**Attention-Deficit/Hyperactivity Disorder medication consumption in 64 countries and regions from 2015 to 2019: a longitudinal study**

**Supplementary appendix**

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# **Table S1. Defined daily dose of different ADHD medication according to the World Health Organisation Anatomical Therapeutic Chemical Classification System**

|  |  |  |  |
| --- | --- | --- | --- |
| **ATC code** | **Name** | **Defined daily dose** | **Unit** |
| N06BA01 | [amfetamine](https://www.whocc.no/atc_ddd_index/?code=N06BA01&showdescription=yes) | 15 | mg |
| N06BA02 | [dexamfetamine](https://www.whocc.no/atc_ddd_index/?code=N06BA02&showdescription=yes) | 15 | mg |
| N06BA03 | [metamfetamine](https://www.whocc.no/atc_ddd_index/?code=N06BA03&showdescription=yes) | 15 | mg |
| N06BA04 | [methylphenidate](https://www.whocc.no/atc_ddd_index/?code=N06BA04&showdescription=yes) | 30 | mg |
| N06BA09 | [atomoxetine](https://www.whocc.no/atc_ddd_index/?code=N06BA09&showdescription=yes) | 80 | mg |
| N06BA11 | [dexmethylphenidate](https://www.whocc.no/atc_ddd_index/?code=N06BA11&showdescription=yes) | 15 | mg |
| N06BA12 | [lisdexamfetamine](https://www.whocc.no/atc_ddd_index/?code=N06BA12&showdescription=yes) | 30 | mg |
| C02AC01 | [clonidine](https://www.whocc.no/atc_ddd_index/?code=C02AC01&showdescription=yes) | 0·45 | mg |
| C02AC02 | [guanfacine](https://www.whocc.no/atc_ddd_index/?code=C02AC02&showdescription=yes) | 3 | mg |

