

## Israeli Public Health Data: Estimated Covid-19 Hospitalizations And Deaths By Age And Vaccination Status — December 20, 2020 Through August 21, 2021\*



Report Run Date: August 31, 2021

Age	0-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90+	TOTAL
Covid-19 Hospitalizations after Vaccination - 1st Dose**	35	139	199	288	427	686	776	771	328	3,647
Covid-19 Hospitalizations after Vaccination - 2nd Dose**	42	107	165	175	313	526	788	816	265	3,194
Covid-19 Hospitalizations after Vaccination - 3rd Dose**	-	-	-	3	7	51	88	88	32	268
<b>Total Covid-19 Hospitalizations - Vaccinated</b>	<b>77</b>	<b>246</b>	<b>363</b>	<b>465</b>	<b>747</b>	<b>1,262</b>	<b>1,651</b>	<b>1,675</b>	<b>624</b>	<b>7,108</b>
Covid-19 Hospitalizations - Unvaccinated**	1,508	1,447	1,669	1,827	2,033	2,028	1,959	1,641	606	14,716
<b>Total Covid-19 Hospitalizations**</b>	<b>1,585</b>	<b>1,692</b>	<b>2,032</b>	<b>2,292</b>	<b>2,780</b>	<b>3,290</b>	<b>3,610</b>	<b>3,315</b>	<b>1,230</b>	<b>21,824</b>
<b>% of Total Covid-19 Hospitalizations Who Received at least One Vaccine Dose</b>	<b>5%</b>	<b>15%</b>	<b>18%</b>	<b>20%</b>	<b>27%</b>	<b>38%</b>	<b>46%</b>	<b>51%</b>	<b>51%</b>	<b>33%</b>
Covid-19 Deaths after Vaccination - 1st Dose**	-	8	13	18	37	124	212	278	158	845
Covid-19 Deaths after Vaccination - 2nd Dose**	-	-	-	3	23	74	140	204	101	543
Covid-19 Deaths after Vaccination - 3rd Dose**	-	-	-	-	-	5	5	8	3	21
<b>Total Covid-19 Deaths - Vaccinated**</b>	<b>-</b>	<b>8</b>	<b>13</b>	<b>20</b>	<b>60</b>	<b>203</b>	<b>357</b>	<b>489</b>	<b>261</b>	<b>1,409</b>
Total Covid-19 Deaths - Unvaccinated**	10	33	48	82	179	396	615	729	356	2,446
<b>Total Covid-19 Deaths**</b>	<b>10</b>	<b>40</b>	<b>60</b>	<b>102</b>	<b>238</b>	<b>599</b>	<b>972</b>	<b>1,218</b>	<b>617</b>	<b>3,855</b>
<b>% of Total Covid-19 Deaths Who Received at least One Vaccine Dose</b>	<b>0%</b>	<b>19%</b>	<b>21%</b>	<b>20%</b>	<b>25%</b>	<b>34%</b>	<b>37%</b>	<b>40%</b>	<b>42%</b>	<b>37%</b>
<b>Total Severe Breakthrough Cases**</b>	<b>77</b>	<b>253</b>	<b>376</b>	<b>485</b>	<b>806</b>	<b>1,465</b>	<b>2,007</b>	<b>2,164</b>	<b>885</b>	<b>8,517</b>

\*Source: Israeli Government Covid-19 Vaccination Data

\*\*NOTE: The Israeli public health Covid-19 vaccination database linked below cites the value "<5" for instances in which cases of hospitalization or death are between 1-4 in each category. This report calculates the average of the minimum and maximum possible number of cases where the value "<5" is cited in each category, as reported by the Israeli Ministry of Health.

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Covid-19 Hospitalizations after Vaccination - 1st Dose - Minimum **	14	118	179	273	406	666	753	753	305	<b>3,467</b>
Covid-19 Hospitalizations after Vaccination - 2nd Dose - Minimum **	27	81	139	155	296	506	774	799	244	<b>3,021</b>
Covid-19 Hospitalizations after Vaccination - 3rd Dose - Minimum **	-	-	-	1	7	51	86	88	30	<b>263</b>
<b>Total Covid-19 Hospitalizations - Vaccinated - Minimum **</b>	<b>41</b>	<b>199</b>	<b>318</b>	<b>429</b>	<b>709</b>	<b>1,223</b>	<b>1,613</b>	<b>1,640</b>	<b>579</b>	<b>6,751</b>
Covid-19 Hospitalizations - Unvaccinated - Minimum **	1,499	1,433	1,652	1,813	2,018	2,014	1,944	1,627	591	<b>14,591</b>
<b>Total Covid-19 Hospitalizations - Minimum **</b>	<b>1,540</b>	<b>1,632</b>	<b>1,970</b>	<b>2,242</b>	<b>2,727</b>	<b>3,237</b>	<b>3,557</b>	<b>3,267</b>	<b>1,170</b>	<b>21,342</b>
<b>% of Total Covid-19 Hospitalizations Who Received at least One Vaccine Dose</b>	<b>3%</b>	<b>12%</b>	<b>16%</b>	<b>19%</b>	<b>26%</b>	<b>38%</b>	<b>45%</b>	<b>50%</b>	<b>49%</b>	<b>32%</b>
Covid-19 Deaths after Vaccination - 1st Dose - Minimum **	-	3	5	7	19	110	203	264	150	<b>761</b>
Covid-19 Deaths after Vaccination - 2nd Dose - Minimum **	-	-	-	1	9	53	123	184	86	<b>456</b>
Covid-19 Deaths after Vaccination - 3rd Dose - Minimum **	-	-	-	-	-	2	5	8	1	<b>16</b>
<b>Total Covid-19 Deaths - Vaccinated - Minimum **</b>	<b>-</b>	<b>3</b>	<b>5</b>	<b>8</b>	<b>28</b>	<b>165</b>	<b>331</b>	<b>456</b>	<b>237</b>	<b>1,233</b>
Total Covid-19 Deaths - Unvaccinated - Minimum **	4	13	25	59	159	387	603	717	344	<b>2,311</b>
<b>Total Covid-19 Deaths - Minimum **</b>	<b>4</b>	<b>16</b>	<b>30</b>	<b>67</b>	<b>187</b>	<b>552</b>	<b>934</b>	<b>1,173</b>	<b>581</b>	<b>3,544</b>
<b>% of Total Covid-19 Deaths Who Received at least One Vaccine Dose</b>	<b>0%</b>	<b>19%</b>	<b>17%</b>	<b>12%</b>	<b>15%</b>	<b>30%</b>	<b>35%</b>	<b>39%</b>	<b>41%</b>	<b>35%</b>
<b>Total Severe Breakthrough Cases - Minimum **</b>	<b>41</b>	<b>202</b>	<b>323</b>	<b>437</b>	<b>737</b>	<b>1,388</b>	<b>1,944</b>	<b>2,096</b>	<b>816</b>	<b>7,984</b>

