

# NAAN MUDHALVAN DATA ANALYTICS

PHASE-3

PROJECT-1

PROJECT TITLE: COVID-19 VACCINE ANALYSIS

DOMAIN: DATA ANALYTICS

# Introduction:

- In the introduction section, you set the stage for the project by providing context and outlining the purpose of the analysis.
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- Briefly introduce the COVID-19 pandemic and its global impact.
- State the objective of the analysis, which is to examine and gain insights from COVID-19 cases and associated deaths data.

# Project Overview:

- This section provides an overview of what the project entails and its significance.
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- Describe the background of the COVID-19 pandemic and its relevance to public health and policy.
- Explain the importance of analyzing COVID-19 cases and deaths for informed decision-making.
- Project Development:
- Here, you'll detail the methodologies and tools used to conduct the analysis.

## Data set:

Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recoveries	Deaths / New cases	Recovered / New cases	Deaths / Recoveries	Confirmed 1 week change	Confirmed 1 week %	WHO Region	
Afghanistan	36263	1269	25198	9796	106	10	18	3.5	69.49	5.04	35526	737	2.07	Eastern Mediterranean
Albania	4880	144	2745	1991	117	6	63	2.95	56.25	5.25	4171	709	17	Europe
Algeria	27973	1163	18837	7973	616	8	749	4.16	67.34	6.17	23691	4282	18.07	Africa
Andorra	907	52	803	52	10	0	0	5.73	88.53	6.48	884	23	2.6	Europe
Angola	950	41	242	667	18	1	0	4.32	25.47	16.94	749	201	26.84	Africa
Antigua and Barbuda	86	3	65	18	4	0	5	3.49	75.58	4.62	76	10	13.16	Americas
Argentina	167416	3059	72575	91782	4890	120	2057	1.83	43.35	4.21	130774	36642	28.02	Americas
Armenia	37390	711	26665	10014	73	6	187	1.9	71.32	2.67	34981	2409	6.89	Europe
Australia	15303	167	9311	5825	368	6	137	1.09	60.84	1.79	12428	2875	23.13	Western Pacific
Austria	20558	713	18246	1599	86	1	37	3.47	88.75	3.91	19743	815	4.13	Europe
Azerbaijan	30446	423	23242	6781	396	6	558	1.39	76.34	1.82	27890	2556	9.16	Europe
Bahamas	382	11	91	280	40	0	0	2.88	23.82	12.09	174	208	119.54	Americas
Bahrain	39482	141	36110	3231	351	1	421	0.36	91.46	0.39	36936	2546	6.89	Eastern Mediterranean
Bangladesh	226225	2965	125683	97577	2772	37	1801	1.31	55.56	2.36	207453	18772	9.05	South-East Asia
Barbados	110	7	94	9	0	0	0	6.36	85.45	7.45	106	4	3.77	Americas
Belarus	67251	538	60492	6221	119	4	67	0.8	89.95	0.89	66213	1038	1.57	Europe
Belgium	66428	9822	17452	39154	402	1	14	14.79	26.27	56.28	64094	2334	3.64	Europe
Belize	48	2	26	20	0	0	0	4.17	54.17	7.69	40	8	20	Americas
Benin	1770	35	1036	699	0	0	0	1.98	58.53	3.38	1602	168	10.49	Africa
Bhutan	99	0	86	13	4	0	1	0	86.87	0	90	9	10	South-East Asia
Bolivia	71181	2647	21478	47056	1752	64	309	3.72	30.17	12.32	60991	10190	16.71	Americas
Bosnia and Herzegovina	10498	294	4930	5274	731	14	375	2.8	46.96	5.96	8479	2019	23.81	Europe
Botswana	739	2	63	674	53	1	11	0.27	8.53	3.17	522	217	41.57	Africa
Brazil	2E+06	87618	2E+06	508116	23284	614	33728	3.59	75.61	4.74	2E+06	323729	15.28	Americas
Brunei	141	3	138	0	0	0	0	2.13	97.87	2.17	141	0	0	Western Pacific
Bulgaria	10621	347	5585	4689	194	7	230	3.27	52.58	6.21	8929	1692	18.95	Europe
Burkina Faso	1100	53	926	121	14	0	6	4.82	84.18	5.72	1065	35	3.29	Africa
Burma	350	6	292	52	0	0	2	1.71	83.43	2.05	341	9	2.64	South-East Asia