# **Table S2. Region and income classification of countries and availability of different ADHD medication in 2019**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country** | **Region** | **Income level** | **Sectors covered** | **Amphetamines**  | **Methylphenidate** | **Atomoxetine** | **Clonidine** | **Guanfacine** |
| Canada | Northern America | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| United States | Northern America | HIC | Hospital and Retail | Yes | Yes | Yes | Yes | Yes |
| Chile | Central and South America and the Caribbean | HIC | Retail | Yes | Yes | Yes |   |   |
| Puerto Rico | Central and South America and the Caribbean | HIC | Hospital and Retail | Yes | Yes | Yes | Yes | Yes |
| Uruguay | Central and South America and the Caribbean | HIC | Retail |   | Yes | Yes |   |   |
| Austria | Western Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Belgium | Western Europe | HIC | Hospital and Retail |   | Yes | Yes |   | Yes |
| France | Western Europe | HIC | Hospital and Retail |   | Yes |   |   |   |
| Germany | Western Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Luxembourg | Western Europe | HIC | Retail |   | Yes | Yes |   |   |
| Netherlands | Western Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Switzerland | Western Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Denmark | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Estonia | Northern Europe | HIC | Retail | Yes | Yes | Yes |   |   |
| Finland | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Ireland | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Latvia | Northern Europe | HIC | Retail |   | Yes | Yes |   |   |
| Lithuania | Northern Europe | HIC | Hospital and Retail |   | Yes | Yes |   | Yes |
| Norway | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes | Yes | Yes |
| Sweden | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| United Kingdom | Northern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Croatia | Southern Europe | HIC | Hospital and Retail |   | Yes |   |   |   |
| Greece | Southern Europe | HIC | Retail |   | Yes | Yes |   |   |
| Italy | Southern Europe | HIC | Hospital and Retail |   | Yes | Yes |   |   |
| Portugal | Southern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   |   |
| Slovenia | Southern Europe | HIC | Retail |   | Yes | Yes |   |   |
| Spain | Southern Europe | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Czech Republic | Eastern Europe | HIC | Hospital and Retail |   | Yes | Yes |   |   |
| Hungary | Eastern Europe | HIC | Hospital and Retail |   | Yes | Yes |   |   |
| Poland | Eastern Europe | HIC | Hospital and Retail |   | Yes | Yes |   |   |
| Slovakia | Eastern Europe | HIC | Hospital and Retail |   | Yes | Yes |   |   |
| Australia | Oceania | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| New Zealand | Oceania | HIC | Hospital and Retail | Yes | Yes | Yes |   |   |
| Japan | Eastern Asia | HIC | Hospital and Retail | Yes | Yes | Yes |   | Yes |
| Korea | Eastern Asia | HIC | Retail |   | Yes | Yes | Yes |   |
| Taiwan | Eastern Asia | HIC | Hospital |   | Yes | Yes |   |   |
| Kuwait | Western Asia | HIC | Retail |   |   | Yes |   |   |
| Saudi Arabia | Western Asia | HIC | Retail |   | Yes | Yes |   |   |
| United Arab Emirates | Western Asia | HIC | Retail |   | Yes | Yes |   |   |
| Argentina | Central and South America and the Caribbean | UMIC | Retail |   | Yes | Yes |   |   |
| Brazil | Central and South America and the Caribbean | UMIC | Hospital and Retail | Yes | Yes |   |   |   |
| Colombia | Central and South America and the Caribbean | UMIC | Retail | Yes | Yes | Yes |   |   |
| Ecuador | Central and South America and the Caribbean | UMIC | Retail |   | Yes | Yes |   |   |
| Mexico | Central and South America and the Caribbean | UMIC | Hospital and Retail | Yes | Yes | Yes |   |   |
| Peru | Central and South America and the Caribbean | UMIC | Retail |   | Yes | Yes |   |   |
| Venezuela | Central and South America and the Caribbean | UMIC | Retail |   |   | Yes |   |   |
| Serbia | Southern Europe | UMIC | Retail |   | Yes |   |   |   |
| Bulgaria | Eastern Europe | UMIC | Hospital and Retail |   | Yes | Yes |   |   |
| Romania | Eastern Europe | UMIC | Hospital and Retail |   | Yes | Yes |   |   |
| Russia | Eastern Europe | UMIC | Hospital and Retail |   |   | Yes |   |   |
| China | Eastern Asia | UMIC | Hospital and Retail |   | Yes | Yes |  Yes |   |
| Jordan | Western Asia | UMIC | Retail |   | Yes | Yes |   |   |
| Lebanon | Western Asia | UMIC | Retail |   | Yes | Yes |   |   |
| Turkey | Western Asia | UMIC | Hospital and Retail |   | Yes | Yes |   |   |
| Thailand | South-eastern Asia | UMIC | Hospital and Retail |   | Yes | Yes |   |   |
| South Africa | Southern Africa | UMIC | Retail |   | Yes | Yes |   |   |
| Ukraine | Eastern Europe | LMIC | Retail |   |   | Yes |   |   |
| Philippines | South-eastern Asia | LMIC | Hospital and Retail |   | Yes | Yes |   |   |
| India | Southern Asia | LMIC | Hospital and Retail |   | Yes | Yes |   |   |
| Pakistan | Southern Asia | LMIC | Retail |   | Yes | Yes |   |   |
| Algeria | Northern Africa | LMIC | Retail |   |   | Yes |   |   |
| Egypt | Northern Africa | LMIC | Retail |   | Yes | Yes |   |   |
| Morocco | Northern Africa | LMIC | Retail |   |   | Yes |   |   |
| Tunisia | Northern Africa | LMIC | Hospital |   | Yes | Yes |   |   |

HIC, high income country; LMIC, lower-middle income country; NA, not available; UMIC, upper-middle income country.

