

Supplementary material

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17 **Supplementary Table 1 – List of ethnic groups (or a proxy variable) and the grouping used in each country.**

| Country | Year | Ethnic group | Grouping (when applicable) |
|--------------------|--------------------------------|------------------------|--|
| Afghanistan | 2015 | Nuristani | |
| | | Tajik | |
| | | Uzbek | |
| | | Hazara | |
| | | Pashtun | |
| | | Other | |
| | | Turkmen | |
| | | Pashai | |
| | | Baloch | |
| Angola | 2015 | Português | |
| | | Chokwe/kioko | |
| | | Umbundu | |
| | | Nganguela | |
| | | Nhaneca | |
| | | Fiote | Grouped under "Other" category |
| | | Kikongo/ukongo | |
| | | Kimbundu | Grouped under "Other" category |
| | | Kwanhama | |
| | | Muhumbi | |
| Luvale | Grouped under "Other" category | | |
| | | Other | |
| Belize | 2015 | Mestizo/Spanish/Latino | Grouped under "Reference" category |
| | | Creole | Grouped under "African descent" category |
| | | Other | Grouped under "African descent" category |
| | | Maya | Grouped under "Indigenous" category |
| | | Garifuna | Grouped under "African descent" category |
| Benin | 2017 | Fon and related | |
| | | Yoruba and related | |
| | | Adja and related | |
| | | Peulh and related | |
| | | Other | |
| | | Other | |
| | | Dendi and related | |
| Bariba and related | | | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|--------------------------|------|------------------------|--------------------------------|
| | | Betamaribe and related | |
| | | Yoa, Lokpa and related | |
| Bosnia_and_Herzegovina | 2011 | Bosnian | |
| | | Serb | |
| | | Croat | |
| Burkina_Faso | 2010 | Mossi | |
| | | Dagara | |
| | | Bobo | |
| | | Other | |
| | | Sénoufo | |
| | | Gourounsi | |
| | | Fulfuldé / Peul | |
| | | Gourmatché | |
| | | Lobi | |
| | | Bissa | |
| | | Pays CEDEAO | Grouped under "Other" category |
| | | Dioula | Grouped under "Other" category |
| | | Touareg / Bella | |
| | | Other | Grouped under "Other" category |
| Central African Republic | 2018 | Mandja | |
| | | Gbaya | |
| | | Sara | |
| | | Banda | |
| | | Haoussa | |
| | | Ngbaka/Bantou | |
| | | Yakoma/Sango | |
| | | Other | |
| | | Zandé/Nzakara | Grouped under "Other" category |
| | | Mboum | |
| Cameroon | 2018 | Massa | Grouped under "Other" category |
| | | Guidar | Grouped under "Other" category |
| | | Mafa | Grouped under "Other" category |
| | | Gavar | Grouped under "Other" category |
| | | Bouwal | Grouped under "Other" category |
| | | Other | |
| | | Boulou | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|----------------|--------------------------------|
| | | Yambassa | Grouped under "Other" category |
| | | Ghomala-Cent | Grouped under "Other" category |
| | | Oku / Uku | Grouped under "Other" category |
| | | Bamoun | |
| | | Bororo | Grouped under "Other" category |
| | | Haoussa | Grouped under "Other" category |
| | | Ghomala-Oues | Grouped under "Other" category |
| | | Foulbe | |
| | | Nda'Nda-Sud | Grouped under "Other" category |
| | | Ewondo | |
| | | Voute | Grouped under "Other" category |
| | | Africain-Voi | Grouped under "Other" category |
| | | Bassa | Grouped under "Other" category |
| | | Bansaw / Banso | Grouped under "Other" category |
| | | Tikar | Grouped under "Other" category |
| | | Bamileke | |
| | | Ngomba | Grouped under "Other" category |
| | | Guiziga | Grouped under "Other" category |
| | | Kanuri | Grouped under "Other" category |
| | | Toupouri | Grouped under "Other" category |
| | | Daba | Grouped under "Other" category |
| | | Moundang | Grouped under "Other" category |
| | | Moussey | Grouped under "Other" category |
| | | Sara / Laka | Grouped under "Other" category |
| | | Maka / Makya | Grouped under "Other" category |
| | | Yanguere | Grouped under "Other" category |
| | | Other | |
| | | Sanaga | Grouped under "Other" category |
| | | Manguissa | Grouped under "Other" category |
| | | Mambila | Grouped under "Other" category |
| | | Gbaya | Grouped under "Other" category |
| | | Banyang | Grouped under "Other" category |
| | | Bakossi | Grouped under "Other" category |
| | | Mambay | Grouped under "Other" category |
| | | Mada | Grouped under "Other" category |
| | | Kotoko | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|----------------|--------------------------------|
| | | Ngemba | Grouped under "Other" category |
| | | Mankon | Grouped under "Other" category |
| | | Bafia | Grouped under "Other" category |
| | | Arabe-Choa | Grouped under "Other" category |
| | | Bum | Grouped under "Other" category |
| | | Eton | |
| | | Zime | Grouped under "Other" category |
| | | Mofou | Grouped under "Other" category |
| | | Fali | Grouped under "Other" category |
| | | Balom | Grouped under "Other" category |
| | | Africain-Aut | Grouped under "Other" category |
| | | Dschang-Cent | Grouped under "Other" category |
| | | Nda'Nda-Est | Grouped under "Other" category |
| | | Yamba | Grouped under "Other" category |
| | | Mbo | Grouped under "Other" category |
| | | Mousgoum | Grouped under "Other" category |
| | | Dourou | Grouped under "Other" category |
| | | Mboum | Grouped under "Other" category |
| | | Nkwen | Grouped under "Other" category |
| | | Ghomala-Sud | Grouped under "Other" category |
| | | Bamunka | Grouped under "Other" category |
| | | Eki | Grouped under "Other" category |
| | | Bafut | Grouped under "Other" category |
| | | Ngie | Grouped under "Other" category |
| | | Bambili | Grouped under "Other" category |
| | | Kozime | Grouped under "Other" category |
| | | Moghamo/Widi | Grouped under "Other" category |
| | | Ghomala-Nord | Grouped under "Other" category |
| | | Banen | Grouped under "Other" category |
| | | Kako | Grouped under "Other" category |
| | | Mouktele | Grouped under "Other" category |
| | | Fefe / Nufi-Ce | Grouped under "Other" category |
| | | Kom | Grouped under "Other" category |
| | | Ring | Grouped under "Other" category |
| | | Oshie/Ngishe | Grouped under "Other" category |
| | | Wimbum | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|----------------|--------------------------------|
| | | Noni | Grouped under "Other" category |
| | | Ntoumou | Grouped under "Other" category |
| | | Mvae | Grouped under "Other" category |
| | | Kwassio | Grouped under "Other" category |
| | | Kapsiki | Grouped under "Other" category |
| | | Zoulgo | Grouped under "Other" category |
| | | Podoko | Grouped under "Other" category |
| | | Metta | Grouped under "Other" category |
| | | Oroko | Grouped under "Other" category |
| | | Mungaka | Grouped under "Other" category |
| | | Medumba | Grouped under "Other" category |
| | | Mbam | Grouped under "Other" category |
| | | Lombe | Grouped under "Other" category |
| | | Mundum | Grouped under "Other" category |
| | | Bakwa | Grouped under "Other" category |
| | | Nda'Nda-Oues | Grouped under "Other" category |
| | | Yangben | Grouped under "Other" category |
| | | Fang | Grouped under "Other" category |
| | | Pinyin | Grouped under "Other" category |
| | | Bakweri | Grouped under "Other" category |
| | | Ngombale | Grouped under "Other" category |
| | | Pygme | Grouped under "Other" category |
| | | Mbouko | Grouped under "Other" category |
| | | Bakoko | Grouped under "Other" category |
| | | Dschang-Oues | Grouped under "Other" category |
| | | Fong | Grouped under "Other" category |
| | | Fefe / Nufi-No | Grouped under "Other" category |
| | | Douala | Grouped under "Other" category |
| | | Ejagham | Grouped under "Other" category |
| | | Bafmeng | Grouped under "Other" category |
| | | Wandala | Grouped under "Other" category |
| | | Yebekolo | Grouped under "Other" category |
| | | Nchanti/Ncan | Grouped under "Other" category |
| | | Awing | Grouped under "Other" category |
| | | Kera | Grouped under "Other" category |
| | | Mbembe | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|------------------------------------|--------------------------------|
| | | Pol/Pori | Grouped under "Other" category |
| | | Mezime / Mpo | Grouped under "Other" category |
| | | Nguiembong | Grouped under "Other" category |
| | | Mouyang | Grouped under "Other" category |
| | | Aghem | Grouped under "Other" category |
| | | Koutine | Grouped under "Other" category |
| | | Mvele | Grouped under "Other" category |
| | | Momo | Grouped under "Other" category |
| | | Kaka | Grouped under "Other" category |
| | | Bandem | Grouped under "Other" category |
| | | Kobotchi | Grouped under "Other" category |
| | | Fefe / Nufi | Grouped under "Other" category |
| | | Megaka / Bagam | Grouped under "Other" category |
| | | Djanti | Grouped under "Other" category |
| | | Massa/Mousseye/Mousgoume | |
| | | Ouadaï/Maba/Massalit/Mimi | |
| | | Other | |
| | | Sara | |
| | | Peul/Foulbé/Bodoré | |
| | | Dadajo/Kibet/Mouro | |
| | | Gabri/Kabalaye/Nangtché/é/Soumraye | Grouped under "Other" category |
| | | Arab | |
| | | Kanembou/Bornou/Boudouma | |
| | | Other | |
| Chad | 2014 | Boulala/Médégo/Kouka | |
| | | Zaghawa/Bideyat/Kobé | |
| | | Gorane | |
| | | Tama / Assongori / Mararit | |
| | | Other | |
| | | Toupouri/Kéra | |
| | | Baguirmi/Barma | Grouped under "Other" category |
| | | Marba/Lélé/Mesmé | |
| | | Mesmedjé/Massalat/Kadjaksé | Grouped under "Other" category |
| | | Moundang | |
| | | Bidio/Migami/Kenga/Dangléat | |
| | | Karo/Zimé/Pévé | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------------------------|------|---|--|
| Colombia | 2010 | Native Colombian | Grouped under "Indigenous" category |
| | | Other | Grouped under "Reference" category |
| | | Black/Mulato/Afro-Colombian/Afro-Descendent | Grouped under "African descent" category |
| | | Palanquero From San Basilio | Grouped under "African descent" category |
| | | Raizal From Archipelago (San Andres) | Grouped under "African descent" category |
| Congo_Brazzaville | 2014 | Other | Grouped under "Other" category |
| | | Kongo | |
| | | Eshira | |
| | | Other | |
| | | Mbosi | |
| | | Tekes | |
| | | Mbetis | |
| Sangha-Likouala | | | |
| Congo_Democratic_Republic | 2017 | Bantou | Grouped under "Other" category |
| | | Other | |
| | | Pygmees | |
| | | Nilotique | |
| | | Soudanais | |
| Costa_Rica | 2018 | Ninguna | Grouped under "Reference" category |
| | | Blanco | Grouped under "Reference" category |
| | | Negro/afrodescendiente | Grouped under "African descent" category |
| | | Mestizo | Grouped under "African descent" category |
| | | Mulato | Grouped under "African descent" category |
| | | Otra | Grouped under "Reference" category |
| | | Indígena | Grouped under "Indigenous" category |
| | | Chino | Grouped under "Reference" category |
| Cote_dIvoire | 2016 | Gur | Grouped under "African descent" category |
| | | Mandé du Sud | |
| | | Mandé du Nord | |
| | | Other | |
| | | Other | |
| | | Akan | |
| Cuba | 2019 | Mulato, mestizo / Otro | Grouped under "African descent" category |
| | | Blanco | Grouped under "Reference" category |
| | | Negro | Grouped under "African descent" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|--------------------|--------------------------------|--------------|--|
| Dominican_Republic | 2014 | Español | Grouped under "Reference" category |
| | | Creole | Grouped under "African descent" category |
| | | Otra | Grouped under "Reference" category |
| | | Nuwer | |
| | | Welaita | Grouped under "Other" category |
| | | Affar | |
| | | Oromo | |
| | | Amhara | |
| | | Tigrie | |
| | | Hadiya | Grouped under "Other" category |
| | | Somalie | |
| | | Guragie | |
| | | Kembata | Grouped under "Other" category |
| | | Silte | Grouped under "Other" category |
| Me'Enite | Grouped under "Other" category | | |
| Ethiopia | 2016 | Bench | Grouped under "Other" category |
| | | Berta | |
| | | Gedeo | Grouped under "Other" category |
| | | Sidama | Grouped under "Other" category |
| | | Goffa | Grouped under "Other" category |
| | | Agew-Awi | Grouped under "Other" category |
| | | Anyiwak | Grouped under "Other" category |
| | | Other | |
| | | Gamo | Grouped under "Other" category |
| | | Sheko | Grouped under "Other" category |
| | | Mejenger | Grouped under "Other" category |
| | | Bena | Grouped under "Other" category |
| | | Kefficho | Grouped under "Other" category |
| | | Yem | Grouped under "Other" category |
| | | Gumuz | Grouped under "Other" category |
| | | Shinasha | Grouped under "Other" category |
| | | Agew Hamyra | Grouped under "Other" category |
| | | Mao | Grouped under "Other" category |
| Komo | Grouped under "Other" category | | |
| Burji | Grouped under "Other" category | | |
| Ari | Grouped under "Other" category | | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|-----------|------|-----------------|--|
| | | Dawuro | Grouped under "Other" category |
| | | Harari | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Argoba | Grouped under "Other" category |
| | | Dizi | Grouped under "Other" category |
| | | Konta | Grouped under "Other" category |
| | | Derashe | Grouped under "Other" category |
| | | Shira-Punu/Vili | |
| | | Fang | |
| | | Kota-Kele | |
| | | Other | Grouped under "Other" category |
| Gabon | 2012 | Okande-Tsogho | Grouped under "Other" category |
| | | Nzabi-Duma | |
| | | Pygme | Grouped under "Other" category |
| | | Mbede-Teke | |
| | | Myene | Grouped under "Other" category |
| | | Fula | |
| | | Mandinka | |
| | | Sarahule | |
| Gambia | 2018 | Other | Grouped under "Other" category |
| | | Wollof | |
| | | Other | Grouped under "Other" category |
| | | Jola | |
| | | Gruma | |
| | | Mole Dagbani | |
| | | Grusi | |
| | | Akan | |
| Ghana | 2017 | Other | Grouped under "Other" category |
| | | Ga/Damgme | |
| | | Guan | |
| | | Ewe | |
| | | Mande | Grouped under "Other" category |
| | | Ladina/Mestiza | Grouped under "Reference" category |
| Guatemala | 2014 | Maya | Grouped under "Indigenous" category |
| | | Xinca | Grouped under "Indigenous" category |
| | | Garifuna | Grouped under "African descent" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------------|-------------------------------------|----------------|--|
| Guinea | 2018 | Peulh | |
| | | Soussou | |
| | | Malinké | |
| | | Guerzé | |
| | | Kissi | |
| Guinea_Bissau | 2018 | Balanta | |
| | | Beafada | |
| | | Other | Grouped under "Other" category |
| | | Mandinga | |
| | | Papel | |
| | | Fula | |
| | | Mancanha | Grouped under "Other" category |
| | | Manjaco | |
| | | Felupe | Grouped under "Other" category |
| Guyana | 2014 | Mixed Race | Grouped under "Reference" category |
| | | East Indian | Grouped under "Reference" category |
| | | African | Grouped under "African descent" category |
| | | Amerindian | Grouped under "Indigenous" category |
| Honduras | 2011 | Garifuna | Grouped under "African descent" category |
| | | Lenca | Grouped under "Indigenous" category |
| | | DK/none | Grouped under "Reference" category |
| | | Misquito | Grouped under "Indigenous" category |
| | | Tolupán | Grouped under "Indigenous" category |
| | | Other | Grouped under "Reference" category |
| | | Negro inglés | Grouped under "African descent" category |
| | | Maya chorti | Grouped under "Indigenous" category |
| | | Tawaka (sumo) | Grouped under "Indigenous" category |
| Pech (paya) | Grouped under "Indigenous" category | | |
| India | 2015 | Caste | |
| | | Tribe | |
| | | No caste/Tribe | |
| Iraq | 2018 | Arabic | |
| | | Kurdish | |
| Jordan | 2017 | Jordanian | |
| | | Egyptian | Grouped under "Other" category |
| | | Syrian | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|------------|------|-------------------|--------------------------------|
| | | Other | Grouped under "Other" category |
| | | Iraqi | |
| | | Other | Grouped under "Other" category |
| Kazakhstan | 2015 | Kazakh | |
| | | Other | Grouped under "Other" category |
| | | Russian | |
| | | Luo | |
| | | Luhya | |
| | | Iteso | Grouped under "Other" category |
| | | Taita/Taveta | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Kuria | Grouped under "Other" category |
| | | Kikuya | |
| | | Kalenjin | |
| | | Kamba | |
| | | Somali | |
| | | Turkana | |
| Kenya | 2014 | Kisii | |
| | | Mijikenda/Swahili | |
| | | Meru | |
| | | Maasai | |
| | | Boran | |
| | | Samburu | |
| | | Mbere | Grouped under "Other" category |
| | | Embu | Grouped under "Other" category |
| | | Rendille | Grouped under "Other" category |
| | | Orma | Grouped under "Other" category |
| | | Pokomo | |
| | | Gabbara | Grouped under "Other" category |
| Kyrgyzstan | 2018 | Uzbek | |
| | | Kyrgyz | |
| | | Chinese-Tibetan | |
| Laos | 2017 | Hmong-Mien | |
| | | Lao-Tai | |
| | | Mon-Khmer | |
| Malawi | 2015 | Yao | |

