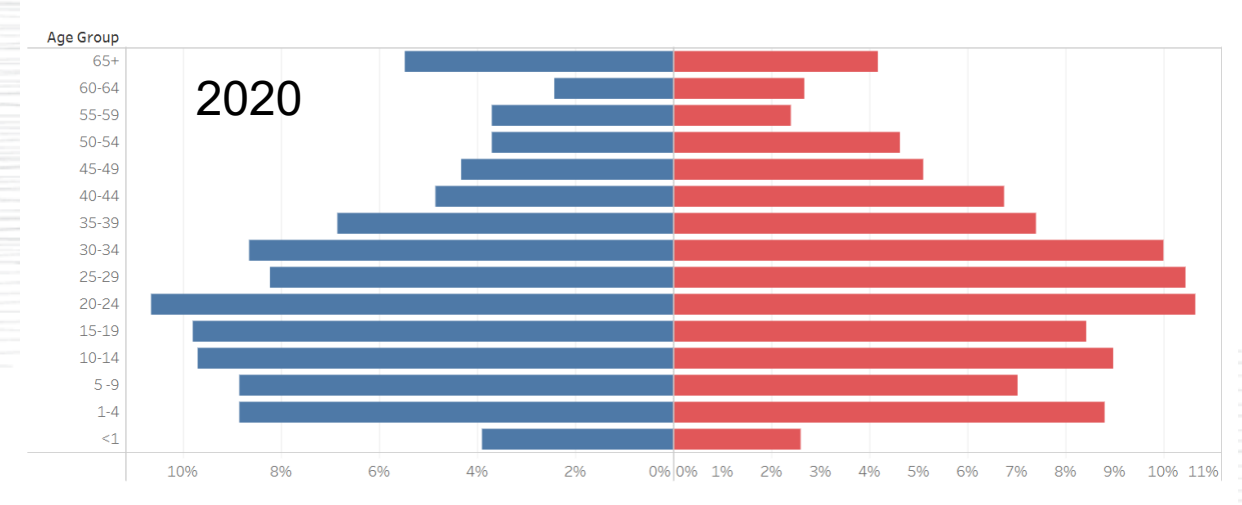
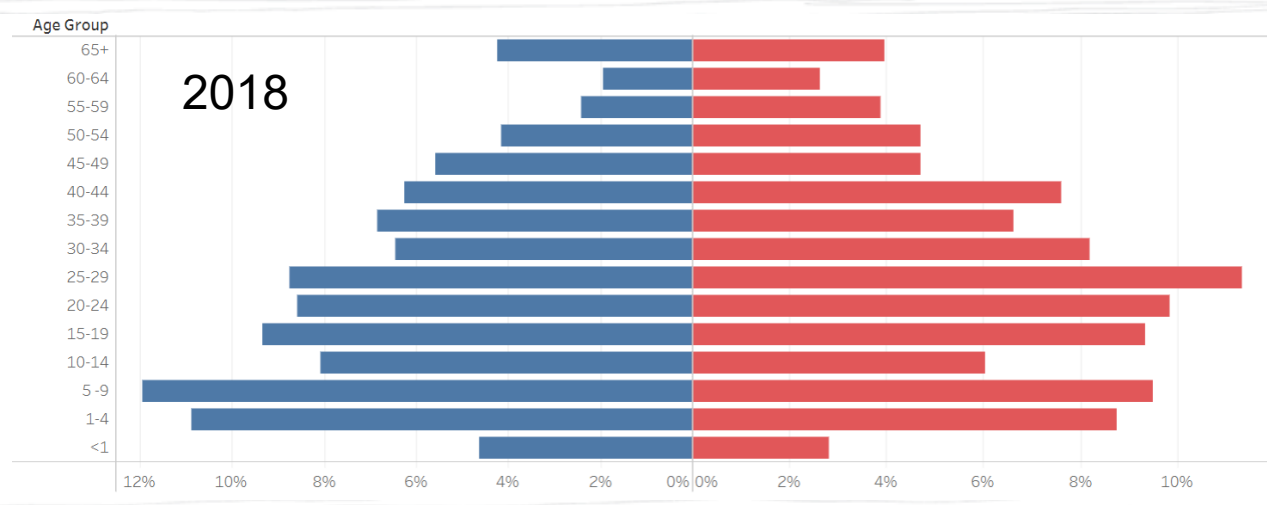
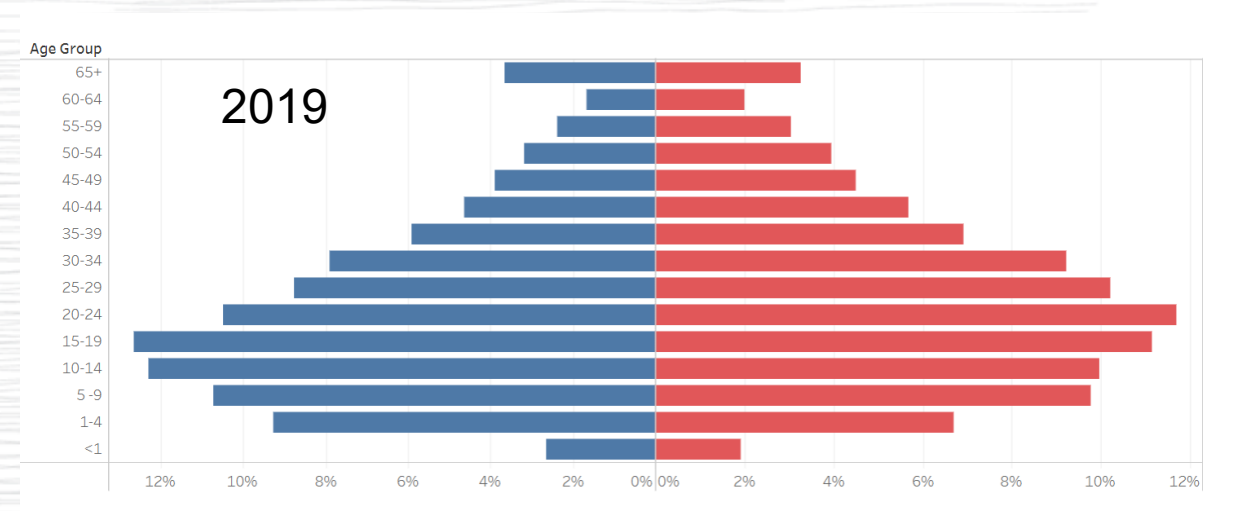
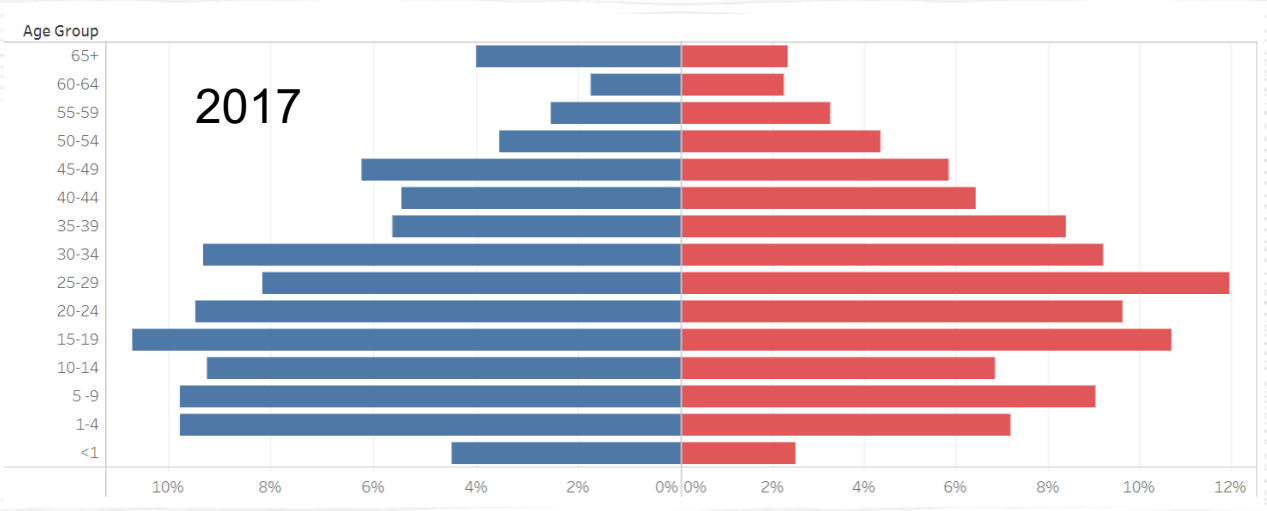
Most affected
age group
children from
5 to 9 years