Burundi	378	1	301	76	17	0	22	0.26	79.63	0.33	322	56	17.39	Africa
Cabo Verde	2328	22	1550	756	21	0	103	0.95	66.58	1.42	2071	257	12.41	Africa
Cambodia	226	0	147	79	1	0	4	0	65.04	0	171	55	32.16	Western Pacific
Cameroon	17110	391	14539	2180	402	6	0	2.29	84.97	2.69	16157	953	5.9	Africa
Canada	116458	8944	0	107514	682	11	0	7.68	0	inf	112925	3533	3.13	Americas
Central Africa	4599	59	1546	2994	0	0	0	1.28	33.62	3.82	4548	51	1.12	Africa
Chad	922	75	810	37	7	0	0	8.13	87.85	9.26	889	33	3.71	Africa
Chile	347923	9187	319954	18782	2133	75	1859	2.64	91.96	2.87	333029	14894	4.47	Americas
China	86783	4656	78869	3258	213	4	7	5.37	90.88	5.9	85622	1161	1.36	Western Pacific
Colombia	257101	8777	131161	117163	16306	508	11494	3.41	51.02	6.69	204005	53096	26.03	Americas
Comoros	354	7	328	19	0	0	0	1.98	92.66	2.13	334	20	5.99	Africa
Congo (Brazzaville)	3200	54	829	2317	162	3	73	1.69	25.91	6.51	2851	349	12.24	Africa
Congo (Kinshasa)	8844	208	5700	2936	13	4	190	2.35	64.45	3.65	8443	401	4.75	Africa
Costa Rica	15841	115	3824	11902	612	11	88	0.73	24.14	3.01	11534	4307	37.34	Americas
Cote d'Ivoire	15655	96	10361	5198	59	0	183	0.61	66.18	0.93	14312	1343	9.38	Africa
Croatia	4881	139	3936	806	24	3	70	2.85	80.64	3.53	4370	511	11.69	Europe
Cuba	2532	87	2351	94	37	0	2	3.44	92.85	3.7	2446	86	3.52	Americas
Cyprus	1060	19	852	189	3	0	0	1.79	80.38	2.23	1038	22	2.12	Europe
Czechia	15516	373	11428	3715	192	2	0	2.4	73.65	3.26	14098	1418	10.06	Europe
Denmark	13761	613	12605	543	109	0	77	4.45	91.6	4.86	13453	308	2.29	Europe
Djibouti	5059	58	4977	24	9	0	11	1.15	98.38	1.17	5020	39	0.78	Eastern Mediterranean
Dominica	18	0	18	0	0	0	0	0	100	0	18	0	0	Americas
Dominican Republic	64156	1083	30204	32869	1248	20	1601	1.69	47.08	3.59	53956	10200	18.9	Americas
Ecuador	81161	5532	34896	40733	467	17	0	6.82	43	15.85	74620	6541	8.77	Americas
Egypt	92482	4652	34838	52992	420	46	1007	5.03	37.67	13.35	88402	4080	4.62	Eastern Mediterranean
El Salvador	15035	408	7778	6849	405	8	130	2.71	51.73	5.25	12207	2828	23.17	Americas
Equatorial Guinea	3071	51	842	2178	0	0	0	1.66	27.42	6.06	3071	0	0	Africa
Eritrea	265	0	191	74	2	0	2	0	72.08	0	251	14	5.58	Africa
Estonia	2034	69	1923	42	0	0	1	3.39	94.54	3.59	2021	13	0.64	Europe