| Country | Year | Ethnic group | Grouping (when applicable) |
|------------|------|------------------------|-------------------------------------|
| | | Ngoni | |
| | | Chewa | |
| | | Lomwe | |
| | | Sena | |
| | | Other | Grouped under "Other" category |
| | | Tumbuka | |
| | | Nyanga | Grouped under "Other" category |
| | | Nkhonde | Grouped under "Other" category |
| | | Tonga | |
| | | Mang'Anja | |
| | | Peulh | |
| | | Sonrai | |
| | | Bambara | |
| | | Touareg/Bella | |
| | | Other | Grouped under "Other" category |
| | | Sénoufo/Minianka | |
| Mali | 2018 | Dogon | |
| | | Sarakole/Soninke/Marka | |
| | | Malinke | |
| | | Bobo | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Ecowas Countries | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Arabe | |
| | | Soninké | |
| Mauritania | 2015 | Poular | |
| | | Wolof | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| Mexico | 2015 | Hogar no indígena | Grouped under "Reference" category |
| | | Hogar indígena | Grouped under "Indigenous" category |
| | | Khalkh | |
| Mongolia | 2018 | Other | Grouped under "Other" category |
| | | Kazakh | |
| | | Montenegrin | |
| Montenegro | 2013 | Serbian | |
| | | Albanian | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|------------|------|--------------|--------------------------------|
| | | Roma | Grouped under "Other" category |
| | | Muslim | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Croat | Grouped under "Other" category |
| | | Bosniak | Grouped under "Other" category |
| | | Cisena | |
| | | Elomwe | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Xitswa | |
| | | Português | |
| | | Xichangana | |
| Mozambique | 2015 | Ciyao | Grouped under "Other" category |
| | | Emakhuwa | |
| | | Cinyanja | |
| | | Cinyungwe | Grouped under "Other" category |
| | | Shona | Grouped under "Other" category |
| | | Echuwabo | Grouped under "Other" category |
| | | Cindau | |
| Myanmar | 2015 | Myanmar | |
| | | Other | Grouped under "Other" category |
| | | San | Grouped under "Other" category |
| | | Oshiwambo | |
| | | Damara>Nama | |
| Namibia | 2013 | Afrikaans | |
| | | Lozi | |
| | | Kwangali | |
| | | English | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Herero | |
| | | Kami | |
| | | Chhetree | |
| | | Tamang | |
| Nepal | 2019 | Lohar | Grouped under "Other" category |
| | | Tharu | |
| | | Musalman | |
| | | Kewat | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|---------------------|--------------------------------|
| | | Brahman - Hill | |
| | | Magar | |
| | | Thakuri | Grouped under "Other" category |
| | | Dhobi | Grouped under "Other" category |
| | | Yadav | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Kurmi | Grouped under "Other" category |
| | | Koiri/Kushwaha | Grouped under "Other" category |
| | | Dusadh/Pasawan/Pasi | Grouped under "Other" category |
| | | Kalwar | Grouped under "Other" category |
| | | Chamar/Harijan/Ram | Grouped under "Other" category |
| | | Kumal | Grouped under "Other" category |
| | | Kathbaniyan | Grouped under "Other" category |
| | | Damai/Dholi | Grouped under "Other" category |
| | | Newar | Grouped under "Other" category |
| | | Sarki | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Rajbhar | Grouped under "Other" category |
| | | Hajam/Thakur | Grouped under "Other" category |
| | | Musahar | Grouped under "Other" category |
| | | Gurung | Grouped under "Other" category |
| | | Chepang/Praja | Grouped under "Other" category |
| | | Darai | Grouped under "Other" category |
| | | Gharti/Bhujel | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Rai | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Thakali | Grouped under "Other" category |
| | | Majhi | Grouped under "Other" category |
| | | Sunuwar | Grouped under "Other" category |
| | | Limbu | Grouped under "Other" category |
| | | Sanyasi/Dashnami | Grouped under "Other" category |
| | | Tajpuriya | Grouped under "Other" category |
| | | Ghale | Grouped under "Other" category |
| | | Pahari | Grouped under "Other" category |
| | | Danuwar | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|-----------------|--------------------------------|
| | | Sonar | Grouped under "Other" category |
| | | Mallaha | Grouped under "Other" category |
| | | Bin | Grouped under "Other" category |
| | | Tatma/Tatwa | Grouped under "Other" category |
| | | Rajput | Grouped under "Other" category |
| | | Kumhar | Grouped under "Other" category |
| | | Teli | Grouped under "Other" category |
| | | Brahman - Tarai | Grouped under "Other" category |
| | | Dhanuk | Grouped under "Other" category |
| | | Kori | Grouped under "Other" category |
| | | Dev | Grouped under "Other" category |
| | | Baraee | Grouped under "Other" category |
| | | Kanu | Grouped under "Other" category |
| | | Nuniya | Grouped under "Other" category |
| | | Mali | Grouped under "Other" category |
| | | Gaderi/Bhedhar | Grouped under "Other" category |
| | | Bantar/Sardar | Grouped under "Other" category |
| | | Amat | Grouped under "Other" category |
| | | Bahing | Grouped under "Other" category |
| | | Marwadi | Grouped under "Other" category |
| | | Bangali | Grouped under "Other" category |
| | | Gangai | Grouped under "Other" category |
| | | Haluwai | Grouped under "Other" category |
| | | Yakkha | Grouped under "Other" category |
| | | Rajbansi | Grouped under "Other" category |
| | | Aathpariya | Grouped under "Other" category |
| | | Jhangad/Dhagar | Grouped under "Other" category |
| | | Satar/Santhal | Grouped under "Other" category |
| | | Sherpa | Grouped under "Other" category |
| | | Haoussa | |
| | | Zarma | |
| | | Kanouri/Toubou | |
| Niger | 2012 | French | Grouped under "Other" category |
| | | Tamasheq | Grouped under "Other" category |
| | | Fulfulde | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|------------------|------|---------------------------------|--|
| | | Gourmantchéma | Grouped under "Other" category |
| | | Arab | Grouped under "Other" category |
| | | Hausa | |
| | | Fulani | |
| | | Kanuri/Berberi | |
| | | Other | Grouped under "Other" category |
| | | Yoruba | |
| Nigeria | 2018 | Ekoi | Grouped under "Other" category |
| | | Igbo | |
| | | Ibibio | |
| | | Tiv | |
| | | Ijaw/Izon | |
| | | Igala | |
| North_Macedonia | 2018 | Macedonian | |
| | | Albanian | |
| | | Urdu | |
| | | Punjabi | |
| | | Pushto | |
| | | Sariaki | |
| | | Other | Grouped under "Other" category |
| | | English | Grouped under "Other" category |
| | | Baluchi | |
| | | Sindh | |
| | | Otro grupo | Grouped under "Reference" category |
| Panama | 2013 | Negro o afrodescendiente | Grouped under "African descent" category |
| | | Indígena | Grouped under "Indigenous" category |
| | | Tok Ples | |
| Papua_New_Guinea | 2016 | Pidgin | |
| | | English | |
| | | Indígena | Grouped under "Indigenous" category |
| | | Hablante guaraní y castellano | Grouped under "Reference" category |
| | | Hablante sólo guaraní | Grouped under "Indigenous" category |
| | | Hablante sólo castellano | Grouped under "Reference" category |
| | | Hablante de otro idioma | Grouped under "Reference" category |
| | | Otra lengua nativa u originaria | Grouped under "Indigenous" category |
| Peru | 2019 | Shipibo/Konibo | Grouped under "Indigenous" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|--------------|------|-------------------------|-------------------------------------|
| | | Castellano | Grouped under "Reference" category |
| | | Quechua | Grouped under "Indigenous" category |
| | | Achuar | Grouped under "Indigenous" category |
| | | Portugués | Grouped under "Reference" category |
| | | Awajún/Aguaruna | Grouped under "Indigenous" category |
| | | Shawi/Chayahuita | Grouped under "Indigenous" category |
| | | Matsigenka/ Machiguenga | Grouped under "Indigenous" category |
| | | Aimara | Grouped under "Indigenous" category |
| | | Ashaninka | Grouped under "Indigenous" category |
| | | Ilonggo | |
| | | Other | Grouped under "Other" category |
| | | Tausog | Grouped under "Other" category |
| | | Cebuano | |
| | | Visaya | |
| Philippines | 2017 | Maranao | |
| | | Ilokano | |
| | | Waray | |
| | | Tagalog | |
| | | Bikolano | |
| | | Kapampangan | Grouped under "Other" category |
| | | Wolof | |
| | | Poular | |
| | | Other | Grouped under "Other" category |
| Senegal | 2019 | Mandingue/ Socé | |
| | | Serer | |
| | | Not Senegalese | Grouped under "Other" category |
| | | Diola | Grouped under "Other" category |
| | | Soninké | Grouped under "Other" category |
| | | Mende | |
| | | Temne | |
| | | Loko | Grouped under "Other" category |
| Sierra_Leone | 2019 | Limba | |
| | | Fullah | |
| | | Other | |
| | | Korankoh | |
| | | Sherbro | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|--------------|------|-----------------------|--|
| | | Kono | |
| | | Mandingo | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Creole | Grouped under "Other" category |
| South_Africa | 2016 | Black/African | |
| | | Coloured | |
| | | Hindustani | Grouped under "Reference" category |
| | | Indigenous/Amerindian | Grouped under "Indigenous" category |
| | | Maroon | Grouped under "African descent" category |
| Suriname | 2018 | Creole | Grouped under "Reference" category |
| | | Mixed ethnicity | Grouped under "Reference" category |
| | | Javanese | Grouped under "Reference" category |
| | | Other | Grouped under "Reference" category |
| | | Other | Grouped under "Other" category |
| Tajikistan | 2017 | Tajik | |
| | | Russian | Grouped under "Other" category |
| Thailand | 2019 | Thai | |
| | | Non-Thai | |
| | | Tetum | |
| Timor_Leste | 2016 | Other | Grouped under "Other" category |
| | | Bahasa | Grouped under "Other" category |
| | | Paragourma | |
| | | Other | Grouped under "Other" category |
| | | Kabye-Tem | |
| Togo | 2017 | Other | Grouped under "Other" category |
| | | Adja-Ewe | |
| | | Ana-Ife | Grouped under "Other" category |
| | | Akposso/Akébou | Grouped under "Other" category |
| Turkmenistan | 2015 | Turkmen | |
| | | Uzbek | |
| | | Acholi | |
| | | Iteso | |
| | | Lango | |
| Uganda | 2016 | Madi | Grouped under "Other" category |
| | | Kuku | Grouped under "Other" category |
| | | Kakwa | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|---------|------|--------------|--------------------------------|
| | | Aringa | Grouped under "Other" category |
| | | Bakonzo | |
| | | Lugbara | |
| | | Banyoro | |
| | | Alur | |
| | | Jonam | Grouped under "Other" category |
| | | Kebu (Okebu) | Grouped under "Other" category |
| | | Nubi | Grouped under "Other" category |
| | | Other | Grouped under "Other" category |
| | | Bagisu | |
| | | Chope | Grouped under "Other" category |
| | | Baruli | Grouped under "Other" category |
| | | Basoga | |
| | | Banyankore | |
| | | Bagwere | |
| | | Baganda | |
| | | Bagungu | Grouped under "Other" category |
| | | Bakiga | |
| | | Bafumbira | |
| | | Banyarwanda | |
| | | Batoro | |
| | | Bahororo | Grouped under "Other" category |
| | | Batagwenda | Grouped under "Other" category |
| | | Babwisi | Grouped under "Other" category |
| | | Baamba | Grouped under "Other" category |
| | | Batuku | Grouped under "Other" category |
| | | Banyaruguru | Grouped under "Other" category |
| | | Banyole | |
| | | Bakenyi | Grouped under "Other" category |
| | | Jopadhola | |
| | | Karimojong | |
| | | Basamia | Grouped under "Other" category |
| | | Barundi | Grouped under "Other" category |
| | | Pokot | Grouped under "Other" category |
| | | Jie | Grouped under "Other" category |
| | | Ik (Teuso) | Grouped under "Other" category |

