

Week 12

Project Presentation
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About the Dataset

The data is on Malaria cases across the globe.

It consists of number of cases and deaths as a result of malaria according to countries, continents and regions of the world in the year 2017.

Methodology

The data was downloaded from [keggle.com](https://www.kaggle.com). It was reduced to 2017 only.

The data was cleaned and computed using pivot tables.

Percentage and descriptive analysis were used.

Results were presented in tables and charts.

Original dataset

S/N	Country	WHO Region	No. of cases	No. of deaths
1	Albanistan	Eastern Mediterranean	630308	298
2	Algeria	Africa	4615405	13318
3	Armenia	South-East Asia	32924	76
4	Bahrain	Africa	4111699	7238
5	Bhutan (Plurinational State of)	Americas	6531	2
6	Botswana	Africa	2989	7
7	Brazil	Americas	217928	30
8	Burkina Faso	Africa	799765	27793
9	Burundi	Africa	2113066	5253
10	Cambodia	Western Pacific	208324	845
11	Cameroon	Africa	7397313	13166
12	Central African Republic	Africa	1804550	4804
13	Chad	Africa	277488	8726
14	Colombia	Americas	8031	6
15	Congo	Americas	1019200	1993
16	Cote d'Ivoire	Africa	3171481	6078
17	Democratic Republic of the Congo	Africa	1502189	46001
18	Dominican Republic	Americas	403	3
19	Dominican Republic	Africa	431142	609
20	Equatorial Guinea	Africa	115929	222
21	Eritrea	Africa	724	13
22	Eswatini	Africa	2646954	516
23	Ghana	Africa	341989	505
24	Gambia	Africa	119044	674
25	Guinea	Africa	789044	10912
26	Guatemala	Americas	4739	7
27	Guinea	Africa	4282163	7562
28	Guinea-Bissau	Africa	107923	688
29	Honduras	Americas	24913	33
30	Haiti	Americas	32011	81
31	Indonesia	Americas	1691	3
32	India	South-East Asia	9590000	16733
33	Indonesia	South-East Asia	1505069	2889
34	Kenya	Africa	3520384	13467
35	Kiribati	Western Pacific	2024	30
36	Korea	Africa	91133	2227
37	Kazakhstan	Africa	2324208	3950
38	Kyrgyzstan	Africa	430354	7077
39	Laos	Africa	7162193	13425
40	Madagascar	Africa	238777	1421
41	Mali	Africa	10075823	14713
42	Mauritania	South-East Asia	116773	218
43	Mauritius	Africa	89011	226
44	Mexico	South-East Asia	3829	3
45	Moldova	Americas	1374	18
46	Mongolia	Africa	776777	17335
47	Morocco	Africa	53667563	81640
48	Mozambique	Eastern Mediterranean	301383	804
49	Myanmar	Western Pacific	150005	1031
50	Nicaragua	Americas	70243	10
51	Niger	Western Pacific	1325	34
52	Nigeria	Africa	617222	3279
53	North Macedonia	Africa	1024282	4523
54	North Macedonia	Africa	2869684	1798
55	Oman	Western Pacific	103483	134
56	Pakistan	Eastern Mediterranean	541768	1386
57	Pakistan	Eastern Mediterranean	1731704	6089
58	Pakistan	Eastern Mediterranean	1512914	3885
59	Pakistan	Africa	2801804	1411
60	Pakistan	Africa	860722	14195
61	Pakistan	Africa	6477823	22301
62	Pakistan	Western Pacific	2270	2
63	Pakistan (Islamic Republic of)	Americas	531109	456
64	Pakistan	Western Pacific	5481	9
65	Pakistan	Eastern Mediterranean	762993	1926
66	Pakistan	Africa	3475323	7018
67	Pakistan	Africa	1239430	3172
68	Pakistan	Africa	21894107	434798