# **Table S3. Coefficient estimates in the multivariable analyses**

|  |  |
| --- | --- |
|  | **Main analysis** |
| Year\* | **0·0447 (95% CI, 0·0132 to 0·0763; P-value, 0·0056)****Average annual percentage change: 4·58% (95%CI, 1·33% to 7·93%)** |
| Geographical location | P-value, 0·3650 |
|  America (North) | 1·5226 (-1·6106 to 4·6558) |
|  America (Central and South) and the Caribbean | -0·4464 (-2·4473 to 1·5545) |
|  Europe (North) | 0·09682 (-1·8259 to 2·0195) |
|  Europe (East) | -1·8902 (-3·9972 to 0·2169) |
|  Europe (South) | -0·5868 (-2·6595 to 1·4859) |
|  Europe (West) | Reference |
|  Oceania | 0·05842 (-3·2488 to 3·3657) |
|  Asia (East) | -0·7388 (-3·1436, 1·6661) |
|  Asia (West) | -0·8626 (-3·2019 to 1·4768) |
|  Asia (South-east) | -0·1229 (-3·3135 to 3·0677) |
|  Asia (South) | 0·5419 (-3·0791 to 4·1628) |
|  Africa (North) | -1·1563 (-3·861 to 1·5485) |
|  Africa (South) | 3·4911 (-0·9239 to 7·9060) |
| ADHD prevalence (log transformed) | 1·0609 (-0·6353 to 2·7570; P-value, 0·2192) |
| GDP per capita (log transformed) | **1·6706 (1·2888 to 2·0524; P-value, <0·0001)** |

Abbreviations: ADHD, Attention-deficit hyperactivity disorder; GDP, Gross Domestic Product; CI, confidence interval.

\*Average annual percentage change was calculated as [exp(the coefficient of the year variable)-1] \*100%.