| Country | Year | Ethnic group | Grouping (when applicable) |
|----------|------|--------------|--------------------------------|
| | | Sabiny | Grouped under "Other" category |
| | | Ethur | Grouped under "Other" category |
| | | Dodoth | Grouped under "Other" category |
| | | Mening | Grouped under "Other" category |
| | | Napore | Grouped under "Other" category |
| | | Kumam | Grouped under "Other" category |
| | | Banyara | Grouped under "Other" category |
| Vietnam | 2013 | Kinh | |
| | | Non-Kinh | |
| Zambia | 2018 | Lozi | |
| | | Tonga | |
| | | Bemba | |
| | | Kaonde | |
| | | Nyanja | |
| | | Other | Grouped under "Other" category |
| | | English | Grouped under "Other" category |
| | | Lunda | |
| | | Luvale | |
| Zimbabwe | 2019 | Other | Grouped under "Other" category |
| | | Shona | |
| | | Ndebele | |
| | | English | Grouped under "Other" category |

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25 **Supplementary Table 2 - Countries included in the analysis, number of ethnic groups by country and no-DPT prevalence and prevalence ratio for ethnic**
 26 **groups.**

| Country | Year | Source | Gavi eligibility | Variable | Number of children | Ethnic groups | No-DPT prevalence by ethnic group | | | | | Ratio |
|--------------------------|------|--------|------------------|------------|--------------------|---------------|-----------------------------------|--------|--------|---------|--------|-------|
| | | | | | | | Median | Lowest | 95% CI | Highest | 95% CI | |
| Afghanistan | 2015 | DHS | Yes | Ethnicity | 5809 | 9 | 32 | 15 | 6;23 | 99 | 97;100 | 6.7 |
| Angola | 2015 | DHS | Yes | Language | 2845 | 9 | 43 | 16 | 9;23 | 66 | 47;86 | 4.2 |
| Belize | 2015 | MICS | No | Ethnicity | 503 | 3 | 11 | 4 | 1;7 | 13 | 5;21 | 3.4 |
| Benin | 2017 | DHS | Yes | Ethnicity | 2522 | 9 | 14 | 8 | 6;10 | 51 | 42;60 | 6.3 |
| Bosnia and Herzegovina | 2011 | MICS | No | Language | 512 | 3 | 3 | 2 | 0;4 | 3 | 2;5 | 1.7 |
| Burkina Faso | 2010 | DHS | Yes | Ethnicity | 2784 | 11 | 4 | 0 | 0;0 | 32 | 14;49 | - |
| Cameroon | 2018 | DHS | Yes | Ethnicity | 1824 | 7 | 10 | 8 | 3;14 | 28 | 19;37 | 3.3 |
| Central African Republic | 2018 | MICS | Yes | Ethnicity | 1688 | 9 | 44 | 34 | 23;46 | 58 | 46;71 | 1.7 |
| Chad | 2014 | DHS | Yes | Ethnicity | 2810 | 17 | 43 | 8 | 3;13 | 79 | 66;92 | 9.5 |
| Colombia | 2010 | DHS | No | Ethnicity | 3434 | 3 | 3 | 3 | 1;5 | 4 | 2;7 | 1.4 |
| Congo Brazzaville | 2014 | MICS | Yes | Ethnicity | 1772 | 6 | 22 | 8 | 5;10 | 29 | 19;39 | 3.7 |
| Congo, DR | 2017 | MICS | Yes | Ethnicity | 4222 | 3 | 34 | 20 | 8;32 | 36 | 27;46 | 1.8 |
| Costa Rica | 2018 | MICS | No | Ethnicity | 625 | 2 | 3 | 1 | 0;2 | 5 | 1;8 | 5.0 |
| Côte d'Ivoire | 2016 | MICS | Yes | Ethnicity | 1783 | 6 | 22 | 10 | 7;13 | 25 | 20;31 | 2.6 |
| Cuba | 2019 | MICS | No | Skin color | 1119 | 2 | 3 | 1 | 1;2 | 5 | 0;10 | 3.6 |
| Dominican Republic | 2014 | MICS | No | Language | 3917 | 2 | 15 | 8 | 6;9 | 22 | 16;27 | 2.9 |
| Ethiopia | 2016 | DHS | Yes | Ethnicity | 1926 | 9 | 26 | 6 | 2;11 | 55 | 29;82 | 9.1 |
| Gabon | 2012 | DHS | No | Ethnicity | 1073 | 6 | 12 | 9 | 3;15 | 15 | 9;22 | 1.7 |
| Gambia | 2018 | MICS | Yes | Ethnicity | 1895 | 6 | 3 | 1 | 0;2 | 6 | 2;9 | 4.8 |
| Ghana | 2017 | MICS | Yes | Ethnicity | 1680 | 8 | 4 | 2 | 0;5 | 7 | 1;13 | 3.3 |
| Guatemala | 2014 | DHS | No | Ethnicity | 2401 | 2 | 3 | 1 | 1;2 | 4 | 3;5 | 2.9 |
| Guinea | 2018 | DHS | Yes | Ethnicity | 1390 | 5 | 31 | 15 | 6;25 | 54 | 48;59 | 3.5 |
| Guinea Bissau | 2018 | MICS | Yes | Ethnicity | 1409 | 7 | 6 | 1 | 0;3 | 11 | 1;21 | 9.6 |
| Guyana | 2014 | MICS | Yes | Ethnicity | 686 | 3 | 4 | 4 | 1;7 | 6 | 2;10 | 1.6 |
| Honduras | 2011 | DHS | Yes | Ethnicity | 2275 | 3 | 1 | 0 | 0;0 | 1 | 1;2 | 10.0 |

| Country | Year | Source | Gavi eligibility | Variable | Number of children | Ethnic groups | No-DPT prevalence by ethnic group | | | | | Ratio |
|------------------|------|--------|------------------|-----------|--------------------|---------------|-----------------------------------|--------|--------|---------|--------|-------|
| | | | | | | | Median | Lowest | 95% CI | Highest | 95% CI | |
| India | 2015 | DHS | Yes | Caste | 48932 | 3 | 11 | 10 | 10;11 | 14 | 13;16 | 1.4 |
| Iraq | 2018 | MICS | No | Language | 3160 | 2 | 11 | 7 | 3;11 | 15 | 12;17 | 2.2 |
| Jordan | 2017 | DHS | No | Ethnicity | 1945 | 3 | 11 | 6 | 5;8 | 20 | 3;36 | 3.0 |
| Kazakhstan | 2015 | MICS | No | Ethnicity | 1103 | 3 | 4 | 3 | 2;4 | 13 | 5;21 | 4.3 |
| Kenya | 2014 | DHS | Yes | Ethnicity | 4051 | 15 | 2 | 0 | 0;1 | 11 | 7;16 | 27.5 |
| Kyrgyzstan | 2018 | MICS | Yes | Ethnicity | 602 | 2 | 11 | 8 | 5;11 | 14 | 5;22 | 1.7 |
| Laos | 2017 | MICS | Yes | Ethnicity | 2194 | 4 | 35 | 19 | 16;22 | 43 | 37;49 | 2.3 |
| Malawi | 2015 | DHS | Yes | Ethnicity | 3248 | 9 | 2 | 1 | 0;3 | 7 | 2;12 | 7.9 |
| Mali | 2018 | DHS | Yes | Ethnicity | 1946 | 9 | 21 | 8 | 4;13 | 52 | 32;71 | 6.3 |
| Mauritania | 2015 | MICS | Yes | Language | 2088 | 3 | 15 | 15 | 12;17 | 25 | 9;41 | 1.7 |
| Mexico | 2015 | MICS | No | Ethnicity | 1536 | 2 | 9 | 8 | 5;10 | 11 | 4;17 | 1.4 |
| Mongolia | 2018 | MICS | No | Ethnicity | 1070 | 3 | 3 | 2 | 0;4 | 12 | 4;20 | 6.7 |
| Montenegro | 2013 | MICS | No | Ethnicity | 249 | 3 | 7 | 4 | 0;7 | 11 | 0;22 | 3.0 |
| Mozambique | 2015 | DHS | Yes | Language | 1026 | 8 | 11 | 1 | 0;3 | 27 | 9;45 | 24.4 |
| Myanmar | 2015 | DHS | Yes | Language | 915 | 2 | 18 | 11 | 8;14 | 26 | 15;37 | 2.4 |
| Namibia | 2013 | DHS | No | Language | 990 | 7 | 7 | 6 | 3;8 | 19 | 3;35 | 3.4 |
| Nepal | 2019 | MICS | Yes | Ethnicity | 1327 | 8 | 8 | 4 | 0;9 | 21 | 9;34 | 4.9 |
| Niger | 2012 | DHS | Yes | Language | 2151 | 4 | 20 | 5 | 3;8 | 40 | 29;50 | 7.9 |
| Nigeria | 2018 | DHS | Yes | Ethnicity | 6057 | 10 | 26 | 6 | 4;8 | 64 | 58;69 | 10.1 |
| North Macedonia | 2018 | MICS | No | Ethnicity | 272 | 2 | 2 | 2 | 0;3 | 3 | 0;9 | 1.8 |
| Pakistan | 2017 | DHS | Yes | Language | 2314 | 7 | 17 | 1 | 0;2 | 28 | 21;35 | 31.4 |
| Panama | 2013 | MICS | No | Ethnicity | 1323 | 3 | 6 | 5 | 1;9 | 14 | 8;19 | 2.8 |
| Papua New Guinea | 2016 | DHS | Yes | Language | 1709 | 3 | 36 | 15 | 1;29 | 38 | 32;45 | 2.6 |
| Paraguay | 2016 | MICS | No | Ethnicity | 1012 | 2 | 5 | 4 | 2;6 | 7 | 4;9 | 1.7 |
| Peru | 2019 | DHS | No | Ethnicity | 4201 | 2 | 6 | 5 | 4;6 | 7 | 4;10 | 1.5 |
| Philippines | 2017 | DHS | No | Ethnicity | 1986 | 9 | 13 | 4 | 1;7 | 64 | 49;79 | 16.4 |
| Senegal | 2019 | DHS | Yes | Ethnicity | 1183 | 5 | 3 | 2 | 0;4 | 6 | 2;9 | 2.7 |

| Country | Year | Source | Gavi eligibility | Variable | Number of children | Ethnic groups | No-DPT prevalence by ethnic group | | | | | Ratio |
|--------------|------|--------|------------------|-----------|--------------------|---------------|-----------------------------------|--------|--------|---------|--------|-------|
| | | | | | | | Median | Lowest | 95% CI | Highest | 95% CI | |
| Sierra Leone | 2019 | DHS | Yes | Ethnicity | 1861 | 7 | 6 | 0 | 0;0 | 9 | 0;18 | - |
| South Africa | 2016 | DHS | No | Ethnicity | 660 | 2 | 8 | 8 | 1;15 | 9 | 6;12 | 1.2 |
| Suriname | 2018 | MICS | No | Ethnicity | 719 | 2 | 20 | 18 | 12;24 | 23 | 15;30 | 1.2 |
| Tajikistan | 2017 | DHS | Yes | Language | 1297 | 2 | 7 | 6 | 2;11 | 8 | 6;10 | 1.3 |
| Thailand | 2019 | MICS | No | Language | 2879 | 2 | 9 | 2 | 1;3 | 15 | 2;29 | 7.6 |
| Timor-Leste | 2016 | DHS | Yes | Language | 1423 | 2 | 19 | 15 | 4;26 | 22 | 19;25 | 1.4 |
| Togo | 2017 | MICS | Yes | Ethnicity | 973 | 4 | 9 | 6 | 2;10 | 12 | 4;21 | 2.3 |
| Turkmenistan | 2015 | MICS | No | Language | 752 | 2 | 0 | 0 | 0;0 | 1 | 0;1 | - |
| Uganda | 2016 | DHS | Yes | Ethnicity | 2922 | 20 | 4 | 1 | 0;2 | 15 | 1;30 | 30.4 |
| Vietnam | 2013 | MICS | Yes | Ethnicity | 785 | 2 | 7 | 2 | 1;4 | 12 | 6;18 | 5.0 |
| Zambia | 2018 | DHS | Yes | Language | 1928 | 8 | 2 | 1 | 0;2 | 10 | 0;23 | 17.2 |
| Zimbabwe | 2019 | MICS | Yes | Language | 1153 | 3 | 2 | 0 | 0;0 | 6 | 4;8 | - |