Result: Death cases as a result of malaria according to WHO regions of the world

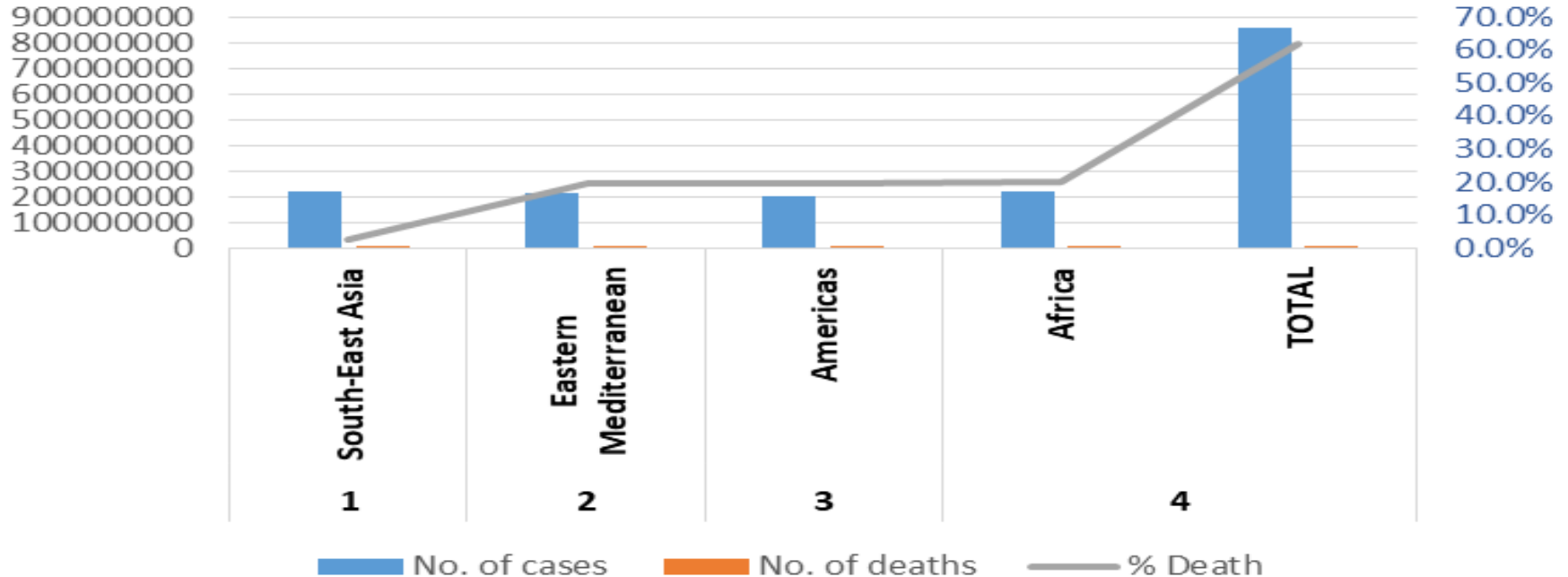
S/N	WHO Region	No. of cases	No. of deaths	% Death
1	South-East Asia	218941073	226405	2.6%
2	Eastern Mediterranean	214226121	424008	19.8%
3	Americas	204067109	401055	19.7%
4	Africa	218310765	434500	19.9%
	TOTAL	855545068	1485968	62.0%

Result shows higher death cases of malaria occurs in Africa with 19.9% followed by Eastern Mediterranean with 19.8%.

The least affected region is South-East Asia with just 2.6% death cases.

Dashboard: Summary of Malaria distribution according to WHO regions of the world

Malaria Cases Worldwide



Conclusion

- From the data analysis of this dataset, highest cases of malaria occurs in Africa and Eastern Mediterranean regions with lowest cases in South-East Asia.

Recommendation

- Countries in the Sub-Saharan Africa should improve their level of sanitation so as to reduce the number of cases of malaria.
- Insecticide treated mosquito nets should be used to reduce the number of malaria cases in the world.