**Supplementary Table 1**: The number and ASR of incidence of AHE among the elderly in 1990 and 2021 by GBD regions, with EAPC from 1990 to 2021

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **1990 Incidence** | |  | **2021 Incidence** | | **1990–2021** |
| **Location** | **Number (95 % UIs)** | **ASR (95 % UIs),per 100 000** |  | **Number (95 % UIs)** | **ASR (95 % UIs), per 100 000** | **EAPC %(95 % CI)** |
| **21 GBD regions** |  |  |  |  |  |  |
| Andean Latin America | 2515.22  (1329.81 to 4256.95) | 109.22  (57.61 to 184.94) |  | 7731.22  (4051.32 to 13096.81) | 108.43  (56.81 to 183.64) | -0.01% (-0.02 to 0) |
| Australasia | 2662.14  (1391.62 to 4521.77) | 87.79  (45.68 to 148.78) |  | 6332.81  (3272.04 to 10695.1) | 87.4  (45.39 to 147.64) | -0.02% (-0.03 to -0.01) |
| Caribbean | 3296.64  (1776.24 to 5532.72) | 105.94  (56.65 to 177.9) |  | 7129.57  (3754.93 to 12055.61) | 105.31  (55.65 to 177.86) | 0% (-0.01 to 0.01) |
| Central Asia | 6395.92  (3358.59 to 10749.05) | 117.19  (61.01 to 197.91) |  | 10883  (5645.21 to 18652.98) | 117.2  (60.8 to 201) | 0.01% (0 to 0.02) |
| Central Europe | 22637.27  (11908.35 to 38128.63) | 120.77  (63.32 to 203.35) |  | 36579.79  (19110.59 to 61702.13) | 120.98  (63.25 to 203.88) | 0.01% (0 to 0.03) |
| Central Latin America | 10526.4  (5658.48 to 17680.51) | 114.67  (61.16 to 192.7) |  | 34569.53  (18337.61 to 58245.41) | 113.65  (60.31 to 191.19) | -0.06% (-0.07 to -0.05) |
| Central Sub-Saharan Africa | 2398.03  (1253.07 to 4038.46) | 108.22  (56.66 to 182.04) |  | 5651.88  (3010.82 to 9586.08) | 107.77  (57.12 to 182.18) | 0% (-0.01 to 0.01) |
| East Asia | 94017.71  (51210.04 to 159445.49) | 99.7  (53.77 to 169.26) |  | 279136.14  (148317.09 to 469041.81) | 104.26  (55.33 to 174.86) | 0.14% (0.11 to 0.17) |
| Eastern Europe | 37765.64  (20632.82 to 62957.76) | 108.48  (58.46 to 181.26) |  | 51599.81  (27774.65 to 86207.66) | 108.46  (58.21 to 181.57) | 0.02% (0.01 to 0.03) |
| Eastern Sub-Saharan Africa | 8850.45  (4672.86 to 14857.07) | 115.37  (60.82 to 193.65) |  | 19908.9  (10584.29 to 33273.78) | 116.63  (61.86 to 195.06) | 0.02% (0.01 to 0.03) |
| High-income Asia Pacific | 24342.55  (13007.64 to 41245.92) | 99.61  (52.83 to 168.83) |  | 63249.78  (33080.9 to 106949.77) | 97.12  (51.39 to 164.36) | -0.05% (-0.06 to -0.04) |
| High-income North America | 46484.85  (24687.5 to 78214.82) | 99.38  (52.74 to 167.12) |  | 88407.39  (46797.79 to 148470.44) | 98.66  (52.49 to 165.45) | -0.03% (-0.04 to -0.03) |
| North Africa and Middle East | 17125.03  (9293.52 to 28621.07) | 95.47  (51.33 to 159.71) |  | 46133.54  (24926.52 to 78053.47) | 94.08  (50.52 to 159.02) | -0.03% (-0.05 to -0.01) |
| Oceania | 291.01  (152.21 to 497.93) | 101.51  (52.98 to 173.15) |  | 729.22  (384.38 to 1252.96) | 100.9  (52.76 to 172.6) | -0.01% (-0.01 to 0) |
| South Asia | 73298.85  (38735.97 to 122611.01) | 124.1  (65.31 to 207.99) |  | 209514.35  (111578.89 to 351458.67) | 124.77  (66.14 to 209.41) | 0.03% (0.02 to 0.04) |
| Southeast Asia | 29537.18  (15743.33 to 50067.27) | 109.39  (57.93 to 185.24) |  | 80846.08  (42839.83 to 137004.78) | 108.38  (57.24 to 183.35) | -0.05% (-0.07 to -0.04) |
| Southern Latin America | 3810.6  (2051.35 to 6387.35) | 67.49  (36.07 to 113.13) |  | 7781.79  (4118.99 to 13093.36) | 68.34  (36.21 to 114.99) | 0.07% (0.06 to 0.09) |
| Southern Sub-Saharan Africa | 3736.58  (1954.23 to 6287.11) | 124.32  (64.76 to 209.44) |  | 8040.64  (4166.47 to 13618) | 125.24  (64.78 to 212.26) | 0% (-0.01 to 0.01) |
| Tropical Latin America | 10201.61  (5513.44 to 17053.51) | 101.86  (54.57 to 170.11) |  | 32142.7  (17046.06 to 53675.52) | 101.5  (53.82 to 169.29) | 0.02% (0 to 0.03) |
| Western Europe | 68488.11  (36635.65 to 115220.47) | 89.3  (47.54 to 150.38) |  | 110032.78  (58009.16 to 184334.59) | 86.21  (45.76 to 144.96) | -0.15% (-0.21 to -0.1) |
| Western Sub-Saharan Africa | 11238.81  (5925.63 to 19054.43) | 119.05  (62.5 to 201.51) |  | 23612.44  (12536.98 to 40066.08) | 118.09  (62.37 to 200.14) | -0.03% (-0.05 to -0.02) |