27 Legend: no-DPT: children who did not received any doses of the diphtheria-tetanus-pertussis-containing vaccine. CI: confidence interval. Lowest refers to the
 28 ethnic group with the lowest no-DPT prevalence in the country. Highest refers to the ethnic group with the highest no-DPT prevalence in the country.
 29 Ratio, as a relative measure, is influenced by low values, therefore the highest ratios are probably due to the low no-DPT prevalence in the lowest group and
 30 might be influenced by rounding in no-DPT prevalence in the lowest and highest groups.
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32 Supplementary Table 3 – Crude and Adjusted no-DPT prevalence by ethnic group.

| Country | Year | Ethnic group | Crude | | | | Adjusted | | | |
|-------------|------|------------------------|-------------------|--------|-------|---------|-------------------|--------|------|---------|
| | | | No-DPT prevalence | 95% CI | | p value | No-DPT prevalence | 95% CI | | p value |
| Afghanistan | 2015 | Other | 32.3 | 15.7 | 48.9 | <0.001 | 27.5 | 14.2 | 40.7 | <0.001 |
| | | Turkmen | 29.8 | 16.4 | 43.2 | | 26.2 | 15.4 | 37 | |
| | | Uzbek | 14.6 | 6.2 | 23.1 | | 14.7 | 8.1 | 21.4 | |
| | | Baloch | 49 | 28.4 | 69.6 | | 47.1 | 31.3 | 63 | |
| | | Hazara | 24.4 | 18.5 | 30.4 | | 25.5 | 20.3 | 30.7 | |
| | | Nuristani | 98.5 | 96.7 | 100.3 | | 89.9 | 83.7 | 96.1 | |
| | | Pashai | 37.4 | 23.4 | 51.3 | | 34.4 | 21.6 | 47.3 | |
| | | Pashtun | 33.6 | 27.7 | 39.5 | | 33.4 | 28.1 | 38.7 | |
| | | Tajik | 20.8 | 17.1 | 24.4 | | 21.2 | 17.7 | 24.7 | |
| Angola | 2015 | Other | 48.2 | 34.8 | 61.6 | <0.001 | 34.2 | 25.4 | 43 | <0.001 |
| | | Chokwe/kioko | 53.6 | 45 | 62.2 | | 41 | 35 | 46.9 | |
| | | Kikongo/ukongo | 37.8 | 26.2 | 49.5 | | 31.3 | 23.5 | 39 | |
| | | Kwanhama | 15.9 | 8.6 | 23.2 | | 9.5 | 5.2 | 13.9 | |
| | | Muhumbi | 26.8 | 14.7 | 38.8 | | 15.2 | 7.6 | 22.9 | |
| | | Nganguela | 66.2 | 46.9 | 85.6 | | 42.7 | 30.5 | 54.9 | |
| | | Nhaneca | 42.5 | 29.5 | 55.6 | | 23.7 | 16 | 31.3 | |
| | | Português | 21.1 | 17.9 | 24.4 | | 30.1 | 26.2 | 34 | |
| | | Umbundu | 54.5 | 47.2 | 61.8 | | 34.4 | 29.5 | 39.3 | |
| Belize | 2015 | African descent | 12.7 | 4.6 | 20.7 | 0.069 | 16.4 | 6.3 | 26.4 | <0.001 |
| | | Indigenous | 11.3 | 0 | 24 | | 8.5 | 1 | 15.9 | |
| | | Reference | 3.7 | 0.5 | 6.8 | | 2.2 | 0.7 | 3.8 | |
| Benin | 2017 | Other | 10.2 | 5.4 | 15 | <0.001 | 10.1 | 5.1 | 15.1 | <0.001 |
| | | Adja and related | 14.3 | 9.7 | 18.8 | | 16.6 | 11.3 | 21.9 | |
| | | Bariba and related | 11 | 6.6 | 15.4 | | 9.8 | 5.8 | 13.9 | |
| | | Betamaribe and related | 14.2 | 7.7 | 20.6 | | 11.5 | 6.4 | 16.5 | |
| | | Dendi and related | 19.6 | 12.8 | 26.5 | | 18.2 | 13.3 | 23.2 | |
| | | Fon and related | 8.1 | 5.9 | 10.3 | | 9.4 | 6.9 | 12 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|--------------------------|------|------------------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Peulh and related | 50.9 | 41.5 | 60.2 | | 34.3 | 27.5 | 41.1 | |
| | | Yoa, Lokpa and related | 13.3 | 4.8 | 21.8 | | 14.7 | 5.4 | 24 | |
| | | Yoruba | 16.9 | 11.6 | 22.3 | | 19.9 | 13.8 | 26 | |
| Bosnia and Herzegovina | 2011 | Bosnian | 3.4 | 1.5 | 5.4 | 0.685 | 3.3 | 0 | 35.6 | 0.96 |
| | | Croat | 2.9 | 0 | 7.1 | | 4.5 | 0 | 70 | |
| | | Serb | 2 | 0 | 4.3 | | 2 | 0 | 15.1 | |
| Burkina Faso | 2010 | Bissa | 0.9 | 0 | 2.7 | <0.001 | 1 | 0 | 3 | <0.001 |
| | | Bobo | 0.3 | 0 | 0.8 | | 0.3 | 0 | 0.9 | |
| | | Dagara | 1.2 | 0 | 3.4 | | 1.2 | 0 | 3.2 | |
| | | Fulfuldé / Peul | 8.4 | 2.7 | 14.1 | | 7.4 | 2.5 | 12.3 | |
| | | Gourmatché | 13.1 | 6.7 | 19.5 | | 11.6 | 5.7 | 17.6 | |
| | | Gourounsi | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | Lobi | 5.3 | 0 | 13.2 | | 5.2 | 0 | 12.9 | |
| | | Mossi | 3.5 | 2.1 | 4.8 | | 3.5 | 2.1 | 4.9 | |
| | | Other | 3.7 | 0.1 | 7.4 | | 4.1 | 0.1 | 8.1 | |
| | | Sénoufo | 16.4 | 7.1 | 25.8 | | 17.2 | 7.7 | 26.7 | |
| | | Touareg / Bella | 31.8 | 14.2 | 49.4 | | 28 | 11 | 45 | |
| Central African Republic | 2018 | Banda | 44.9 | 37.2 | 52.6 | 0.111 | 44.3 | 37.3 | 51.3 | 0.001 |
| | | Gbaya | 48.9 | 43.5 | 54.2 | | 46.5 | 41.6 | 51.4 | |
| | | Haoussa | 44.1 | 29.4 | 58.7 | | 50.5 | 33.5 | 67.5 | |
| | | Mandja | 34.2 | 22.7 | 45.7 | | 34.7 | 24.4 | 45 | |
| | | Mboum | 44.5 | 32.7 | 56.3 | | 40.2 | 27.6 | 52.8 | |
| | | Ngbaka/Bantou | 39.9 | 29.5 | 50.4 | | 48.9 | 37.6 | 60.2 | |
| | | Other | 39.6 | 28.5 | 50.7 | | 42.8 | 31.3 | 54.3 | |
| | | Sara | 36.1 | 18.7 | 53.6 | | 33.9 | 18.3 | 49.4 | |
| | | Yakoma/Sango | 58.2 | 45.8 | 70.6 | | 65.9 | 55.1 | 76.8 | |
| Cameroon | 2018 | Other | 18.1 | 14.6 | 21.5 | <0.001 | 16.9 | 13.9 | 19.9 | 0.6968 |
| | | Bamileke | 9 | 2.7 | 15.2 | | 14.8 | 4.4 | 25.3 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|---------|-------------------|-----------------------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Bamoun | 9.8 | 3.6 | 15.9 | | 12.2 | 4.6 | 19.8 | |
| | | Boulou | 9.4 | 2.6 | 16.2 | | 15.6 | 4.3 | 26.9 | |
| | | Eton | 9.8 | 0.2 | 19.3 | | 12.5 | 0 | 25.6 | |
| | | Ewondo | 8.4 | 3.3 | 13.5 | | 12.1 | 4.6 | 19.7 | |
| | | Foulbe | 27.9 | 19.1 | 36.6 | | 21.2 | 14.2 | 28.2 | |
| | | <hr/> | | | | | | | | |
| | Chad | Arab | 50.3 | 41.4 | 59.2 | <0.001 | 51 | 41.9 | 60.1 | <0.001 |
| | 2014 | Other | 41.6 | 31.6 | 51.7 | | 42.2 | 32.9 | 51.4 | |
| | | Sara | 26.5 | 21.7 | 31.3 | | 27.5 | 22.6 | 32.4 | |
| | | Bidio/Migami/Kenga/Dangléat | 43.3 | 21.6 | 64.9 | | 38.3 | 20.8 | 55.8 | |
| | | Boulala/Médégo/Kouka | 78.1 | 67.6 | 88.6 | | 75.6 | 66.1 | 85.2 | |
| | | Dadajo/Kibet/Mouro | 40.4 | 24.5 | 56.3 | | 39 | 22.7 | 55.3 | |
| | | Gorane | 54.6 | 42.7 | 66.5 | | 54 | 40.8 | 67.2 | |
| | | Kanembou/Bornou/Boudouma | 57.7 | 47.5 | 68 | | 54.4 | 44.8 | 64.1 | |
| | | Karo/Zimé/Pévé | 11.6 | 0.8 | 22.3 | | 11.7 | 1.3 | 22.1 | |
| | | Marba/Lélé/Mesmé | 27.3 | 13 | 41.6 | | 28.2 | 13.5 | 43 | |
| | | Massa/Mousseye/Mousgoume | 33.9 | 22.5 | 45.4 | | 34.7 | 23 | 46.4 | |
| | | Moundang | 8.3 | 3.4 | 13.2 | | 9.7 | 4.1 | 15.2 | |
| | | Ouadaï/Maba/Massalit/Mimi | 76.3 | 68.7 | 84 | | 69.4 | 63.2 | 75.7 | |
| | | Peul/Foulbé/Bodoré | 57.7 | 41.6 | 73.9 | | 54.6 | 42.2 | 67.1 | |
| | | Tama / Assongori / Mararit | 78 | 63.7 | 92.4 | | 67.4 | 55.4 | 79.3 | |
| | | Toupouri/Kéra | 31.9 | 14.4 | 49.4 | | 31.1 | 14.3 | 48 | |
| | | Zaghawa/Bideyat/Kobé | 78.6 | 65.5 | 91.7 | | 80 | 61.2 | 98.8 | |
| | | <hr/> | | | | | | | | |
| | Colombia | African descent | 3.2 | 1.3 | 5.2 | 0.472 | 3.2 | 1.2 | 5.1 | 0.498 |
| | 2010 | Indigenous | 4.4 | 1.5 | 7.3 | | 4.5 | 1.1 | 7.8 | |
| | | Reference | 2.8 | 1.9 | 3.6 | | 2.8 | 1.9 | 3.6 | |
| | | <hr/> | | | | | | | | |
| | Congo Brazzaville | Kongo | 7.7 | 5.2 | 10.2 | <0.001 | 8.5 | 5.9 | 11.1 | <0.001 |
| | 2014 | Mbetis | 26.4 | 15.9 | 37 | | 20.6 | 13.4 | 27.7 | |
| | | Mbosi | 15.6 | 8.6 | 22.5 | | 16.1 | 9.7 | 22.5 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | p value | |
|--------------------|------|-----------------|-------------------|--------|---------|-------------------|--------|---------|---------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Other | 18.5 | 13 | 24.1 | | 17.3 | 12.3 | 22.3 | |
| | | Tekes | 25.7 | 18.6 | 32.9 | | 22.5 | 17.1 | 27.9 | |
| | | Sangha-Likouala | 28.7 | 18.8 | 38.6 | | 21.2 | 13.3 | 29.1 | |
| Congo, DR | 2017 | Bantou | 34.1 | 29.9 | 38.4 | 0.134 | 34.7 | 30.5 | 38.8 | 0.144 |
| | | Nilotique | 19.9 | 7.6 | 32.1 | | 16.8 | 4.7 | 29 | |
| | | Soudanais | 36.2 | 26.9 | 45.5 | | 29.5 | 22.1 | 37 | |
| Costa Rica | 2018 | African descent | 0.9 | 0.2 | 1.6 | 0.007 | 0.8 | 0.2 | 1.5 | 0.002 |
| | | Reference | 4.5 | 0.6 | 8.4 | | 5.1 | 1 | 9.2 | |
| Côte d'Ivoire | 2016 | Akan | 9.6 | 6.5 | 12.7 | <0.001 | 10.3 | 6.9 | 13.7 | 0.002 |
| | | Gur | 25.4 | 19.5 | 31.3 | | 23.4 | 17.7 | 29.2 | |
| | | Krou | 17.2 | 7.2 | 27.2 | | 19 | 7.7 | 30.3 | |
| | | Mandé du Nord | 23.8 | 16.8 | 30.9 | | 26.4 | 18.8 | 34 | |
| | | Mandé du Sud | 21.7 | 13.1 | 30.3 | | 19.6 | 11.9 | 27.2 | |
| | | Other | 23 | 18 | 28 | | 21.5 | 16.7 | 26.4 | |
| Cuba | 2019 | African descent | 5.1 | 0.3 | 10 | 0.025 | 4.5 | 0 | 9.2 | 0.0912 |
| | | Reference | 1.4 | 0.5 | 2.3 | | 1.5 | 0.4 | 2.5 | |
| Dominican Republic | 2014 | African descent | 21.7 | 16.1 | 27.3 | <0.001 | 14.9 | 10.7 | 19.2 | <0.001 |
| | | Reference | 7.6 | 6.3 | 8.9 | | 7.9 | 6.6 | 9.3 | |
| Ethiopia | 2016 | Other | 25.5 | 17.1 | 34 | <0.001 | 26.2 | 17.5 | 35 | <0.001 |
| | | Affar | 51.5 | 31.9 | 71.2 | | 43.2 | 29.3 | 57.1 | |
| | | Amhara | 18.8 | 12.5 | 25.1 | | 20.6 | 13.9 | 27.2 | |
| | | Berta | 6.1 | 1.5 | 10.6 | | 5.7 | 1.6 | 9.9 | |
| | | Guragie | 13.3 | 0 | 28.4 | | 17.5 | 0.3 | 34.6 | |
| | | Nuwer | 55.4 | 28.9 | 81.8 | | 51.3 | 27.6 | 75.1 | |
| | | Oromo | 34.3 | 27.2 | 41.3 | | 32.5 | 25.8 | 39.2 | |
| | | Somalie | 36.7 | 27.7 | 45.7 | | 30.6 | 21.9 | 39.3 | |
| | | Tigrie | 7.7 | 2.1 | 13.4 | | 8.2 | 2.4 | 14 | |
| Gabon | | Other | 11.8 | 5.3 | 18.3 | 0.849 | 11.1 | 5.4 | 16.8 | 0.626 |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|---------------|------|-----------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | 2012 | Fang | 15.1 | 8.7 | 21.5 | | 18.2 | 10 | 26.5 | |
| | | Kota-Kele | 13.7 | 3.7 | 23.6 | | 12.1 | 4.1 | 20.2 | |
| | | Mbede-Teke | 12 | 2.3 | 21.7 | | 9.8 | 1.6 | 18.1 | |
| | | Nzabi-Duma | 8.9 | 3.2 | 14.6 | | 9.1 | 3.4 | 14.8 | |
| | | Shira-Punu/Vili | 10 | 1 | 19 | | 10 | 0.6 | 19.5 | |
| Gambia | | Fula | 5.5 | 1.6 | 9.3 | 0.07 | 5.7 | 1.6 | 9.8 | 0.069 |
| | 2018 | Jola | 2.1 | 0 | 6.3 | | 1.8 | 0 | 5.3 | |
| | | Mandinka | 1.2 | 0.1 | 2.2 | | 1.2 | 0.1 | 2.3 | |
| | | Other | 5.8 | 2.3 | 9.4 | | 5.4 | 1.9 | 8.8 | |
| | | Sarahule | 2.6 | 0.2 | 5 | | 2.5 | 0.1 | 5 | |
| | | Wolof | 2.7 | 0 | 6.1 | | 2.9 | 0 | 6.7 | |
| Ghana | | Akan | 3.9 | 1.5 | 6.3 | 0.577 | 4.4 | 1.6 | 7.1 | 0.329 |
| | 2017 | Ewe | 2.1 | 0 | 4.5 | | 2.2 | 0 | 4.6 | |
| | | Gruma | 5.7 | 0.2 | 11.2 | | 4.2 | 0 | 8.6 | |
| | | Grusi | 5 | 0 | 11.6 | | 4 | 0 | 9.2 | |
| | | Guan | 2.4 | 0 | 7.2 | | 2 | 0 | 6.2 | |
| | | Mole Dagbani | 3 | 0 | 6 | | 2.6 | 0 | 5.2 | |
| | | Other | 6.3 | 1.9 | 10.8 | | 6 | 1.8 | 10.3 | |