Confirmed/probable cases of Dengue by age in El Salvador, 2019*

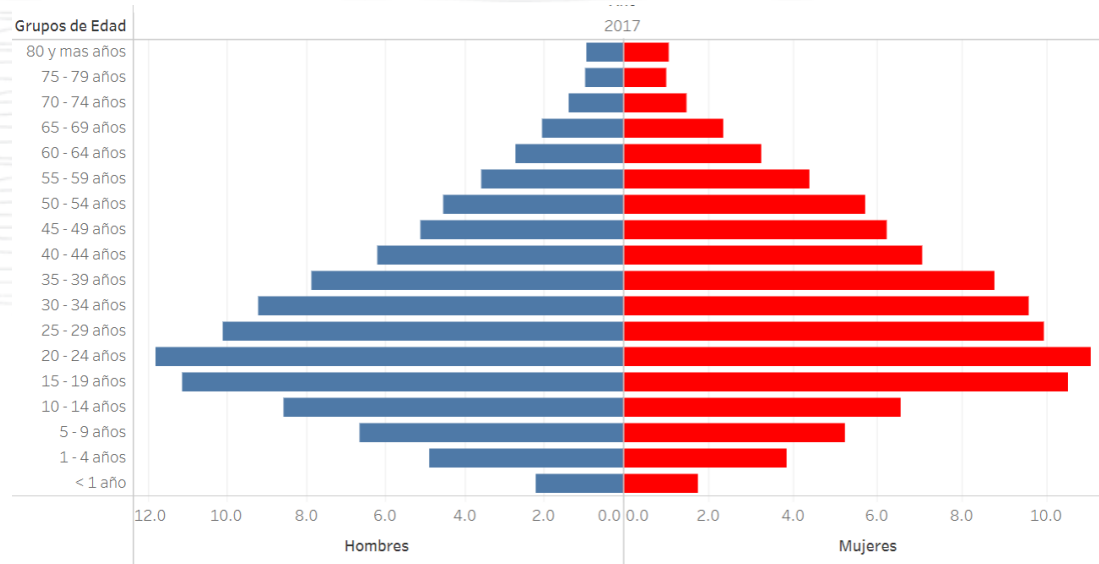


Belize: dengue cases by sex and age, 2017 – 2020 (EW45)

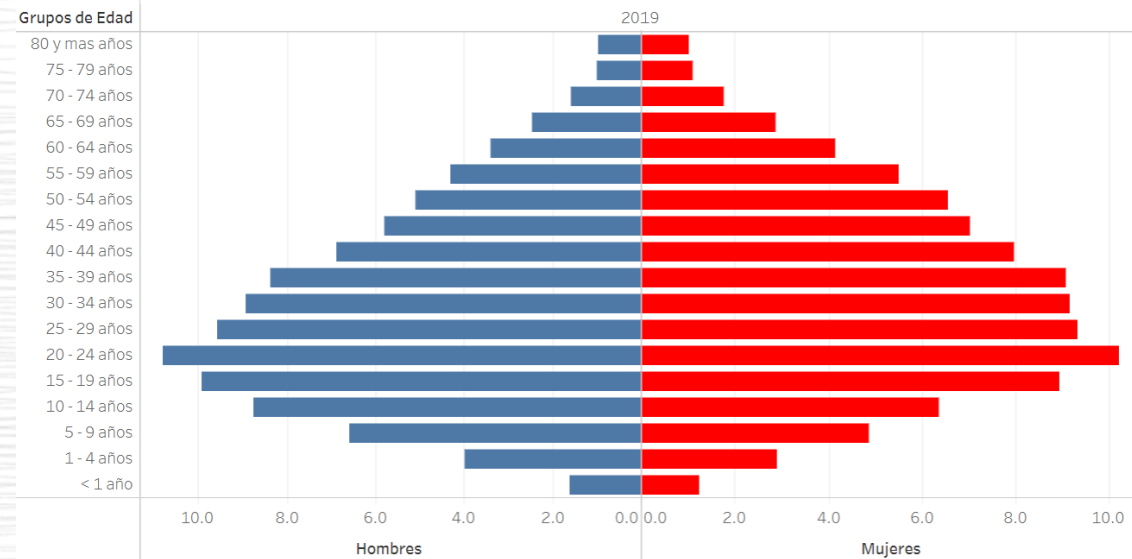


Brazil: dengue cases by sex and age, 2017 – 2020 (EW45)