Eswatini	2316	34	1025	1257	109	2	39	1.47	44.26	3.32	1826	490	26.83	Africa
Ethiopia	14547	228	6386	7933	579	5	170	1.57	43.9	3.57	10207	4340	42.52	Africa
Fiji	27	0	18	9	0	0	0	0	66.67	0	27	0	0	Western Pacific
Finland	7398	329	6920	149	5	0	0	4.45	93.54	4.75	7340	58	0.79	Europe
France	220352	30212	81212	108928	2551	17	267	13.71	36.86	37.2	214023	6329	2.96	Europe
Gabon	7189	49	4682	2458	205	0	219	0.68	65.13	1.05	6433	756	11.75	Africa
Gambia	326	8	66	252	49	2	6	2.45	20.25	12.12	112	214	191.07	Africa
Georgia	1137	16	922	199	6	0	2	1.41	81.09	1.74	1039	98	9.43	Europe
Germany	207112	9125	190314	7673	445	1	259	4.41	91.89	4.79	203325	3787	1.86	Europe
Ghana	33624	168	29801	3655	655	0	307	0.5	88.63	0.56	28430	5194	18.27	Africa
Greece	4227	202	1374	2651	34	0	0	4.78	32.51	14.7	4012	215	5.36	Europe
Greenland	14	0	13	1	1	0	0	0	92.86	0	13	1	7.69	Europe
Grenada	23	0	23	0	0	0	0	0	100	0	23	0	0	Americas
Guatemala	45309	1761	32455	11093	256	27	843	3.89	71.63	5.43	39039	6270	16.06	Americas
Guinea	7055	45	6257	753	47	2	105	0.64	88.69	0.72	6590	465	7.06	Africa
Guinea-Bi	1954	26	803	1125	0	0	0	1.33	41.1	3.24	1949	5	0.26	Africa
Guyana	389	20	181	188	19	0	0	5.14	46.53	11.05	337	52	15.43	Americas
Haiti	7340	158	4365	2817	25	1	0	2.15	59.47	3.62	7053	287	4.07	Americas
Holy See	12	0	12	0	0	0	0	0	100	0	12	0	0	Europe
Honduras	39741	1166	5039	33536	465	50	117	2.93	12.68	23.14	34611	5130	14.82	Americas
Hungary	4448	596	3329	523	13	0	0	13.4	74.84	17.9	4339	109	2.51	Europe
Iceland	1854	10	1823	21	7	0	0	0.54	98.33	0.55	1839	15	0.82	Europe
India	1E+06	33408	951166	495499	44457	637	33598	2.26	64.26	3.51	1E+06	324735	28.11	South-East Asia



India	1E+06	33408	951166	495499	44457	637	33598	2.26	64.26	3.51	1E+06	324735	28.11	South-East Asia
Indonesia	100303	4838	58173	37292	1525	57	1518	4.82	58	8.32	88214	12089	13.7	South-East Asia
Iran	293606	15912	255144	22550	2434	212	1931	5.42	86.9	6.24	276202	17404	6.3	Eastern Mediterranean
Iraq	112585	4458	77144	30983	2553	96	1927	3.96	68.52	5.78	94693	17892	18.89	Eastern Mediterranean
Ireland	25892	1764	23364	764	11	0	0	6.81	90.24	7.55	25766	126	0.49	Europe
Israel	63985	474	27133	36378	2029	4	108	0.74	42.41	1.75	52003	11982	23.04	Europe
Italy	246286	35112	198593	12581	168	5	147	14.26	80.64	17.68	244624	1662	0.68	Europe
Jamaica	853	10	714	129	11	0	0	1.17	83.7	1.4	809	44	5.44	Americas
Japan	31142	998	21970	8174	594	0	364	3.2	70.55	4.54	25706	5436	21.15	Western Pacific
Jordan	1176	11	1041	124	8	0	0	0.94	88.52	1.06	1223	-47	-3.84	Eastern Mediterranean
Kazakhstan	84648	585	54404	29659	1526	0	1833	0.69	64.27	1.08	73468	11180	15.22	Europe
Kenya	17975	285	7833	9857	372	5	90	1.59	43.58	3.64	13771	4204	30.53	Africa
Kosovo	7413	185	4027	3201	496	16	274	2.5	54.32	4.59	5877	1536	26.14	Europe
Kuwait	64379	438	55057	8884	606	5	684	0.68	85.52	0.8	59763	4616	7.72	Eastern Mediterranean
Kyrgyzstan	33296	1301	21205	10790	483	24	817	3.91	63.69	6.14	27143	6153	22.67	Europe
Laos	20	0	19	1	0	0	0	0	95	0	19	1	5.26	Western Pacific
Latvia	1219	31	1045	143	0	0	0	2.54	85.73	2.97	1192	27	2.27	Europe
Lebanon	3882	51	1709	2122	132	0	17	1.31	44.02	2.98	2905	977	33.63	Eastern Mediterranean
Lesotho	505	12	128	365	0	0	0	2.38	25.35	9.38	359	146	40.67	Africa
Liberia	1167	72	646	449	5	0	5	6.17	55.36	11.15	1107	60	5.42	Africa
Libya	2827	64	577	2186	158	4	24	2.26	20.41	11.09	1980	847	42.78	Eastern Mediterranean
Liechtenstein	86	1	81	4	0	0	0	1.16	94.19	1.23	86	0	0	Europe
Lithuania	2019	80	1620	319	11	0	4	3.96	80.24	4.94	1947	72	3.7	Europe
Luxembourg	6321	112	4825	1384	49	0	178	1.77	76.33	2.32	5639	682	12.09	Europe
Madagascar	9690	91	6260	3339	395	6	681	0.94	64.6	1.45	7153	2537	35.47	Africa
Malawi	3664	99	1645	1920	24	0	6	2.7	44.9	6.02	2992	672	22.46	Africa
Malaysia	8904	124	8601	179	7	0	1	1.39	96.6	1.44	8800	104	1.18	Western Pacific
Maldives	3369	15	2547	807	67	0	19	0.45	75.6	0.59	2999	370	12.34	South-East Asia
Mali	2513	124	1913	476	3	1	2	4.93	76.12	6.48	2475	38	1.54	Africa