| | | Ga/Damgme | 7 | 1.3 | 12.8 | | 8.5 | 1.6 | 15.5 | |
| Guatemala | | Indigenous | 3.8 | 2.5 | 5.1 | 0.003 | 3.7 | 2.2 | 5.3 | 0.012 |
| | 2014 | Reference | 1.3 | 0.5 | 2.1 | | 1.3 | 0.5 | 2.2 | |
| Guinea | | Guerzé | 15.3 | 5.6 | 25 | <0.001 | 14.7 | 5.6 | 23.9 | <0.001 |
| | 2018 | Kissi | 32.9 | 23.1 | 42.7 | | 31.5 | 22.4 | 40.5 | |
| | | Malinké | 30.5 | 24.2 | 36.8 | | 31.6 | 25 | 38.3 | |
| | | Peulh | 53.8 | 48.2 | 59.4 | | 49.9 | 44.9 | 54.9 | |
| | | Soussou | 28.7 | 22.6 | 34.8 | | 32.1 | 25.9 | 38.3 | |
| Guinea Bissau | | Balanta | 8.3 | 3.9 | 12.7 | 0.166 | 8.6 | 3.8 | 13.4 | 0.22 |
| | 2018 | Beafada | 4.4 | 0 | 9.8 | | 5.7 | 0 | 12.9 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|------------|------|-----------------|-------------------|--------|---------|-------------------|--------|---------|------|-------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Fula | 8 | 3.9 | 12.2 | | 7.6 | 3.5 | 11.7 | |
| | | Mandinga | 5.6 | 2.3 | 8.8 | | 5.4 | 2.5 | 8.3 | |
| | | Manjaco | 5.1 | 0.5 | 9.8 | | 5.9 | 0.5 | 11.3 | |
| | | Other | 10.6 | 0.5 | 20.7 | | 10.7 | 0.9 | 20.5 | |
| | | Papel | 1.1 | 0 | 2.7 | | 1.2 | 0 | 2.9 | |
| Guyana | 2014 | African descent | 4.5 | 1.2 | 7.8 | 0.658 | 4.4 | 1.4 | 7.5 | 0.947 |
| | | Indigenous | 6.2 | 2.3 | 10.1 | | 4.9 | 0.8 | 9 | |
| | | Reference | 4 | 0.8 | 7.1 | | 4.2 | 1 | 7.3 | |
| Honduras | 2011 | African descent | 0.8 | 0 | 2.5 | 0.106 | 0.9 | 0 | 2.6 | 0.073 |
| | | Indigenous | 0.1 | 0 | 0.3 | | 0.1 | 0 | 0.4 | |
| | | Reference | 1 | 0.5 | 1.5 | | 1 | 0.5 | 1.5 | |
| India | 2015 | Caste | 10.2 | 9.8 | 10.7 | <0.001 | 10.4 | 9.9 | 10.8 | 0.045 |
| | | No caste/Tribe | 11 | 8.6 | 13.4 | | 11.7 | 9.1 | 14.2 | |
| | | Tribe | 14.2 | 12.6 | 15.8 | | 12 | 10.6 | 13.4 | |
| Iraq | 2018 | Arabic | 14.5 | 12.2 | 16.7 | 0.015 | 13.7 | 11.7 | 15.8 | 0.195 |
| | | Kurdish | 6.7 | 2.7 | 10.7 | | 9.1 | 3.7 | 14.5 | |
| Jordan | 2017 | Other | 19.5 | 3 | 36.1 | 0.009 | 13.5 | 4.6 | 22.3 | 0.137 |
| | | Jordanian | 6.4 | 4.5 | 8.3 | | 6.9 | 4.9 | 8.9 | |
| | | Syrian | 10.7 | 4.4 | 17.1 | | 7.9 | 2.5 | 13.4 | |
| Kazakhstan | 2015 | Kazakh | 3 | 1.8 | 4.3 | 0.001 | 3 | 1.8 | 4.2 | 0.001 |
| | | Other | 4.3 | 0.5 | 8.1 | | 5.3 | 0.4 | 10.2 | |
| | | Russian | 12.8 | 5.1 | 20.6 | | 10.8 | 4.9 | 16.7 | |
| Kenya | 2014 | Other | 1.1 | 0 | 2.4 | <0.001 | 0.9 | 0 | 2 | 0.284 |
| | | Boran | 1.8 | 0 | 4.3 | | 1.2 | 0 | 2.8 | |
| | | Kalenjin | 2.8 | 1.4 | 4.2 | | 3 | 1.4 | 4.6 | |
| | | Kamba | 0.9 | 0 | 2.1 | | 1.2 | 0 | 2.7 | |
| | | Kikuya | 2.1 | 0 | 4.5 | | 3.1 | 0 | 6.2 | |
| | | Kisii | 0.6 | 0 | 1.6 | | 1 | 0 | 2.5 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|------------|------|-------------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Luhya | 2.1 | 0 | 4.5 | | 3 | 0 | 6.3 | |
| | | Luo | 1.7 | 0.2 | 3.2 | | 2.3 | 0.1 | 4.4 | |
| | | Maasai | 6 | 1.7 | 10.4 | | 2.7 | 0.6 | 4.8 | |
| | | Meru | 0.4 | 0 | 1.1 | | 0.5 | 0 | 1.6 | |
| | | Mijikenda/Swahili | 3.6 | 0 | 7.5 | | 2.5 | 0 | 5.4 | |
| | | Pokomo | 1.3 | 0 | 3.9 | | 1.1 | 0 | 3.5 | |
| | | Samburu | 6.3 | 0 | 13.2 | | 2.4 | 0 | 5.2 | |
| | | Somali | 11 | 6.6 | 15.5 | | 4 | 1.5 | 6.6 | |
| | | Turkana | 4.8 | 0.9 | 8.6 | | 1.7 | 0 | 3.3 | |
| Kyrgyzstan | | Kyrgyz | 8 | 4.8 | 11.2 | 0.179 | 7.9 | 4.7 | 11 | 0.132 |
| 2018 | | Uzbek | 13.5 | 4.8 | 22.1 | | 15.1 | 4.7 | 25.6 | |
| Laos | | Chinese-Tibetan | 36.3 | 23.7 | 48.9 | <0.001 | 28.2 | 18.4 | 37.9 | <0.001 |
| 2017 | | Hmong-Mien | 42.9 | 36.5 | 49.3 | | 36.5 | 31.1 | 41.9 | |
| | | Lao-Tai | 19 | 16.1 | 21.9 | | 22.5 | 19.1 | 26 | |
| | | Mon-Khmer | 34.4 | 28.9 | 40 | | 28.3 | 23.9 | 32.7 | |
| Malawi | | Other | 4.9 | 0.4 | 9.4 | 0.136 | 5.2 | 0.3 | 10.1 | 0.077 |
| 2015 | | Chewa | 1.6 | 0.2 | 2.9 | | 1.5 | 0.3 | 2.8 | |
| | | Lomwe | 3.9 | 1.6 | 6.2 | | 4.1 | 1.7 | 6.6 | |
| | | Mang'Anja | 2.4 | 0 | 5.7 | | 2.3 | 0 | 5.5 | |
| | | Ngoni | 2.3 | 0.1 | 4.6 | | 2.4 | 0.1 | 4.8 | |
| | | Sena | 7.1 | 1.9 | 12.3 | | 6.3 | 1.8 | 10.7 | |
| | | Tonga | 0.9 | 0 | 2.8 | | 1.1 | 0 | 3.2 | |
| | | Tumbuka | 3.2 | 0.8 | 5.6 | | 3.9 | 0.9 | 7 | |
| | | Yao | 1.9 | 0.7 | 3.1 | | 1.7 | 0.6 | 2.8 | |
| Mali | | Other | 11.8 | 5.8 | 17.9 | <0.001 | 12 | 5.8 | 18.2 | <0.001 |
| 2018 | | Bambara | 15.3 | 10.5 | 20.1 | | 15.9 | 11.1 | 20.7 | |
| | | Dogon | 20.9 | 8.7 | 33 | | 17.4 | 7.2 | 27.6 | |
| | | Malinke | 27.2 | 16.2 | 38.2 | | 29.2 | 18 | 40.4 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|------------|------|------------------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Peulh | 22 | 14.9 | 29.2 | | 21.9 | 15.3 | 28.5 | |
| | | Sarakole/Soninke/Marka | 8.2 | 3.5 | 12.9 | | 8.4 | 3.5 | 13.4 | |
| | | Sonraï | 29.8 | 20.3 | 39.2 | | 31.5 | 21.6 | 41.4 | |
| | | Sénoufo/Minianka | 10.4 | 4.3 | 16.5 | | 10.3 | 4.3 | 16.3 | |
| | | Touareg/Bella | 51.7 | 32.1 | 71.3 | | 41.9 | 29 | 54.8 | |
| Mauritania | 2015 | Arabe | 14.7 | 12.1 | 17.4 | 0.06 | 14.5 | 12.1 | 16.9 | 0.013 |
| | | Poular | 10.8 | 6.9 | 14.7 | | 11 | 7.1 | 14.9 | |
| | | Soninké | 24.8 | 8.6 | 41 | | 34 | 9.5 | 58.4 | |
| Mexico | 2015 | Indigenous | 10.5 | 3.9 | 17.1 | 0.365 | 9.6 | 3.5 | 15.8 | 0.535 |
| | | Reference | 7.5 | 4.8 | 10.2 | | 7.6 | 4.9 | 10.3 | |
| Mongolia | 2018 | Kazakh | 12 | 3.7 | 20.2 | 0.001 | 11.7 | 3.2 | 20.2 | <0.001 |
| | | Khalkh | 2.6 | 1.2 | 4 | | 2.6 | 1.2 | 4 | |
| | | Other | 1.8 | 0 | 4.4 | | 1.9 | 0 | 4.5 | |
| Montenegro | 2013 | Montenegrin | 3.5 | 0.3 | 6.7 | 0.338 | 3.7 | 0.2 | 7.3 | 0.448 |
| | | Other | 10.5 | 0 | 22.3 | | 9.4 | 0.1 | 18.7 | |
| | | Serbian | 6.5 | 0 | 15.3 | | 6.8 | 0 | 14.9 | |
| Mozambique | 2015 | Other | 11.2 | 6.1 | 16.2 | 0.001 | 10.9 | 6 | 15.9 | 0.168 |
| | | Cindau | 10.8 | 1.6 | 20 | | 11.1 | 1.9 | 20.2 | |
| | | Cinyanja | 26.8 | 9 | 44.5 | | 20.7 | 6.1 | 35.2 | |
| | | Cisena | 11.8 | 4.4 | 19.2 | | 12.5 | 5.3 | 19.8 | |
| | | Emakhuwa | 10.7 | 0.8 | 20.5 | | 9.1 | 0.9 | 17.3 | |
| | | Português | 1.1 | 0 | 3.4 | | 1.9 | 0 | 5.8 | |
| | | Xichangana | 1.4 | 0 | 3 | | 2.4 | 0 | 5.5 | |
| | | Xitswa | 3.8 | 0 | 10.7 | | 4.6 | 0 | 12.6 | |
| Myanmar | 2015 | Other | 26 | 15.4 | 36.7 | <0.001 | 18.1 | 11.2 | 25 | 0.074 |
| | | Myanmar | 10.7 | 7.7 | 13.7 | | 11.7 | 8.3 | 15 | |
| Namibia | 2013 | Other | 8.2 | 0 | 17.2 | 0.416 | 8 | 0 | 16.6 | 0.506 |
| | | Afrikaans | 6.4 | 0 | 14.6 | | 4.1 | 0 | 9.4 | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|-----------------|------|----------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Damara>Nama | 6.2 | 0.6 | 11.9 | | 4.9 | 0.6 | 9.3 | |
| | | Herero | 18.9 | 3 | 34.7 | | 15 | 2.3 | 27.7 | |
| | | Kwangali | 8.3 | 2 | 14.7 | | 10.2 | 2.2 | 18.1 | |
| | | Lozi | 6.5 | 0 | 13.4 | | 7.7 | 0.2 | 15.3 | |
| | | Oshiwambo | 5.6 | 2.9 | 8.3 | | 6.3 | 3.3 | 9.2 | |
| Nepal | 2019 | Brahman - Hill | 9.3 | 3.7 | 14.8 | 0.049 | 14.2 | 6.4 | 22 | 0.102 |
| | | Chhetree | 11.4 | 6.8 | 16 | | 11.5 | 6.9 | 16.1 | |
| | | Kami | 6.9 | 1.3 | 12.5 | | 6.6 | 1.3 | 11.9 | |
| | | Magar | 5.1 | 1.2 | 9.1 | | 6.9 | 1.3 | 12.5 | |
| | | Musalman | 21.2 | 8.6 | 33.7 | | 17.5 | 6.5 | 28.4 | |
| | | Other | 12 | 8.2 | 15.9 | | 10.9 | 7.6 | 14.2 | |
| | | Tamang | 4.3 | 0 | 9.2 | | 4.2 | 0 | 8.9 | |
| | | Tharu | 5 | 0 | 10.8 | | 5.1 | 0 | 10.5 | |
| Niger | 2012 | Haoussa | 15.1 | 12 | 18.3 | <0.001 | 14.8 | 11.8 | 17.9 | <0.001 |
| | | Kanouri/Toubou | 39.5 | 29.3 | 49.7 | | 35.6 | 27.1 | 44.2 | |
| | | Other | 25.5 | 15.2 | 35.8 | | 24.8 | 15.2 | 34.5 | |
| | | Zarma | 5 | 2.6 | 7.5 | | 5.5 | 2.8 | 8.2 | |
| Nigeria | 2018 | Other | 24.3 | 21.1 | 27.5 | <0.001 | 25.9 | 22.7 | 29 | <0.001 |
| | | Fulani | 63.5 | 58 | 69 | | 43.4 | 39.5 | 47.4 | |
| | | Hausa | 55.1 | 51.6 | 58.7 | | 41.7 | 38.8 | 44.5 | |
| | | Ibibio | 15.5 | 8.1 | 22.9 | | 25.7 | 13.7 | 37.8 | |
| | | Igala | 33.9 | 18.3 | 49.5 | | 45.4 | 26.6 | 64.2 | |
| | | Igbo | 6.3 | 4.3 | 8.4 | | 12 | 8.1 | 15.9 | |
| | | Ijaw/Izon | 20.7 | 12.3 | 29.2 | | 36.1 | 23.4 | 48.7 | |
| | | Kanuri/Berberi | 51.9 | 42.4 | 61.5 | | 40.3 | 31.6 | 49 | |
| | | Tiv | 27.8 | 17.9 | 37.8 | | 30 | 21 | 38.9 | |
| | | Yoruba | 12.7 | 8.9 | 16.6 | | 23.9 | 16.9 | 30.9 | |
| North Macedonia | | Albanian | 2.9 | 0 | 8.6 | 0.567 | 3.5 | 0 | 10.3 | 0.437 |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|------------------|------|-----------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | 2018 | Macedonian | 1.6 | 0 | 3.2 | | 1.5 | 0 | 3 | |
| Pakistan | | Other | 17.2 | 11 | 23.5 | <0.001 | 15.9 | 9.6 | 22.1 | <0.001 |
| | 2017 | Baluchi | 27.9 | 16.6 | 39.3 | | 20.2 | 12.9 | 27.5 | |
| | | Punjabi | 2.9 | 0.9 | 5 | | 4.3 | 1.3 | 7.3 | |
| | | Pushto | 28.3 | 21.3 | 35.3 | | 23.9 | 18.5 | 29.3 | |
| | | Sariaki | 15.3 | 7.2 | 23.3 | | 11.3 | 5.8 | 16.8 | |
| | | Sindhi | 26.7 | 14.9 | 38.5 | | 18.1 | 10.2 | 26 | |
| | | Urdu | 0.9 | 0 | 2.2 | | 1.8 | 0 | 4.6 | |
| Panama | | African descent | 4.9 | 1 | 8.8 | 0.02 | 3.9 | 0.8 | 7 | 0.004 |
| | 2013 | Indigenous | 13.9 | 8.4 | 19.3 | | 17.2 | 7.9 | 26.5 | |
| | | Reference | 6.4 | 2.7 | 10 | | 6.3 | 2.8 | 9.8 | |
| Papua New Guinea | | English | 14.7 | 0.7 | 28.7 | 0.148 | 27.1 | 0 | 57.4 | 0.021 |
| | 2016 | Pidgin | 38.3 | 31.9 | 44.6 | | 42.2 | 36.6 | 47.8 | |
| | | Tok Ples | 36.1 | 31.2 | 41.1 | | 33.3 | 29.3 | 37.4 | |
| Paraguay | | Indigenous | 6.8 | 4.1 | 9.4 | 0.085 | 6.6 | 3.7 | 9.4 | 0.161 |
| | 2016 | Reference | 4.1 | 2.4 | 5.7 | | 4.2 | 2.5 | 5.9 | |
| Peru | | Indigenous | 6.7 | 3.5 | 9.8 | 0.156 | 5 | 2.4 | 7.7 | 0.818 |
| | 2019 | Reference | 4.6 | 3.7 | 5.5 | | 4.7 | 3.6 | 5.8 | |
| Philippines | | Other | 18.9 | 14.6 | 23.2 | <0.001 | 15.5 | 12 | 19.1 | <0.001 |
| | 2017 | Bikolano | 13.9 | 4.8 | 22.9 | | 14.3 | 4.9 | 23.7 | |
| | | Cebuano | 13.4 | 8.5 | 18.4 | | 13.5 | 8.8 | 18.2 | |
| | | Ilokano | 9.5 | 4.2 | 14.7 | | 10.2 | 4.3 | 16.1 | |
| | | Ilonggo | 15.1 | 7.7 | 22.6 | | 16.7 | 8.3 | 25 | |
| | | Maranao | 63.9 | 49.1 | 78.6 | | 40.5 | 30 | 51 | |
| | | Tagalog | 7.9 | 4.1 | 11.6 | | 9.5 | 5.1 | 13.9 | |
| | | Visaya | 8.7 | 1.8 | 15.7 | | 8.3 | 1.6 | 15 | |
| | | Waray | 3.9 | 0.5 | 7.3 | | 3.6 | 0.4 | 6.7 | |
| Senegal | | Other | 5.7 | 0 | 13.2 | 0.272 | 8.3 | 0 | 17.6 | 0.3482 |