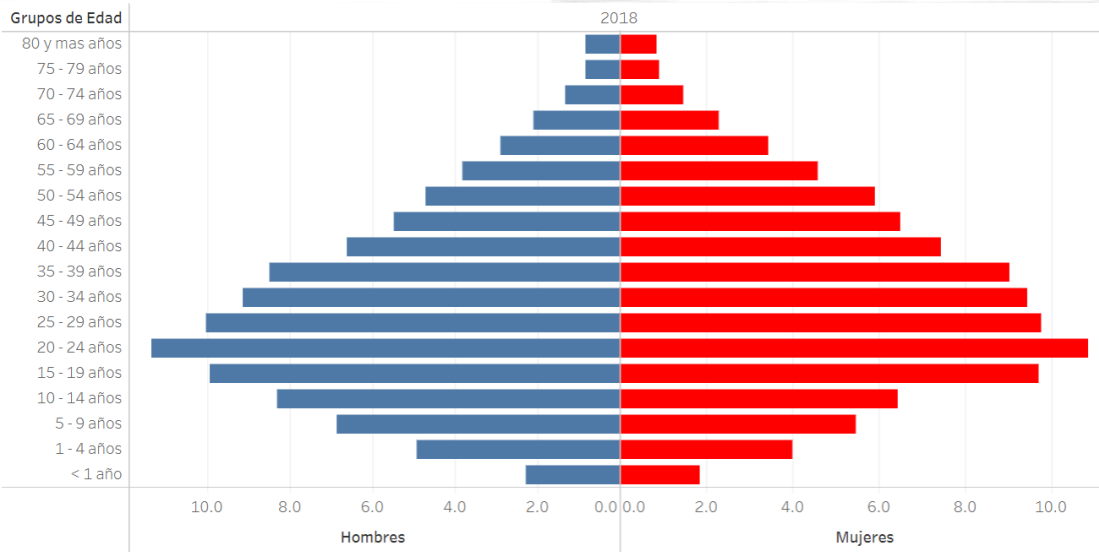
2017



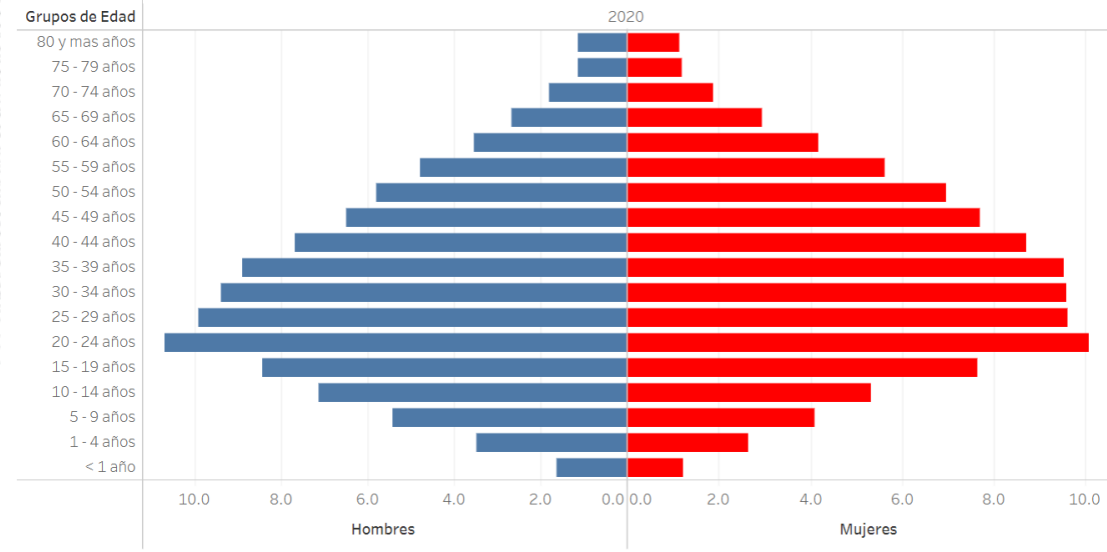
2019



2018

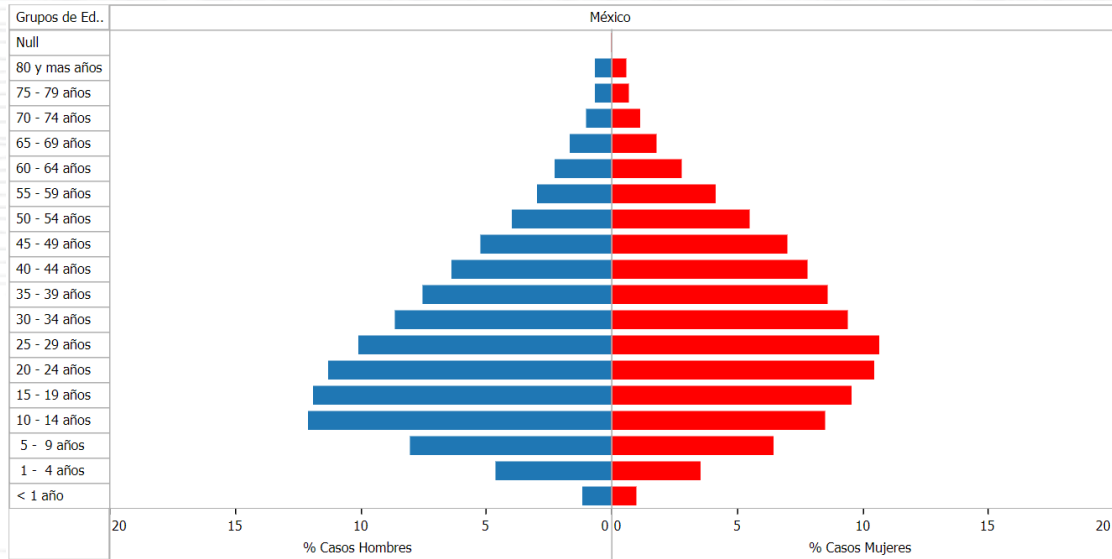


2020

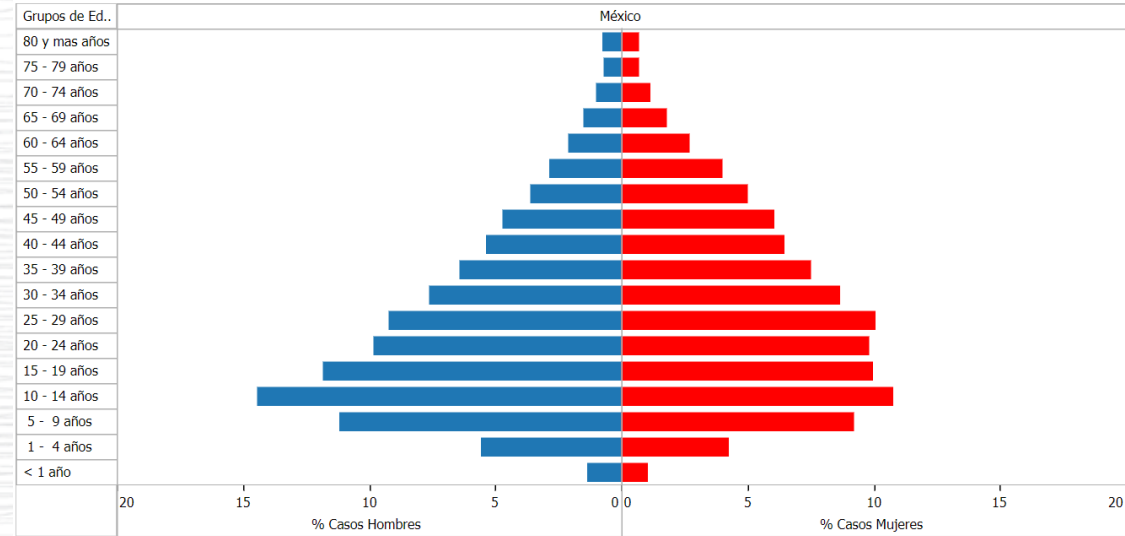


Mexico: dengue cases by sex and age, 2017 – 2020 (EW45)