Malta	701	9	665	27	1	0	0	28	94.86	1.35	677	24	3.55	Europe
Mauritani	6208	156	4653	1399	37	0	223	2.51	74.95	3.35	5923	285	4.81	Africa
Mauritius	344	10	332	2	0	0	0	2.91	96.51	3.01	343	1	0.29	Africa
Mexico	395489	44022	303810	47657	4973	342	8588	11.13	76.82	14.49	349396	46093	13.19	Americas
Moldova	23154	748	16154	6252	120	13	245	3.23	69.77	4.63	21115	2039	9.66	Europe
Monaco	116	4	104	8	0	0	0	3.45	89.66	3.85	109	7	6.42	Europe
Mongolia	289	0	222	67	1	0	4	0	76.82	0	287	2	0.7	Western Pacific
Montenej	2893	45	809	2039	94	2	70	1.56	27.96	5.56	2188	705	32.22	Europe
Morocco	20887	316	16553	4018	609	3	115	1.51	79.25	1.91	17562	3325	18.93	Eastern Mediterranean
Mozambi	1701	11	0	1690	32	0	0	0.65	0	inf	1507	194	12.87	Africa
Namibia	1843	8	101	1734	68	0	26	0.43	5.48	7.92	1344	499	37.13	Africa
Nepal	18752	48	13754	4950	139	3	626	0.26	73.35	0.35	17844	908	5.09	South-East Asia
Netherlan	53413	6160	189	47064	419	1	0	11.53	0.35	3259.3	52132	1281	2.46	Europe
New Zeal	1557	22	1514	21	1	0	1	1.41	97.24	1.45	1555	2	0.13	Western Pacific
Nicaragua	3439	108	2492	839	0	0	0	3.14	72.46	4.33	3147	292	9.28	Americas
Niger	1132	69	1027	36	0	0	0	6.1	90.72	6.72	1105	27	2.44	Africa
Nigeria	41180	860	18203	22117	648	2	829	2.09	44.2	4.72	37225	3955	10.62	Africa
North Ma	10213	466	5564	4183	127	6	137	4.56	54.48	8.38	9249	964	10.42	Europe
Norway	9132	255	8752	125	15	0	0	2.79	95.84	2.91	9034	98	1.08	Europe
Oman	77058	393	57028	19637	1053	9	1729	0.51	74.01	0.69	68400	8658	12.66	Eastern Mediterranean
Pakistan	274289	5842	241026	27421	1176	20	3592	2.13	87.87	2.42	266096	8193	3.08	Eastern Mediterranean
Panama	61442	1322	35086	25034	1146	28	955	2.15	57.1	3.77	54426	7016	12.89	Americas
Papua Ne	62	0	11	51	0	0	0	0	17.74	0	19	43	226.32	Western Pacific
Paraguay	4548	43	2905	1600	104	2	111	0.95	63.87	1.48	3748	800	21.34	Americas
Peru	389717	18418	272547	98752	13756	575	4697	4.73	69.93	6.76	357681	32036	8.96	Americas
Philippine	82040	1945	26446	53649	1592	13	336	2.37	32.24	7.35	68898	13142	19.07	Western Pacific
Poland	43402	1676	32856	8870	337	5	103	3.86	75.7	5.1	40383	3019	7.48	Europe
Portugal	50299	1719	35375	13205	135	2	158	3.42	70.33	4.86	48771	1528	3.13	Europe
Qatar	109597	165	106328	3104	292	0	304	0.15	97.02	0.16	107037	2560	2.39	Eastern Mediterranean