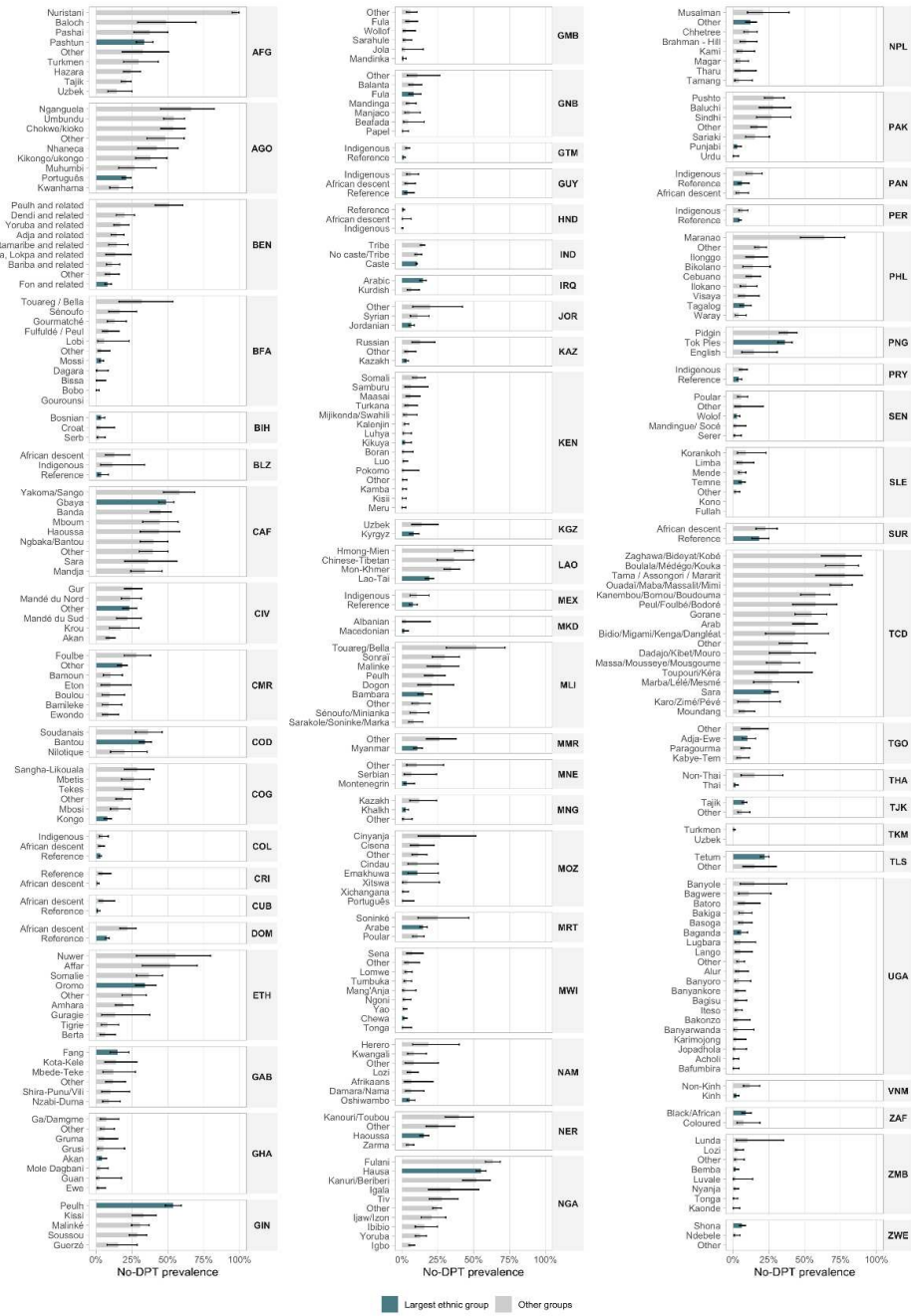
| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|--------------|------------|-----------------|-------------------|--------|---------|-------------------|--------|---------|------|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | 2019 | Poular | 5.7 | 2.3 | 9.2 | | 4.4 | 2 | 6.7 | |
| | | Wolof | 2.7 | 1.1 | 4.2 | | 3 | 1.4 | 4.6 | |
| | | Mandingue/ Socé | 2.5 | 0 | 5.6 | | 3.2 | 0 | 7 | |
| | | Serer | 2.1 | 0 | 4.2 | | 2 | 0.1 | 3.9 | |
| Sierra Leone | | Other | 2.4 | 0.7 | 4.1 | <0.001 | 2.4 | 0.7 | 4.1 | <0.001 |
| 2019 | Fullah | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| | Kono | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| | Korankoh | 8.9 | 0.3 | 17.5 | | 8.5 | 0.3 | 16.7 | | |
| | Limba | 6.5 | 1 | 11.9 | | 6.7 | 1.3 | 12.2 | | |
| | Mende | 6 | 3.6 | 8.5 | | 5.9 | 3.5 | 8.2 | | |
| | Temne | 6 | 3.8 | 8.2 | | 6.1 | 3.9 | 8.4 | | |
| South Africa | | Black/African | 9 | 5.9 | 12.2 | 0.722 | 9 | 5.8 | 12.2 | 0.826 |
| 2016 | Coloured | 7.5 | 0.5 | 14.6 | | 7.9 | 0.2 | 15.7 | | |
| Suriname | | African descent | 22.6 | 15.3 | 29.9 | 0.35 | 20.9 | 12.6 | 29.3 | 0.699 |
| 2018 | Reference | 18.3 | 12.4 | 24.2 | | 18.9 | 13 | 24.8 | | |
| Tajikistan | | Other | 6.3 | 2.2 | 10.5 | 0.524 | 6.8 | 2.4 | 11.2 | 0.7 |
| 2017 | Tajik | 7.9 | 6.2 | 9.5 | | 7.7 | 6.1 | 9.4 | | |
| Thailand | | Non-Thai | 15.2 | 1.6 | 28.8 | <0.001 | 17.9 | 5.8 | 30 | <0.001 |
| 2019 | Thai | 2 | 0.8 | 3.2 | | 2 | 0.8 | 3.1 | | |
| Timor Leste | | Other | 15.2 | 4.4 | 25.9 | 0.307 | 12.4 | 4.3 | 20.5 | 0.081 |
| 2016 | Tetum | 22 | 19 | 25 | | 22.3 | 19.6 | 25.1 | | |
| Togo | | Adja-Ewe | 10.3 | 5.8 | 14.8 | 0.408 | 12.7 | 7.8 | 17.7 | 0.014 |
| 2017 | Paragourma | 8.2 | 5.1 | 11.4 | | 5.5 | 3.3 | 7.8 | | |
| | Kabye-Tem | 5.5 | 1.5 | 9.6 | | 6.5 | 1.9 | 11.1 | | |
| | Other | 12.4 | 3.7 | 21.2 | | 13.3 | 5.1 | 21.6 | | |
| Turkmenistan | | Turkmen | 0.8 | 0.1 | 1.4 | <0.001 | 0.7 | 0.1 | 1.3 | <0.001 |
| 2015 | Uzbek | 0 | 0 | 0 | | 0 | 0 | 0 | | |
| Uganda | | Other | 4.6 | 2.1 | 7.1 | 0.072 | 4.2 | 1.8 | 6.6 | 0.027 |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | |
|---------|-------------|--------------|-------------------|--------|---------|-------------------|--------|---------|-------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | |
| 2016 | Acholi | 0.9 | 0 | 2.3 | | 0.9 | 0 | 2.2 | |
| | Alur | 4.5 | 0.6 | 8.3 | | 3.9 | 0.5 | 7.2 | |
| | Bafumbira | 0.5 | 0 | 1.6 | | 0.5 | 0 | 1.4 | |
| | Baganda | 6 | 2.7 | 9.2 | | 6.5 | 2.8 | 10.2 | |
| | Bagisu | 3.8 | 0.3 | 7.3 | | 4.1 | 0.4 | 7.7 | |
| | Bagwere | 11 | 1.5 | 20.5 | | 11.5 | 1.8 | 21.2 | |
| | Bakiga | 7.6 | 3.3 | 11.8 | | 7.5 | 3.1 | 11.9 | |
| | Bakonzo | 3.2 | 0 | 7.3 | | 3.3 | 0 | 7.6 | |
| | Banyankore | 4.1 | 1.1 | 7.1 | | 4.1 | 1.1 | 7.1 | |
| | Banyarwanda | 3.2 | 0 | 8 | | 2.8 | 0 | 7 | |
| | Banyole | 15.2 | 0.5 | 29.9 | | 15.2 | 0.9 | 29.5 | |
| | Banyoro | 4.4 | 0 | 8.9 | | 4.8 | 0 | 9.8 | |
| | Basoga | 7.4 | 3.2 | 11.7 | | 7.9 | 3.3 | 12.6 | |
| | Batoro | 8.6 | 2 | 15.2 | | 8.9 | 2 | 15.8 | |
| | Iteso | 3.4 | 1.2 | 5.6 | | 3.6 | 1.3 | 5.9 | |
| | Jopadhola | 1.9 | 0 | 4.7 | | 1.9 | 0 | 4.8 | |
| | Karimojong | 2.3 | 0 | 5.2 | | 1.5 | 0 | 3.3 | |
| | Lango | 5 | 0 | 10 | | 5 | 0.1 | 10 | |
| Lugbara | 5 | 0 | 10.7 | | 4.8 | 0 | 10.1 | | |
| Vietnam | Kinh | 2.4 | 1 | 3.7 | <0.001 | 3.4 | 1.5 | 5.3 | 0.589 |
| 2013 | Non-Kinh | 11.9 | 6.1 | 17.7 | | 4.3 | 1.9 | 6.6 | |
| Zambia | Other | 3.1 | 0.3 | 6 | 0.099 | 3 | 0.6 | 5.4 | 0.146 |
| 2018 | Bemba | 1.9 | 0.5 | 3.4 | | 1.9 | 0.6 | 3.2 | |
| | Kaonde | 0.6 | 0 | 1.8 | | 0.7 | 0 | 2.1 | |
| | Lozi | 3.7 | 1.1 | 6.2 | | 3.5 | 1.1 | 5.9 | |
| | Lunda | 10.3 | 0 | 22.7 | | 11.8 | 0 | 27.2 | |
| | Luvale | 1.9 | 0 | 5.6 | | 2.6 | 0 | 7.6 | |
| Nyanja | 1.8 | 0.4 | 3.2 | | 1.7 | 0.4 | 3 | | |