# **Table S4. Average annual percentage change of individual ADHD medications from 2015-2019**

|  |  |
| --- | --- |
|   | **Average annual percentage change† (%, 95%CI)** |
|  | **Amphetamines** | **Methylphenidate** | **Atomoxetine** | **Clonidine** | **Guanfacine** |
| **Worldwide** | **30·32 (21·66, 39·59)\*\*** | **6·82 (4·68, 8·99)\*\*** | **8·85 (3·76, 14·19)\*\*** | **11·96 (3·22, 21·44)\*\*** | **79·77 (53·62, 110·36)\*\*** |
| **Northern America** | **9·68 (2·76, 17·07)\*** | **2·01 (-2·60, 6·85)** | **3·64 (2·01, 5·29)\*** | **1·68 (0·23, 3·16)\*** | **15·08 (6·93, 23·85)\*\*** |
| Canada | 17·95 (16·53, 19·39)\*\* | 7·40 (6·66, 8·15)\*\* | 5·31 (4·08, 6·56)\*\* | N/A | 23·79 (14·09, 34·32)\* |
| United States | 1·99 (1·03, 2·97)\* | -3·11 (-4·39, -1·80)\* | 1·99 (0·39, 3·62)\* | 1·68 (0·23, 3·16)\* | 6·98 (1·23, 13·06)\* |
| **Central and South America and the Caribbean** | **22·45 (-0·87, 51·25)** | **-7·63 (-14·00, -0·79)\*** | **-4·68 (-11·48, 2·66)** | **1·46 (-9·28, 13·48)** | **11·56 (-8·63, 36·20)** |
| Argentina | N/A | 2·67 (-0·43, 5·86) | -1·86 (-4·26, 0·60) | N/A | N/A |
| Brazil | 36·48 (31·30, 41·88)\*\* | 6·34 (3·52, 9·23)\* | N/A | N/A | N/A |
| Chile | -11·64 (-26·10, 5·64) | -3·70 (-5·83, -1·53)\* | -9·24 (-10·56, -7·89)\*\* | N/A | N/A |
| Colombia | N/A | -38·43 (-48·82, -25·92)\* | 8·65 (3·03, 14·58)\* | N/A | N/A |
| Ecuador | N/A | -0·13 (-9·23, 9·88) | -2·17 (-18·19, 16·99) | N/A | N/A |
| Mexico | 137·57 (-46·71, 959·23) | 8·99 (2·25, 16·16)\* | 10·54 (5·41, 15·91)\* | N/A | N/A |
| Peru | N/A | -19·99 (-37·02, 1·65) | 6·78 (2·82, 10·89)\* | N/A | N/A |
| Puerto Rico | 12·76 (7·94, 17·79)\* | -5·96 (-12·59, 1·18) | 3·69 (-0·32, 7·87) | 1·46 (-9·28, 13·48)\* | 11·56 (-8·63, 36·20) |
| Uruguay | N/A | 4·84 (-6·33, 17·36) | 1·26 (-8·52, 12·09) | N/A | N/A |
| Venezuela | N/A | -52·93 (-99·59, 5241·58) | -44·62 (-62·17, -18·93)\* | N/A | N/A |
| **Western Europe** | **55·66 (17·45, 106·31)\*** | **4·11 (2·71, 5·54)\*\*** | **-0·06 (-1·48, 1·38)** | **N/A** | **178·69 (79·97, 331·57)\*\*** |
| Austria | 207·72 (-34·08, 1336·40) | 7·14 (4·34, 10·02)\* | -0·71 (-6·51, 5·46) | N/A | 231·51 (-57·65, 2495·07) |
| Belgium | N/A | 6·02 (3·66, 8·42)\* | 2·99 (-0·04, 6·11) | N/A | 87·81 (-71·98, 1158·74) |
| France | N/A | 9·50 (8·92, 10·08)\*\* | N/A | N/A | N/A |
| Germany | 15·97 (12·07, 20·01)\*\* | 2·65 (0·22, 5·14)\* | 0·09 (-0·71, 0·89) | N/A | 60·34 (6·90, 140·48)\* |
| Luxembourg | N/A | -1·82 (-2·72, -0·91)\* | 1·57 (-1·26, 4·49) | N/A | N/A |
| Netherland | 69·49 (-81·42, 1446·37) | 2·93 (1·67, 4·21)\* | -2·50 (-11·46, 7·38) | N/A | 406·28 (-5·86, 2622·90) |
| Switzerland | 38·99 (18·71, 62·72)\* | 2·78 (1·24, 4·35)\* | -1·69 (-3·86, 0·53) | N/A | N/A |
| **Northern Europe** | **38·63 (30·98, 46·73)\*\*** | **14·59 (9·04, 20·42)\*\*** | **1·03 (-12·07, 16·08)** | **-5·98 (-20·02, 10·53)** | **104·81 (76·42, 137·75)\*\*** |
| Denmark | 28·00 (22·53, 33·72)\*\* | 6·45 (4·18, 8·76)\* | 11·02 (5·39, 16·95)\* | N/A | 67·17 (14·78, 143·49)\* |
| Estonia | N/A | 25·22 (8·67, 44·30)\* | 7·71 (-8·25, 26·45) | N/A | N/A |
| Finland | 70·85 (44·12, 102·54)\* | 15·85 (14·42, 17·29)\*\* | 9·08 (4·49, 13·86)\* | N/A | 138·52 (-10·17, 533·35) |
| Ireland | 37·52 (32·82, 42·39)\*\* | 5·17 (3·28, 7·09)\* | 3·50 (-3·81, 11·37) | N/A | 127·12 (7·83, 378·41)\* |
| Latvia | N/A | 27·63 (6·14, 53·46)\* | 90·96 (-4·35, 281·23) | N/A | N/A |
| Lithuania | N/A | 55·00 (37·27, 75·01)\* | -56·04 (-83·49, 17·05) | N/A | N/A |
| Norway | 37·24 (32·83, 41·78)\*\* | 4·22 (2·29, 6·18)\* | 2·38 (-1·01, 5·90) | -5·98 (-20·03, 10·53) | 131·13 (-32·28, 688·94) |
| Sweden | 34·76 (15·99, 56·56)\* | -2·42 (-3·67, -1·15)\* | 2·19 (-6·61, 11·81) | N/A | 95·11 (-1·05, 284·74) |
| United Kingdom | 23·45 (20·46, 26·51)\*\* | 4·27 (3·33, 5·22)\*\* | 0·77 (-0·92, 2·49) | N/A | 92·94 (-1·11, 276·43) |