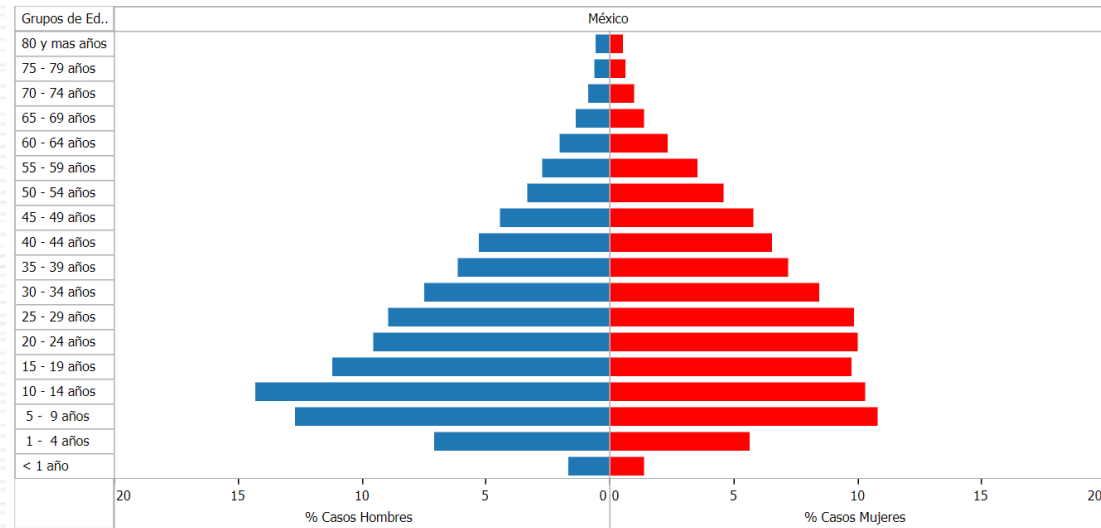
2017



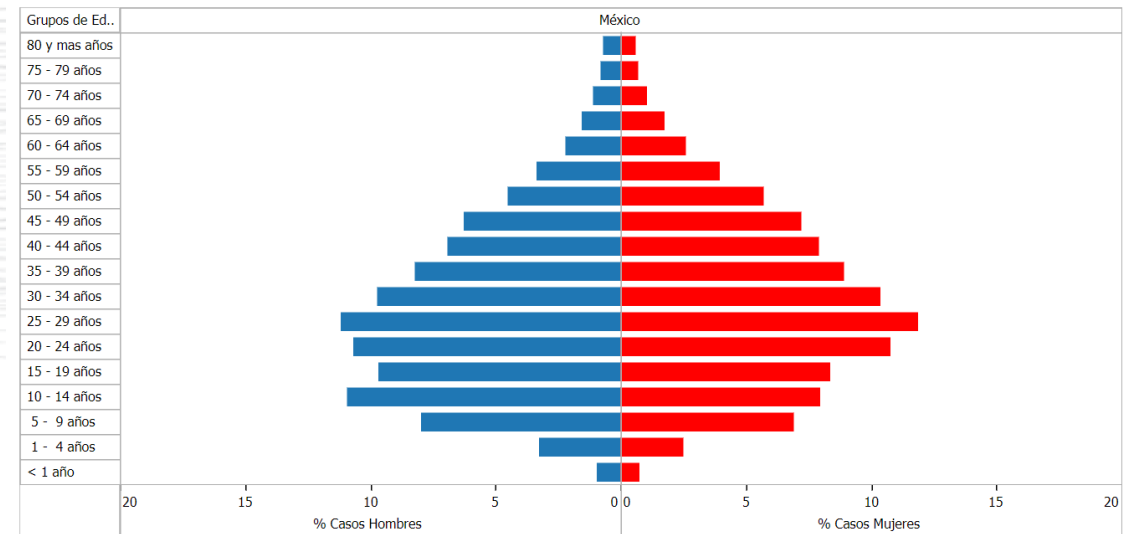
2019



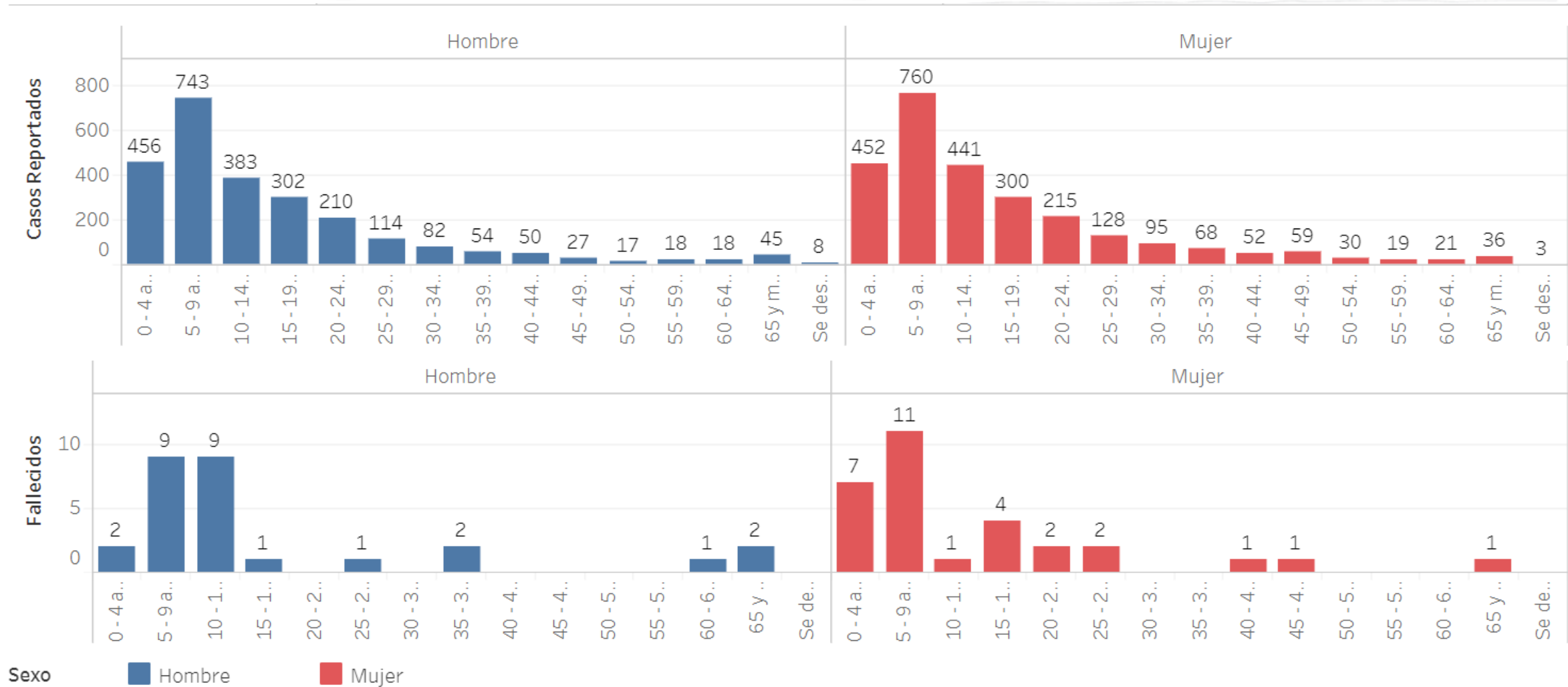
2018



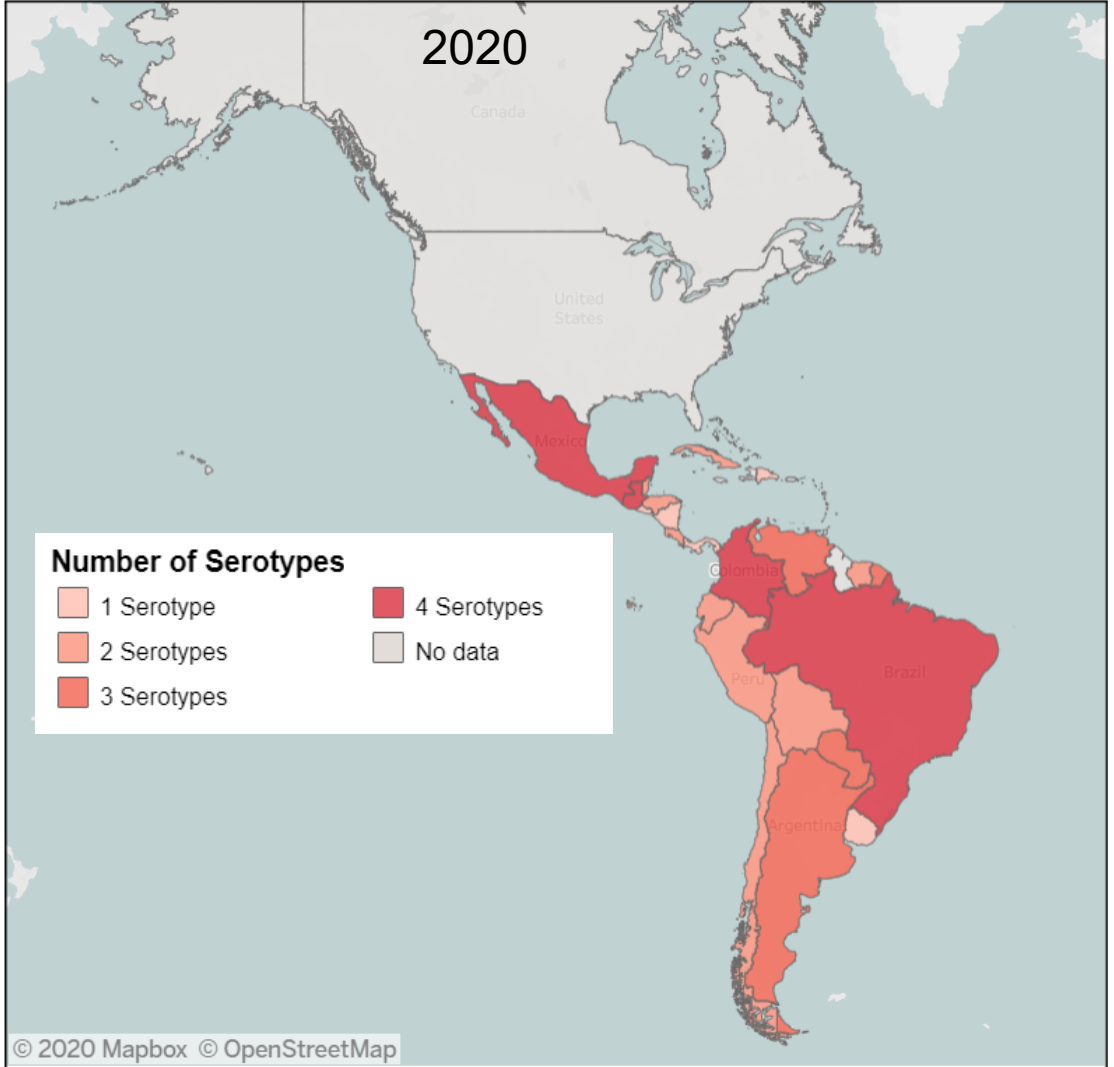