| Country | Year | Ethnic group | Crude | | | Adjusted | | | | |
|----------|------|--------------|-------------------|--------|---------|-------------------|--------|---------|-----|--------|
| | | | No-DPT prevalence | 95% CI | p value | No-DPT prevalence | 95% CI | p value | | |
| | | Tonga | 0.9 | 0 | 2.1 | 1 | 0 | 2.3 | | |
| Zimbabwe | | Other | 0 | 0 | 0 | <0.001 | 0 | 0 | 0 | <0.001 |
| | 2019 | Ndebele | 1.8 | 0.1 | 3.6 | | 1.7 | 0 | 3.4 | |
| | | Shona | 6.3 | 4.2 | 8.4 | | 6.5 | 4.3 | 8.6 | |

33 Legend: no-DPT: children who did not received any doses of the diphtheria-tetanus-pertussis-containing vaccine. CI: confidence interval.

34 * Adjustment variables: household wealth quintiles, maternal education, and area of residence.

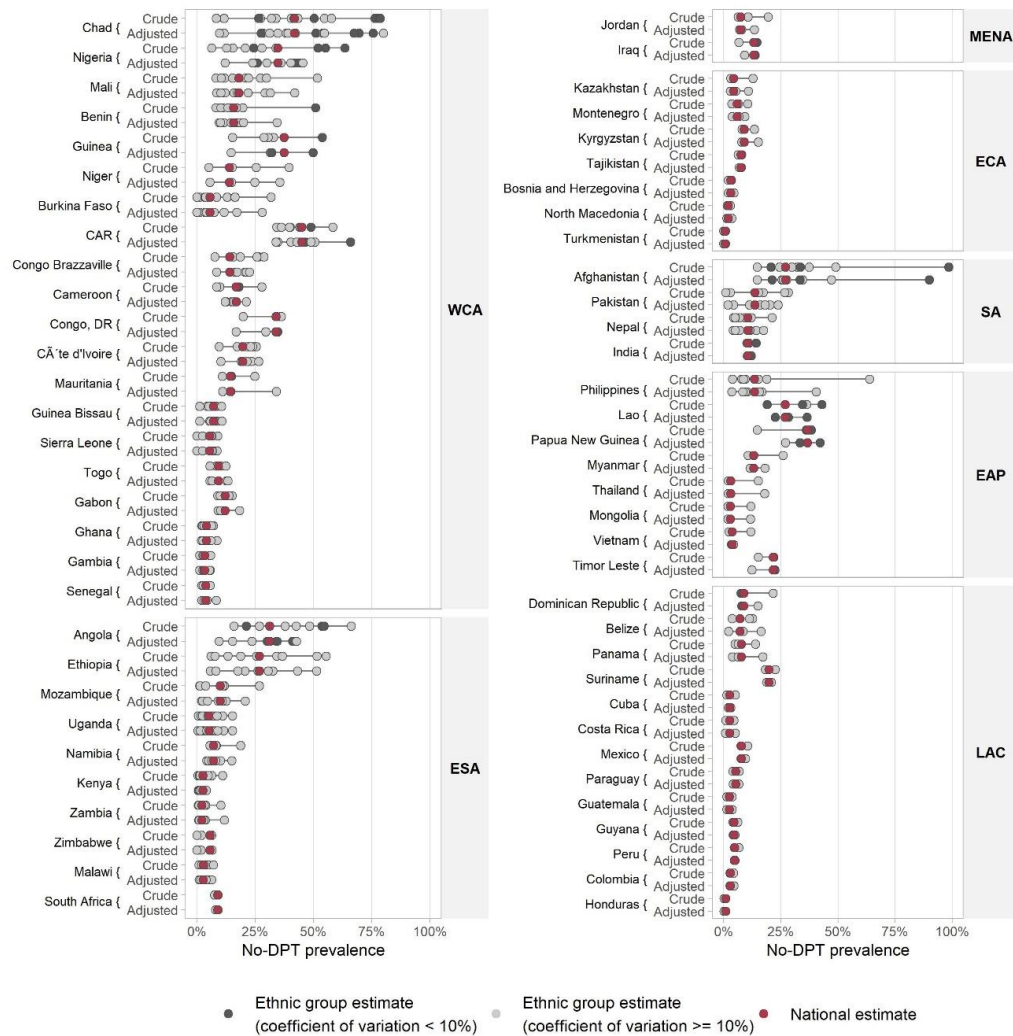


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37 **Supplementary Figure 1. No-DPT prevalence according to ethnic group.**

38 Legend: AFG: Afghanistan, AGO: Angola, BLZ: Belize, BEN: Benin, BIH: Bosnia and Herzegovina, BFA:
39 Burkina Faso, CAF: Central African Republic, CMR: Cameroon, TCD: Chad, COL: Colombia, COG: Congo
40 Brazzaville, COD: Democratic Republic of Congo, CRI: Costa Rica, CIV: Côtê d'Ivoire, CUB: Cuba, DOM:
41 Dominican Republic, ETH: Ethiopia, GAB: Gabon, GMB: Gambia, GHA: Ghana, GTM: Guatemala, GIN:
42 Guinea, GNB: Guinea Bissau, GUY: Guyana, HND: Honduras, IND: India, IRQ: Iraq, JOR: Jordan, KAZ:
43 Kazakhstan, KEN: Kenya, KGZ: Kyrgyzstan, LAO: Laos, MWI: Malawi, MLI: Mali, MRT: Mauritania,

44 MEX: Mexico, MNG: Mongolia, MNE: Montenegro, MOZ: Mozambique, MMR: Myanmar, NAM: Namibia,
 45 NPL: Nepal, NER: Niger, NGA: Nigeria, MKD: North Macedonia, PAK: Pakistan, PAN: Panama, PNG:
 46 Papua New Guinea, PRY: Paraguay, PER: Peru, PHL: Philippines, SEN: Senegal, SLE: Sierra Leone, ZAF:
 47 South Africa, SUR: Suriname, TJK: Tajikistan, THA: Thailand, TLS: Timor-Leste, TGO: Togo, TKM:
 48 Turkmenistan, UGA: Uganda, VNM: Vietnam, ZMB: Zambia, ZWE: Zimbabwe.
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 56 **Supplementary Figure 2. No-DPT prevalence by ethnic group in 64 countries.** Black circles represent
 57 groups for which the coefficient of variation for prevalence was less than 10%. Legend: WCA: West and
 58 Central Africa. ESA: Eastern and South Africa. MENA: Middle East and North Africa. ECA: Europe and
 59 Central Asia. SA: South Asia. EAP: East Asia and The Pacific. LAC: Latin America and Caribbean. No-DPT:
 60 children who did not received any doses of the diphtheria-tetanus-pertussis-containing vaccine.

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64**Supplementary Table 4 – No-DPT prevalence in ethnic groups present in more than one country (limited to groups with prevalence >10% in at least one country).**

| Country | Year | Ethnic group | No-DPT | National no-DPT | Difference % ethnic - %national (pp) |
|--------------------------|------|--|--------|-----------------|--------------------------------------|
| Afghanistan | 2015 | | 49.0% | 27.0% | 22.0 |
| Pakistan | 2017 | Baloch/Baluchi | 27.9% | 13.7% | 14.2 |
| Burkina Faso | 2010 | | 16.3% | 5.6% | 10.7 |
| Mali | 2018 | Sénoufo/Minianka | 10.4% | 17.9% | -7.5 |
| Burkina Faso | 2010 | | 31.8% | 5.6% | 26.2 |
| Mali | 2018 | Touareg / Bella | 51.7% | 17.9% | 33.8 |
| Central African Republic | 2018 | | 44.1% | 45.0% | -0.9 |
| Niger | 2012 | Haoussa/Hausa | 15.1% | 13.8% | 1.3 |
| Nigeria | 2018 | | 55.1% | 34.7% | 20.4 |
| Chad | 2014 | | 50.3% | 41.7% | 8.6 |
| Iraq | 2018 | Arab/Arabic/Arabe | 14.5% | 13.3% | 1.2 |
| Mauritania | 2015 | | 14.7% | 14.2% | 0.5 |
| Ethiopia | 2016 | | 36.7% | 26.8% | 9.9 |
| Kenya | 2014 | Somalie/somali | 11.0% | 2.5% | 8.5 |
| Benin | 2017 | | 50.9% | 15.8% | 35.1 |
| Burkina Faso | 2010 | | 8.4% | 5.6% | 2.8 |
| Cameroon | 2018 | | 27.9% | 16.7% | 11.2 |
| Chad | 2014 | Fula/Fulani/Fullah/Peulh/Fulfuldé / Peul/ Foulbe | 57.7% | 41.7% | 16.0 |
| Gambia | 2018 | | 5.5% | 3.2% | 2.3 |
| Guinea | 2018 | | 53.8% | 37.7% | 16.1 |
| Guinea Bissau | 2018 | | 8.0% | 7.0% | 1.0 |

| Country | Year | Ethnic group | No-DPT | National no-DPT | Difference % ethnic - %national (pp) |
|---------------|------|---------------------------------|--------|-----------------|--------------------------------------|
| Mali | 2018 | | 22.0% | 17.9% | 4.1 |
| Nigeria | 2018 | | 63.5% | 34.7% | 28.8 |
| Sierra Leone | 2019 | | 0.0% | 5.4% | -5.4 |
| Gambia | 2018 | | 1.2% | 3.2% | -2.0 |
| Guinea | 2018 | Mandinka/Mandinga/Malinke | 30.5% | 37.7% | -7.2 |
| Guinea Bissau | 2018 | | 5.6% | 7.0% | -1.4 |
| Mali | 2018 | | 27.2% | 17.9% | 9.3 |
| Benin | 2017 | Adja/Ewe | 14.3% | 15.8% | -1.5 |
| Togo | 2017 | | 10.3% | 9.2% | 1.1 |
| Benin | 2017 | Yoruba | 16.9% | 15.8% | 1.1 |
| Nigeria | 2018 | | 12.7% | 34.7% | -22.0 |
| Gambia | 2018 | | 2.6% | 3.2% | -0.6 |
| Mauritania | 2015 | Sarahule/Sarakole/Soninke/Marka | 24.8% | 14.2% | 10.6 |
| Mali | 2018 | | 8.2% | 17.9% | -9.7 |
| Niger | 2012 | Kanouri/Toubou/Kanuri/Berberi | 39.5% | 13.8% | 25.7 |
| Nigeria | 2018 | | 51.9% | 34.7% | 17.2 |

Legend: No-DPT: children who did not received any doses of the diphtheria-tetanus-pertussis-containing vaccine. pp: percentage points.