| **Southern Europe** | **15·28 (3·30, 28·66)\*** | **10·65 (6·89, 14·55)\*\*** | **10·38 (1·32, 20·25)\*** | **N/A** | **54·58 (-66·90, 621·79)** |
| Croatia | N/A | 24·27 (16·03, 33·09)\* | N/A | N/A | N/A |
| Greece | N/A | 17·74 (12·68, 23·04)\* | 6·83 (-0·55, 14·77) | N/A | N/A |
| Italy | N/A | 22·67 (21·45, 23·90)\*\* | 30·67 (6·16, 60·85)\* | N/A | N/A |
| Portugal | N/A | 2·21 (-0·36, 4·84) | 23·82 (-23·29, 99·85) | N/A | N/A |
| Serbia | N/A | 3·42 (-1·63, 8·73) | N/A | N/A | N/A |
| Slovenia | N/A | 7·36 (5·70, 9·05)\*\* | -3·76 (-11·38, 4·51) | N/A | N/A |
| Spain | 15·43 (3·42, 28·83)\* | -0·27 (-2·53, 2·04) | -1·49 (-4·56, 1·67) | N/A | 54·58 (-66·90, 621·79) |
| **Eastern Europe** | **N/A** | **8·82 (6·17, 11·55)\*\*** | **28·09 (-0·83, 65·45)** | **N/A** | **N/A** |
| Bulgaria | N/A | 4·39 (-1·84, 11·02) | N/A | N/A | N/A |
| Czech Republic | N/A | 3·82 (1·87, 5·81)\* | 14·46 (9·71, 19·43)\* | N/A | N/A |
| Hungary | N/A | 16·84 (12·58, 21·25)\*\* | 34·37 (9·89, 64·31)\* | N/A | N/A |
| Poland | N/A | 16·97 (14·38, 19·63)\*\* | 32·93 (-2·53, 81·29) | N/A | N/A |
| Romania | N/A | 6·56 (-1·31, 15·05) | -0·79 (-6·43, 5·19) | N/A | N/A |
| Russia | N/A | N/A | 18·11 (2·00, 36·76)\* | N/A | N/A |
| Slovakia | N/A | 5·23 (1·44, 9·17)\* | -11·85 (-26·81, 6·18) | N/A | N/A |
| Ukraine | N/A | N/A | 175·11 (-80·59, 3799·21) | N/A | N/A |
| **Oceania** | **17·46 (15·78, 19·17)\*\*** | **7·92 (5·77, 10·11)\*\*** | **7·68 (5·30, 10·12)\*\*** | **N/A** | **N/A** |
| Australia | 17·94 (16·68, 19·21)\*\* | 5·77 (3·20, 8·41)\* | 5·54 (3·68, 7·44)\* | N/A | N/A |
| New Zealand | 16·99 (12·48, 21·67)\* | 10·11 (9·06, 11·16)\*\* | 9·87 (6·12, 13·75)\* | N/A | N/A |
| **Eastern Asia** | **N/A** | **17·09 (13·15, 21·17)\*\*** | **17·41 (13·43, 21·54)\*\*** | **34·67 (24·97, 45·12)\*\*** | **190·88 (-79·14, 3956·29)** |
| China | N/A | 22·71 (14·96, 30·99)\* | 27·09 (22·04, 32·35)\*\* | 33·73 (20·37, 48·57)\* | N/A |
| Japan | N/A | 23·46 (20·24, 26·76)\*\* | 15·88 (3·01, 30·37)\* | N/A | 190·88 (-79·14, 3956·29) |
| Korea | N/A | 12·92 (4·31, 22·24)\* | 12·18 (6·57, 18·08)\* | 35·61 (12·24, 63·86)\* | N/A |
| Taiwan | N/A | 9·89 (1·60, 18·86)\* | 15·03 (7·24, 23·38)\* | N/A | N/A |
| **Western Asia** | **N/A** | **14·45 (7·90, 21·39)\*\*** | **11·66 (6·26, 17·34)\*\*** | **N/A** | **N/A** |
| Jordan | N/A | 25·03 (1·64, 53·82)\* | 1·91 (-5·26, 9·64) | N/A | N/A |
| Kuwait | N/A | N/A | 24·07 (3·27, 49·05)\* | N/A | N/A |
| Lebanon | N/A | 6·66 (3·77, 9·64)\* | 13·61 (-6·41, 37·92) | N/A | N/A |
| Saudi Arabia | N/A | 7·20 (-20·27, 44·14) | 17·64 (6·24, 30·25)\* | N/A | N/A |
| Turkey | N/A | 9·87 (6·64, 13·19)\* | 19·45 (15·32, 23·72)\*\* | N/A | N/A |
| United Arab Emirates | N/A | 25·00 (4·44, 49·60)\* | -3·97 (-13·68, 6·83) | N/A | N/A |
| **South-Eastern Asia** | **N/A** | **19·43 (6·52, 33·91)\*** | **30·14 (-6·43, 81·00)** | **N/A** | **N/A** |
| Philippines | N/A | 5·63 (-0·73, 12·39) | 72·81 (-6·46, 219·26) | N/A | N/A |
| Thailand | N/A | 35·03 (25·85, 44·89)\*\* | -2·00 (-3·59, -0·37)\* | N/A | N/A |
| **Southern Asia** | **N/A** | **-3·78 (-20·63, 16·65)** | **95·82 (-3·64, 297·93)** | **N/A** | **N/A** |
| India | N/A | 15·44 (9·45, 21·77)\* | 3·63 (2·24, 5·03)\* | N/A | N/A |
| Pakistan | N/A | -19·79 (-40·24, 7·64) | 270·04 (8·06, 1167·16)\* | N/A | N/A |
| **Northern Africa** | **N/A** | **1·39 (-19·51, 27·73)** | **-7·88 (-18·97, 4·72)** | **N/A** | **N/A** |
| Algeria | N/A | N/A | -2·03 (-4·76, 0·78) | N/A | N/A |
| Egypt | N/A | -16·92 (-45·74, 27·21) | 29·01 (15·86, 43·65)\* | N/A | N/A |
| Morocco | N/A | N/A | -19·78 (-25·86, -13·19)\* | N/A | N/A |
| Tunisia | N/A | 23·74 (19·10, 28·56)\*\* | -28·98 (-39·56, -16·54)\* | N/A | N/A |
| **Southern Africa** | **N/A** | **4·31 (2·60, 6·04)\*** | **4·15 (-5·67, 15·00)** | **N/A** | **N/A** |
| South Africa | N/A | 4·31 (2·60, 6·04)\* | 4·15 (-5·67, 15·00) | N/A | N/A |