\*Source: [Israeli Government Covid-19 Vaccination Data](#)

**\*\*NOTE:** The Israeli public health Covid-19 vaccination database linked below cites the value "<5" for instances in which cases of hospitalization or death are between 1-4 in each category. This report calculates the minimum possible number of cases where the value "<5" is cited in each category (using the value 1 wherever "<5" is cited in the dataset), as reported by the Israeli Ministry of Health.

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Covid-19 Hospitalizations after Vaccination - 1st Dose - Maximum **	56	160	218	303	448	705	798	789	350	<b>3,827</b>
Covid-19 Hospitalizations after Vaccination - 2nd Dose - Maximum **	57	132	190	194	329	545	801	832	286	<b>3,366</b>
Covid-19 Hospitalizations after Vaccination - 3rd Dose - Maximum **	-	-	-	4	7	51	89	88	33	<b>272</b>
<b>Total Covid-19 Hospitalizations - Vaccinated - Maximum **</b>	<b>113</b>	<b>292</b>	<b>408</b>	<b>501</b>	<b>784</b>	<b>1,301</b>	<b>1,688</b>	<b>1,709</b>	<b>669</b>	<b>7,465</b>
Covid-19 Hospitalizations - Unvaccinated - Maximum **	1,517	1,460	1,685	1,840	2,048	2,041	1,974	1,654	621	<b>14,840</b>
<b>Total Covid-19 Hospitalizations - Maximum **</b>	<b>1,630</b>	<b>1,752</b>	<b>2,093</b>	<b>2,341</b>	<b>2,832</b>	<b>3,342</b>	<b>3,662</b>	<b>3,363</b>	<b>1,290</b>	<b>22,305</b>
<b>% of Total Covid-19 Hospitalizations Who Received at least One Vaccine Dose</b>	<b>7%</b>	<b>17%</b>	<b>19%</b>	<b>21%</b>	<b>28%</b>	<b>39%</b>	<b>46%</b>	<b>51%</b>	<b>52%</b>	<b>33%</b>
Covid-19 Deaths after Vaccination - 1st Dose - Maximum **	-	12	20	28	55	137	221	291	165	<b>929</b>
Covid-19 Deaths after Vaccination - 2nd Dose - Maximum **	-	-	-	4	36	95	156	223	116	<b>630</b>
Covid-19 Deaths after Vaccination - 3rd Dose - Maximum **	-	-	-	-	-	8	5	8	4	<b>25</b>
<b>Total Covid-19 Deaths - Vaccinated - Maximum **</b>	<b>-</b>	<b>12</b>	<b>20</b>	<b>32</b>	<b>91</b>	<b>240</b>	<b>382</b>	<b>522</b>	<b>285</b>	<b>1,584</b>
Total Covid-19 Deaths - Unvaccinated - Maximum **	16	52	70	104	198	405	627	741	368	<b>2,581</b>
<b>Total Covid-19 Deaths - Maximum **</b>	<b>16</b>	<b>64</b>	<b>90</b>	<b>136</b>	<b>289</b>	<b>645</b>	<b>1,009</b>	<b>1,263</b>	<b>653</b>	<b>4,165</b>
<b>% of Total Covid-19 Deaths Who Received at least One Vaccine Dose</b>	<b>0%</b>	<b>19%</b>	<b>22%</b>	<b>24%</b>	<b>31%</b>	<b>37%</b>	<b>38%</b>	<b>41%</b>	<b>44%</b>	<b>38%</b>
<b>Total Severe Breakthrough Cases - Maximum **</b>	<b>113</b>	<b>304</b>	<b>428</b>	<b>533</b>	<b>875</b>	<b>1,541</b>	<b>2,070</b>	<b>2,231</b>	<b>954</b>	<b>9,049</b>

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