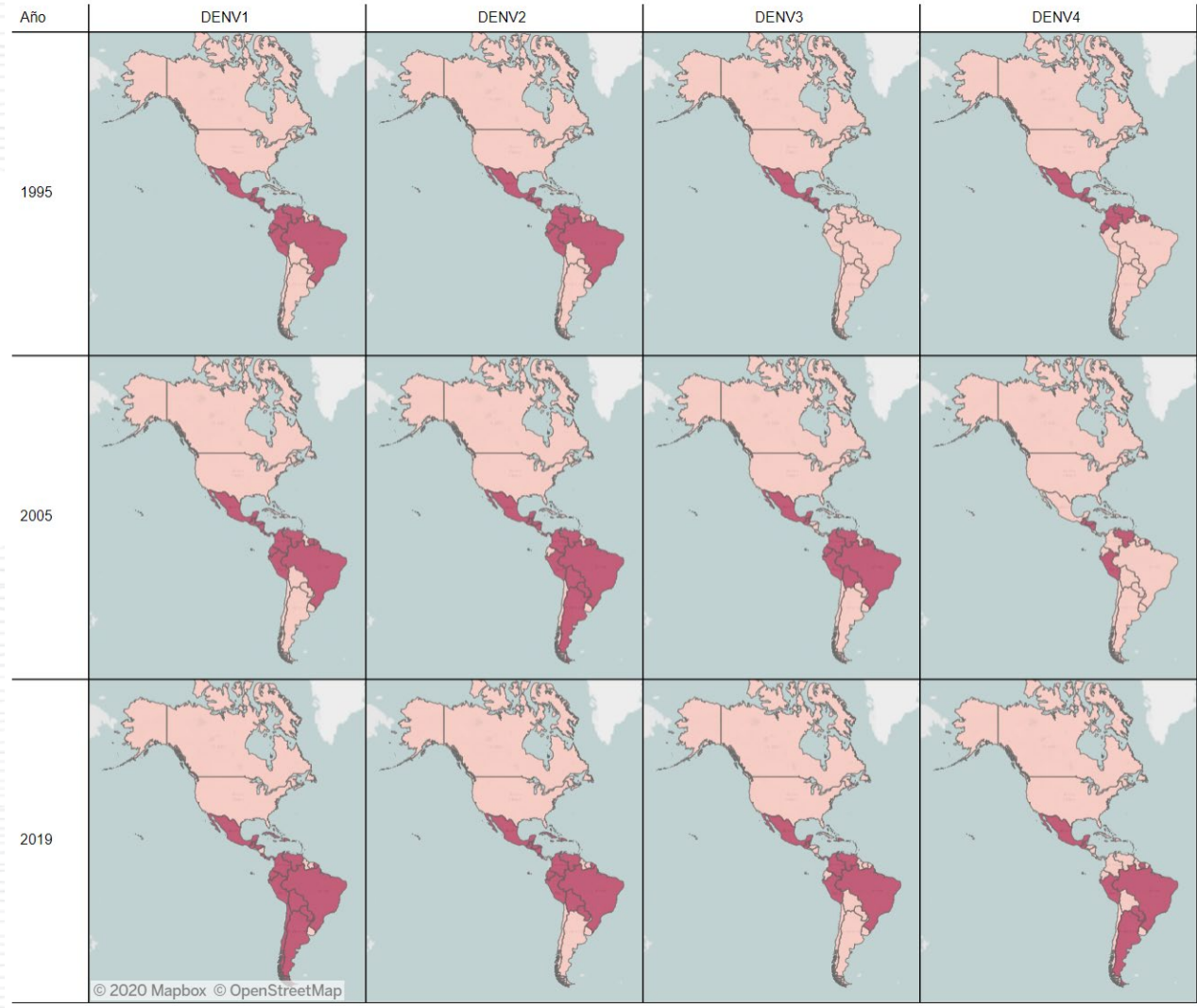
2020



Honduras (Sanitary región of Cortes): dengue cases and deaths by sex and age



Dengue: DENV serotypes in the Americas, 1995, 2005, 2019 and 2020 (EW45)



Fuente: Plataforma de Información en Salud de las Américas (PLISA). Datos reportados por los Ministerios e Institutos de Salud de los países y territorios de la Región.