† The average annual change is calculated using a linear regression model, with log-transformed consumption in DDD/TID as the dependent variable and year as the independent variable. The average annual change was expressed as average annual percentage change, calculated by [exp(the coefficient of the year variable) – 1] x 100%.

Abbreviations: \*p<0·05; \*\*p<0·001; CI, confidence interval; N/A not available

# **Table S5. Average annual percentage change of ADHD medications from 2015-2019 stratified by 2015 consumption levels**

|  |  |  |
| --- | --- | --- |
| **DDD/TID level in 2015** | **Average annual percentage change (%, 95%CI)** **†** | **P-value** |
| 80-99th Percentile | 6·91 (5·71, 8·12) | <0·0001 |
| 60-79th Percentile | 9·74 (7·3, 12·23) | <0·0001 |
| 40-59th Percentile | 12·7 (8·62, 16·93) | <0·0001 |
| 20-39th Percentile | 7·83 (-0·86, 17·28) | 0·0775 |
| 1st-19th Percentile | 13·78 (-5·24, 36·63) | 0·1614 |
| Note: 80th Percentile DDD/TID=5·04, 60th Percentile DDD/TID =1·32, 40th Percentile DDD/TID =0·27, 20th Percentile DDD/TID = 0·045 |

† The average annual change is calculated using a linear regression model, with log-transformed consumption in DDD/TID as the dependent variable and year as the independent variable. The average annual change was expressed as average annual percentage change, calculated by [exp(the coefficient of the year variable) – 1] x 100%.

Abbreviations: CI, confidence interval; DDD/TID, Defined Daily Dose per 1,000 child and adolescent inhabitants per day

# **Figure S1. Worldwide, regional, and national average annual percentage change in ADHD medication consumption between 2015 and 2019**



# **Figure S2. Scatter plots of ADHD medication consumption and ADHD prevalence, grouped by geographical location**



**Figure S3. Scatter plots of ADHD medication consumption and Gross Domestic Product (GDP) per capita in US$, grouped by geographical location** 