Romania	45902	2206	25794	17902	1104	19	151	4.81	56.19	8.55	38139	7763	20.35	Europe
Russia	816680	13334	602249	201097	5607	85	3077	1.63	73.74	2.21	776212	40468	5.21	Europe
Rwanda	1879	5	975	899	58	0	57	0.27	51.89	0.51	1629	250	15.35	Africa
Saint Kitts	17	0	15	2	0	0	0	0	88.24	0	17	0	0	Americas
Saint Luci	24	0	22	2	0	0	0	0	91.67	0	23	1	4.35	Americas
Saint Vinc	52	0	39	13	0	0	0	0	75	0	50	2	4	Americas
San Marin	699	42	657	0	0	0	0	6.01	93.99	6.39	699	0	0	Europe
Sao Tome	865	14	734	117	2	0	38	1.62	84.86	1.91	746	119	15.95	Africa
Saudi Ara	268934	2760	222936	43238	1993	27	2613	1.03	82.9	1.24	253349	15585	6.15	Eastern Mediterranean
Senegal	9764	194	6477	3093	83	3	68	1.99	66.34	3	8948	816	9.12	Africa
Serbia	24141	543	0	23598	411	9	0	2.25	0	inf	21253	2888	13.59	Europe
Seychelle	114	0	39	75	0	0	0	0	34.21	0	108	6	5.56	Africa
Sierra Lec	1783	66	1317	400	0	0	4	3.7	73.86	5.01	1711	72	4.21	Africa
Singapore	50838	27	45692	5119	469	0	171	0.05	89.88	0.06	48035	2803	5.84	Western Pacific
Slovakia	2181	28	1616	537	2	0	39	1.28	74.09	1.73	1980	201	10.15	Europe
Slovenia	2087	116	1733	238	5	0	55	5.56	83.04	6.69	1953	134	6.86	Europe
Somalia	3196	93	1543	1560	18	0	22	2.91	48.28	6.03	3130	66	2.11	Eastern Mediterranean
South Afr	452529	7067	274925	170537	7096	298	9848	1.56	60.75	2.57	373628	78901	21.12	Africa
South Kor	14203	300	13007	896	28	1	102	2.11	91.58	2.31	13816	387	2.8	Western Pacific
South Suc	2305	46	1175	1084	43	1	0	2	50.98	3.91	2211	94	4.25	Africa

Spain	272421	28432	150376	93613	0	0	0	10.44	55.2	18.91	264836	7585	2.86	Europe
Sri Lanka	2805	11	2121	673	23	0	15	0.39	75.61	0.52	2730	75	2.75	South-East Asia
Sudan	11424	720	5939	4765	39	3	49	6.3	51.99	12.12	10992	432	3.93	Eastern Mediterranean
Suriname	1483	24	925	534	44	1	35	1.62	62.37	2.59	1079	404	37.44	Americas
Sweden	79395	5700	0	73695	398	3	0	7.18	0	inf	78048	1347	1.73	Europe
Switzerland	34477	1978	30900	1599	65	1	200	5.74	89.62	6.4	33634	843	2.51	Europe
Syria	674	40	0	634	24	2	0	5.93	0	inf	522	152	29.12	Eastern Mediterranean
Taiwan*	462	7	440	15	4	0	0	1.52	95.24	1.59	451	11	2.44	Western Pacific
Tajikistan	7235	60	6028	1147	43	1	58	0.83	83.32	1	6921	314	4.54	Europe
Tanzania	509	21	183	305	0	0	0	4.13	35.95	11.48	509	0	0	Africa
Thailand	3297	58	3111	128	6	0	2	1.76	94.36	1.86	3250	47	1.45	South-East Asia
Timor-Les	24	0	0	24	0	0	0	0	0	0	24	0	0	South-East Asia
Togo	874	18	607	249	6	0	8	2.06	69.45	2.97	783	91	11.62	Africa
Sierra Leone	1783	66	1317	400	0	0	4	3.7	73.86	5.01	1711	72	4.21	Africa
Singapore	50838	27	45692	5119	469	0	171	0.05	89.88	0.06	48035	2803	5.84	Western Pacific
Slovakia	2181	28	1616	537	2	0	39	1.28	74.09	1.73	1980	201	10.15	Europe
Slovenia	2087	116	1733	238	5	0	55	5.56	83.04	6.69	1953	134	6.86	Europe
Somalia	3196	93	1543	1560	18	0	22	2.91	48.28	6.03	3130	66	2.11	Eastern Mediterranean
South Africa	452529	7067	274925	170537	7096	298	9848	1.56	60.75	2.57	373628	78901	21.12	Africa
South Korea	14203	300	13007	896	28	1	102	2.11	91.58	2.31	13816	387	2.8	Western Pacific
South Sudan	2305	46	1175	1084	43	1	0	2	50.98	3.91	2211	94	4.25	Africa
Spain	272421	28432	150376	93613	0	0	0	10.44	55.2	18.91	264836	7585	2.86	Europe
Sri Lanka	2805	11	2121	673	23	0	15	0.39	75.61	0.52	2730	75	2.75	South-East Asia
Sudan	11424	720	5939	4765	39	3	49	6.3	51.99	12.12	10992	432	3.93	Eastern Mediterranean
Suriname	1483	24	925	534	44	1	35	1.62	62.37	2.59	1079	404	37.44	Americas
Sweden	79395	5700	0	73695	398	3	0	7.18	0	inf	78048	1347	1.73	Europe
Switzerland	34477	1978	30900	1599	65	1	200	5.74	89.62	6.4	33634	843	2.51	Europe
Syria	674	40	0	634	24	2	0	5.93	0	inf	522	152	29.12	Eastern Mediterranean
Taiwan*	462	7	440	15	4	0	0	1.52	95.24	1.59	451	11	2.44	Western Pacific
Tajikistan	7235	60	6028	1147	43	1	58	0.83	83.32	1	6921	314	4.54	Europe
Tanzania	509	21	183	305	0	0	0	4.13	35.95	11.48	509	0	0	Africa
Thailand	3297	58	3111	128	6	0	2	1.76	94.36	1.86	3250	47	1.45	South-East Asia
Timor-Les	24	0	0	24	0	0	0	0	0	0	24	0	0	South-East Asia