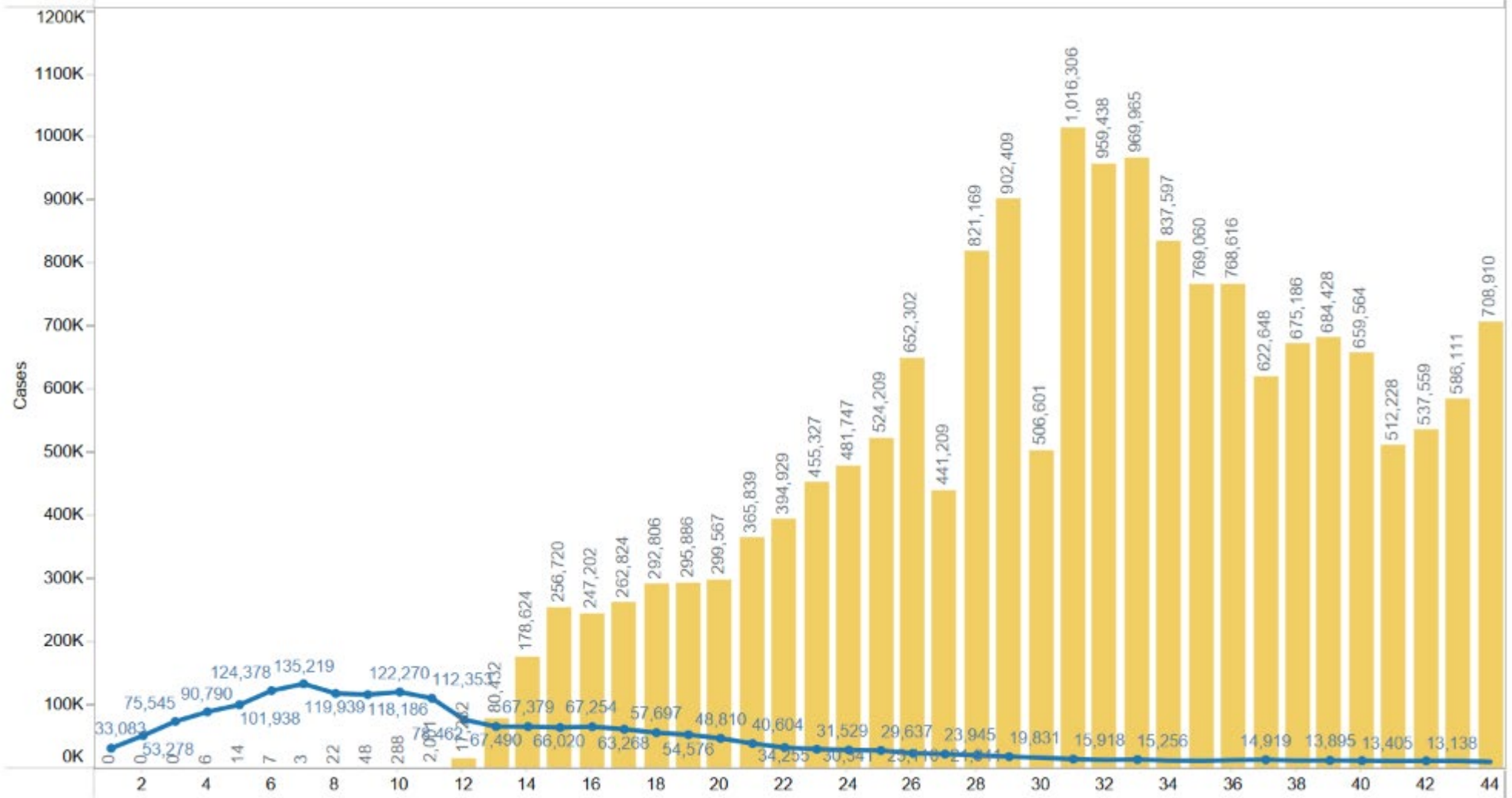
Dengue: circulation of DENV serotypes, by country, 2020 (EW45)

Country	DENV1	DENV2	DENV3	DENV4
Anguilla	●		●	
Antigua and Barbuda			●	
Argentina	●	●		●
Barbados			●	
Belize	●		●	
Bolivia	●	●		
Brazil	●	●	●	●
Cayman Islands		●		
Chile		●		
Colombia	●	●	●	●
Costa Rica	●	●		
Cuba	●	●		
Dominica		●	●	
Dominican Republic	●			
Ecuador	●	●		
El Salvador		●		
French Guiana	●	●	●	
Guadeloupe	●	●	●	
Guatemala	●	●	●	●
Honduras	●	●		
Martinique	●	●	●	
Mexico	●	●	●	●
Nicaragua		●		
Panama	●			
Paraguay	●	●		●
Peru	●	●		
Saint Barthelomy	●	●		
Saint Kitts and Nevis			●	
Saint Lucia		●	●	
Saint Martin	●	●	●	
Suriname		●		●
Turks and Caicos Islands	●			
Uruguay	●			
Venezuela	●	●	●	

Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Number of dengue and COVID-19 cases in Latin American and The Caribbean, 2020 (EW44)