Togo	874	18	607	249	6	0	8	2.06	69.45	2.97	783	91	11.62	Africa
Trinidad & Tobago	148	8	128	12	1	0	0	5.41	86.49	6.25	137	11	8.03	Americas
Tunisia	1455	50	1157	248	3	0	15	3.44	79.52	4.32	1381	74	5.36	Eastern Mediterranean
Turkey	227019	5630	210469	10920	919	17	982	2.48	92.71	2.67	220572	6447	2.92	Europe
US	4E+06	148011	1E+06	3E+06	56336	1076	27941	3.45	30.9	11.16	4E+06	455582	11.88	Americas
Uganda	1128	2	986	140	13	0	4	0.18	87.41	0.2	1069	59	5.52	Africa
Ukraine	67096	1636	37202	28258	835	11	317	2.44	55.45	4.4	60767	6329	10.42	Europe
United Arab Emirates	59177	345	52510	6322	264	1	328	0.58	88.73	0.66	57193	1984	3.47	Eastern Mediterranean
United Kingdom	301708	45844	1437	254427	688	7	3	15.19	0.48	3190.3	296944	4764	1.6	Europe
Uruguay	1202	35	951	216	10	1	3	2.91	79.12	3.68	1064	138	12.97	Americas
Uzbekistan	21209	121	11674	9414	678	5	569	0.57	55.04	1.04	17149	4060	23.67	Europe
Venezuela	15988	146	9959	5883	525	4	213	0.91	62.29	1.47	12334	3654	29.63	Americas
Vietnam	431	0	365	66	11	0	0	0	84.69	0	384	47	12.24	Western Pacific
West Bank and Gaza	10621	78	3752	6791	152	2	0	0.73	35.33	2.08	8916	1705	19.12	Eastern Mediterranean
Western Sahara	10	1	8	1	0	0	0	10	80	12.5	10	0	0	Africa
Yemen	1691	483	833	375	10	4	36	28.56	49.26	57.98	1619	72	4.45	Eastern Mediterranean
Zambia	4552	140	2815	1597	71	1	465	3.08	61.84	4.97	3326	1226	36.86	Africa
Zimbabwe	2704	36	542	2126	192	2	24	1.33	20.04	6.64	1713	991	57.85	Africa

# Conclusion:

- In the conclusion section, you summarize the key findings and wrap up the analysis.
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- Summarize the main insights obtained from the analysis of COVID-19 cases and deaths data.
- Discuss any significant trends or patterns observed in the data.
- Reflect on the implications of these findings for public health and policy decisions.

Thank you...