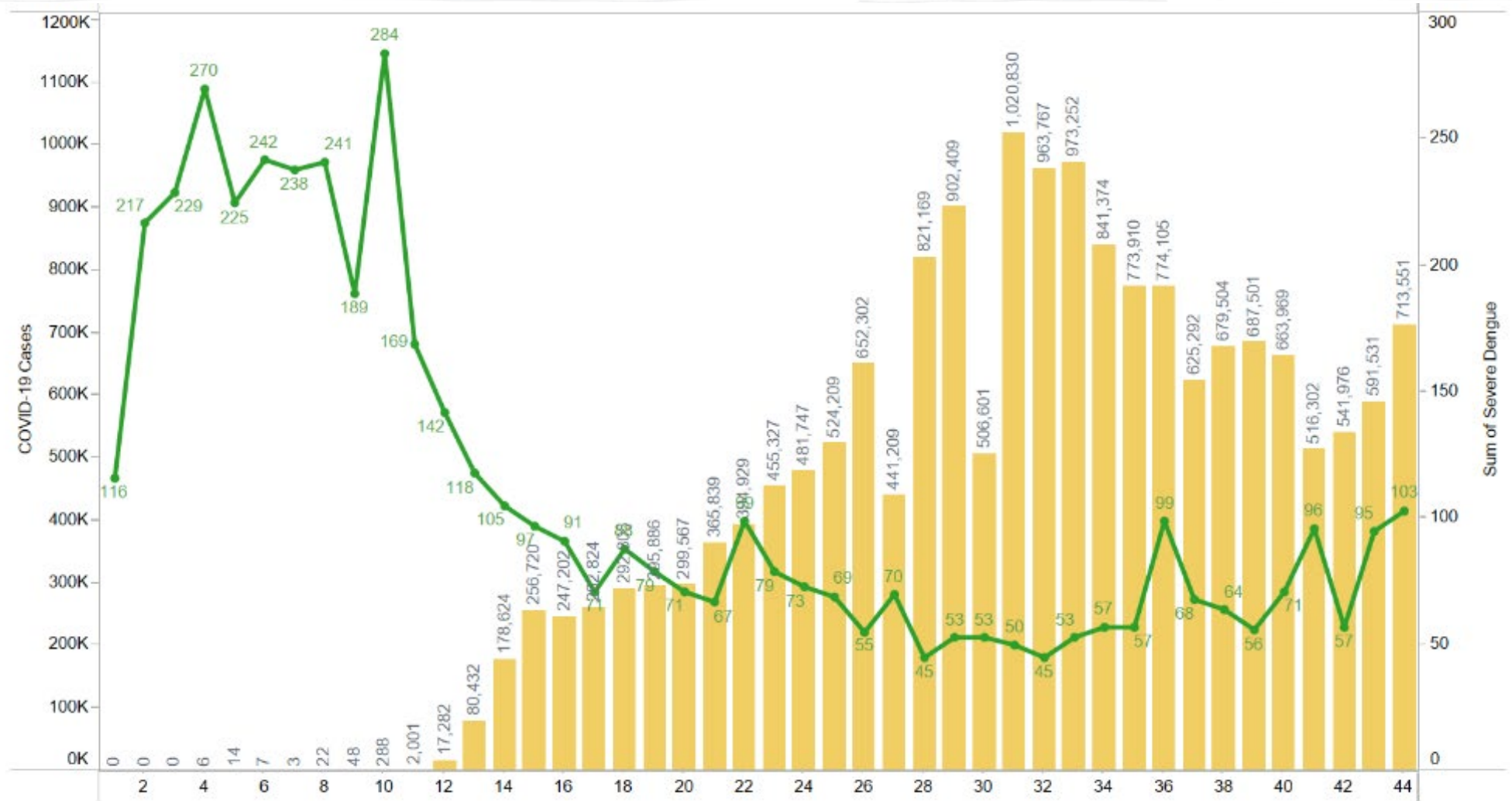
■ Dengue Cases
■ COVID19 Cases



Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Number of severe dengue cases and COVID-19 cases in Latin America and the Caribbean, 2020 (EW44)

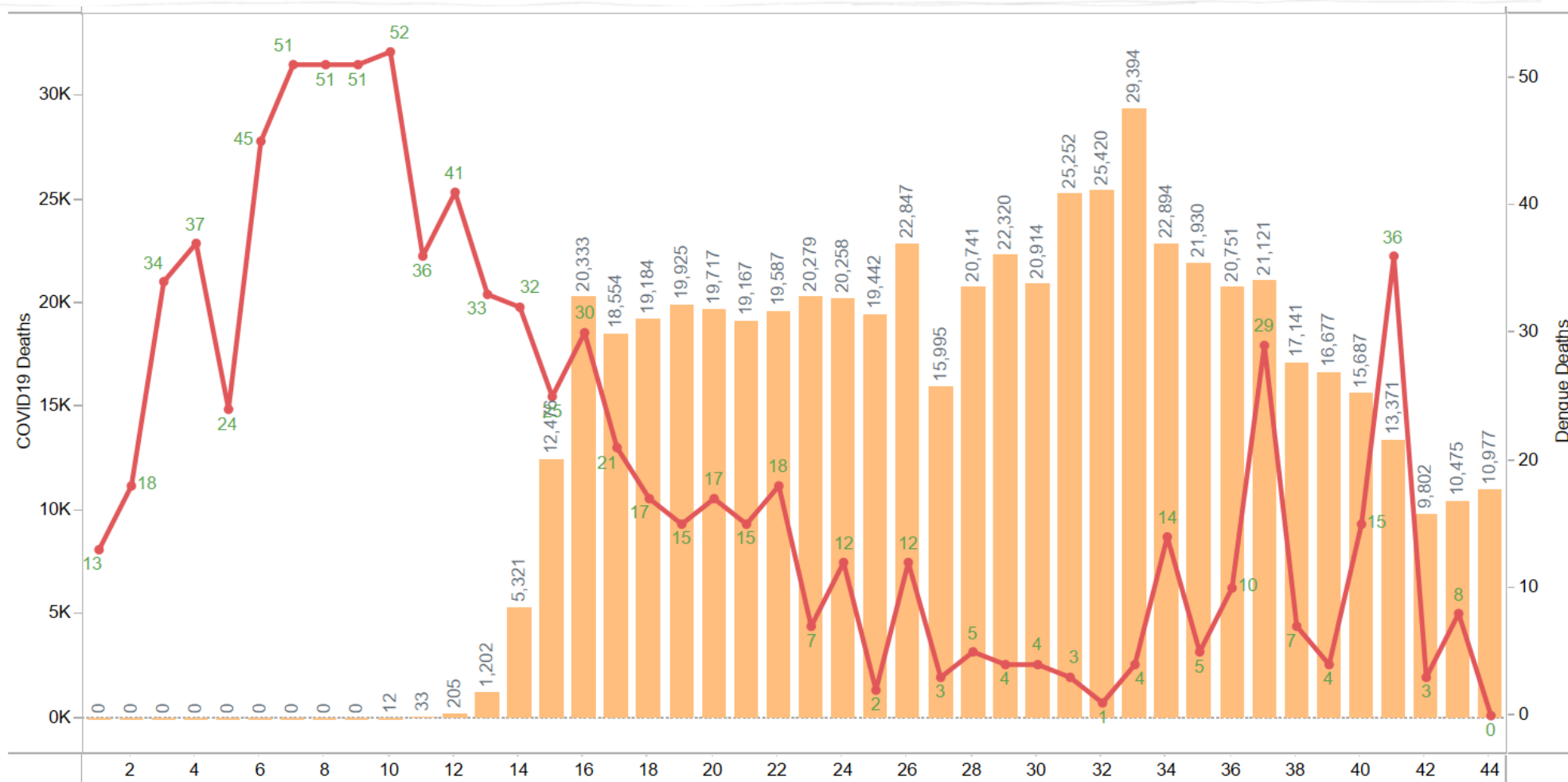
Severe Dengue
COVID19 Cases



Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Number of dengue deaths and COVID-19 deaths in Latin America and the Caribbean, 2020 (EW44)

■ Dengue Deaths
■ COVID19 Deaths



Source: Health Information Platform for the Americas (PLISA). Data reported by Ministries and Institutes of Health of the countries and territories in the Americas.

Take home points

- Post Zika seeing historic increases of dengue circulation, with many countries reporting co-circulation of multiple serotypes
- “Stay-home” orders for COVID served to reduce dengue figures as sick persons stayed home and did not transmit the virus as widely
- In spite of historic case burden, case fatality rates have consistently decreased over past decade in great part due to the new clinical management guidelines focused on the early detection of “severe dengue warning signs” at the primary healthcare level

Upcoming Training Resources

- Virtual Course on Clinical Management of Dengue (20 hours, self-directed)
 - <https://bit.ly/CVOPSDengue>
 - SPANISH version available now, English version available in late November
- Case Studies in the Management of Dengue (tomorrow 17:00-19:00 Washington DC time)
 - https://paho-org.zoom.us/webinar/register/WN_dW_qjtWcSFSJrtohRrqaog

THANK YOU!
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