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68 **Supplementary Table 5 – Proportion of children in each ethnic group by country.**

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|-------------|------|------------------------|------|--------|----------------------------------|-----|
| Afghanistan | 2015 | Other | 1.8 | 1.2 | 2.8 | |
| Afghanistan | 2015 | Turkmen | 3.1 | 1.8 | 5 | |
| Afghanistan | 2015 | Uzbek | 11.9 | 7.5 | 18.3 | |
| Afghanistan | 2015 | Baloch | 0.6 | 0.3 | 1 | |
| Afghanistan | 2015 | Hazara | 9.9 | 6.6 | 14.5 | |
| Afghanistan | 2015 | Nuristani | 0.9 | 0.7 | 1.1 | |
| Afghanistan | 2015 | Pashai | 1 | 0.6 | 1.6 | |
| Afghanistan | 2015 | Pashtun | 40.3 | 36 | 44.8 | |
| Afghanistan | 2015 | Tajik | 30.6 | 27.1 | 34.4 | |
| Angola | 2015 | Other | 3.5 | 2.5 | 4.7 | |
| Angola | 2015 | Chokwe/kioko | 5.1 | 4.1 | 6.2 | |
| Angola | 2015 | Kikongo/ukongo | 4.8 | 3.8 | 6 | |
| Angola | 2015 | Kwanhama | 2 | 1.5 | 2.7 | |
| Angola | 2015 | Muhumbi | 1.6 | 0.7 | 3.3 | |
| Angola | 2015 | Nganguela | 1.7 | 1.1 | 2.7 | |
| Angola | 2015 | Nhaneca | 2 | 1 | 3.8 | |
| Angola | 2015 | Português | 62.7 | 59.6 | 65.8 | yes |
| Angola | 2015 | Umbundu | 16.6 | 14.1 | 19.5 | |
| Belize | 2015 | African descent | 27 | 22.4 | 32.3 | |
| Belize | 2015 | Indigenous | 12.7 | 8.9 | 17.8 | |
| Belize | 2015 | Reference | 60.3 | 54.4 | 65.9 | yes |
| Benin | 2017 | Other | 5.6 | 4 | 7.7 | |
| Benin | 2017 | Adja and related | 12.4 | 11 | 14.1 | |
| Benin | 2017 | Bariba and related | 12.3 | 9.6 | 15.6 | |
| Benin | 2017 | Betamaribe and related | 6.6 | 5 | 8.6 | |
| Benin | 2017 | Dendi and related | 5.4 | 3.7 | 7.9 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|--------------------------|------|------------------------|------|--------|----------------------------------|-----|
| Benin | 2017 | Fon and related | 34.7 | 31.9 | 37.5 | |
| Benin | 2017 | Peulh and related | 10.2 | 8 | 13 | |
| Benin | 2017 | Yoa, Lokpa and related | 3.1 | 2.2 | 4.3 | |
| Benin | 2017 | Yoruba | 9.7 | 8.1 | 11.6 | |
| Bosnia and Herzegovina | 2011 | Bosnian | 66.2 | 60 | 71.8 | yes |
| Bosnia and Herzegovina | 2011 | Croat | 9 | 5.5 | 14.4 | |
| Bosnia and Herzegovina | 2011 | Serb | 24.9 | 20.9 | 29.3 | |
| Burkina Faso | 2010 | Bissa | 3.8 | 2.7 | 5.4 | |
| Burkina Faso | 2010 | Bobo | 5.2 | 3.3 | 8 | |
| Burkina Faso | 2010 | Dagara | 2.1 | 1.4 | 3.1 | |
| Burkina Faso | 2010 | Fulfuldé / Peul | 9 | 7.2 | 11.3 | |
| Burkina Faso | 2010 | Gourmatché | 8.9 | 7.2 | 10.9 | |
| Burkina Faso | 2010 | Gourounsi | 4.5 | 3.2 | 6.4 | |
| Burkina Faso | 2010 | Lobi | 2.4 | 1.6 | 3.7 | |
| Burkina Faso | 2010 | Mossi | 49.9 | 46.4 | 53.4 | |
| Burkina Faso | 2010 | Other | 7.1 | 5.6 | 9 | |
| Burkina Faso | 2010 | Sénoufo | 4.7 | 3.1 | 7.1 | |
| Burkina Faso | 2010 | Touareg / Bella | 2.4 | 1.5 | 3.7 | |
| Central African Republic | 2018 | Banda | 19.5 | 16.5 | 22.9 | |
| Central African Republic | 2018 | Gbaya | 32.9 | 28.7 | 37.4 | |
| Central African Republic | 2018 | Haoussa | 3.2 | 2.1 | 4.9 | |
| Central African Republic | 2018 | Mandja | 8.2 | 6 | 11.1 | |
| Central African Republic | 2018 | Mboum | 8.5 | 5.1 | 13.8 | |
| Central African Republic | 2018 | Ngbaka/Bantou | 6.8 | 4.9 | 9.3 | |
| Central African Republic | 2018 | Other | 8 | 6.1 | 10.6 | |
| Central African Republic | 2018 | Sara | 5.6 | 3.4 | 9 | |
| Central African Republic | 2018 | Yakoma/Sango | 7.3 | 5.4 | 9.7 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) |
|----------|------|-----------------------------|------|--------|----------------------------------|
| Cameroon | 2018 | Other | 68 | 64 | 71.8 |
| Cameroon | 2018 | Bamileke | 7.7 | 6.2 | 9.5 |
| Cameroon | 2018 | Bamoun | 6.8 | 4.1 | 11.2 |
| Cameroon | 2018 | Boulou | 2.5 | 1.8 | 3.6 |
| Cameroon | 2018 | Eton | 3 | 1.9 | 4.8 |
| Cameroon | 2018 | Ewondo | 4 | 2.7 | 5.9 |
| Cameroon | 2018 | Foulbe | 7.9 | 5.9 | 10.4 |
| Chad | 2014 | Arab | 10.6 | 8.6 | 13.1 |
| Chad | 2014 | Other | 8.7 | 6.6 | 11.4 |
| Chad | 2014 | Sara | 31.8 | 28 | 35.8 |
| Chad | 2014 | Bidio/Migami/Kenga/Dangléat | 2.2 | 1.4 | 3.5 |
| Chad | 2014 | Boulala/Médégo/Kouka | 3.4 | 2.4 | 4.9 |
| Chad | 2014 | Dadajo/Kibet/Mouro | 2.5 | 1.6 | 4.1 |
| Chad | 2014 | Gorane | 4.8 | 3.8 | 6.1 |
| Chad | 2014 | Kanembou/Bornou/Boudouma | 7.7 | 6.4 | 9.3 |
| Chad | 2014 | Karo/Zimé/Pévé | 1.6 | 0.8 | 3 |
| Chad | 2014 | Marba/Lélé/Mesmé | 4.5 | 2.5 | 8 |
| Chad | 2014 | Massa/Mousseye/Mousgoume | 5.5 | 3.5 | 8.6 |
| Chad | 2014 | Moundang | 2.8 | 1.8 | 4.5 |
| Chad | 2014 | Ouadaï/Maba/Massalit/Mimi | 7.2 | 5.7 | 9 |
| Chad | 2014 | Peul/Foulbé/Bodoré | 2 | 1.3 | 3.1 |
| Chad | 2014 | Tama / Assongori / Mararit | 1.1 | 0.7 | 1.8 |
| Chad | 2014 | Toupouri/Kéra | 2.4 | 1.3 | 4.5 |
| Chad | 2014 | Zaghawa/Bideyat/Kobé | 1 | 0.6 | 1.6 |
| Colombia | 2010 | African descent | 12.4 | 11 | 14 |
| Colombia | 2010 | Indigenous | 6 | 5.1 | 7 |
| Colombia | 2010 | Reference | 81.6 | 79.9 | 83.2 yes |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|---------------------------|------|-----------------|------|--------|----------------------------------|-----|
| Congo Brazzaville | 2014 | Kongo | 52.9 | 47.9 | 57.9 | yes |
| Congo Brazzaville | 2014 | Mbetis | 2.1 | 1.5 | 2.9 | |
| Congo Brazzaville | 2014 | Mbosi | 12.4 | 9.6 | 15.9 | |
| Congo Brazzaville | 2014 | Other | 15.1 | 12.4 | 18.2 | |
| Congo Brazzaville | 2014 | Tekes | 11.9 | 9.7 | 14.4 | |
| Congo Brazzaville | 2014 | Sangha-Likouala | 5.6 | 4.5 | 7 | |
| Congo Democratic Republic | 2017 | Bantou | 93.2 | 90.5 | 95.2 | yes |
| Congo Democratic Republic | 2017 | Nilotique | 2.1 | 1.3 | 3.6 | |
| Congo Democratic Republic | 2017 | Soudanais | 4.6 | 3.3 | 6.5 | |
| Costa Rica | 2018 | African descent | 53.6 | 45.5 | 61.4 | yes |
| Costa Rica | 2018 | Reference | 46.4 | 38.6 | 54.5 | |
| Cote d'Ivoire | 2016 | Akan | 24.8 | 21.4 | 28.5 | |
| Cote d'Ivoire | 2016 | Gur | 17.2 | 14.8 | 20 | |
| Cote d'Ivoire | 2016 | Krou | 8.7 | 6.5 | 11.5 | |
| Cote d'Ivoire | 2016 | Mandé du Nord | 15.7 | 13.1 | 18.6 | |
| Cote d'Ivoire | 2016 | Mandé du Sud | 7.8 | 5.8 | 10.4 | |
| Cote d'Ivoire | 2016 | Other | 25.8 | 22.8 | 29.1 | |
| Cuba | 2019 | African descent | 32.6 | 27.7 | 37.9 | |
| Cuba | 2019 | Reference | 67.4 | 62.1 | 72.3 | yes |
| Dominican Republic | 2014 | African descent | 8.6 | 7.4 | 10 | |
| Dominican Republic | 2014 | Reference | 91.4 | 90 | 92.6 | yes |
| Ethiopia | 2016 | Other | 23.7 | 20.2 | 27.7 | |
| Ethiopia | 2016 | Affar | 1 | 0.7 | 1.5 | |
| Ethiopia | 2016 | Amhara | 20.9 | 18.4 | 23.6 | |
| Ethiopia | 2016 | Berta | 0.4 | 0.3 | 0.7 | |
| Ethiopia | 2016 | Guragie | 1.4 | 0.8 | 2.4 | |
| Ethiopia | 2016 | Nuwer | 0.1 | 0 | 0.1 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) |
|-----------|------|-----------------|------|--------|----------------------------------|
| Ethiopia | 2016 | Oromo | 41.1 | 36.9 | 45.4 |
| Ethiopia | 2016 | Somalie | 3.6 | 2.8 | 4.6 |
| Ethiopia | 2016 | Tigrie | 7.7 | 6.4 | 9.2 |
| Gabon | 2012 | Other | 18.1 | 14.5 | 22.3 |
| Gabon | 2012 | Fang | 25.3 | 20.2 | 31.2 |
| Gabon | 2012 | Kota-Kele | 10.6 | 7.8 | 14.2 |
| Gabon | 2012 | Mbede-Teke | 9.6 | 6.8 | 13.4 |
| Gabon | 2012 | Nzabi-Duma | 16.6 | 12.8 | 21.2 |
| Gabon | 2012 | Shira-Punu/Vili | 19.9 | 16.1 | 24.2 |
| Gambia | 2018 | Fula | 21.9 | 18.4 | 26 |
| Gambia | 2018 | Jola | 10 | 7.4 | 13.4 |
| Gambia | 2018 | Mandinka | 29.7 | 25.7 | 34 |
| Gambia | 2018 | Other | 14.3 | 12 | 17 |
| Gambia | 2018 | Sarahule | 9.9 | 6.9 | 14 |
| Gambia | 2018 | Wolof | 14.1 | 11.3 | 17.5 |
| Ghana | 2017 | Akan | 47.5 | 42.6 | 52.5 |
| Ghana | 2017 | Ewe | 9.2 | 7.2 | 11.5 |
| Ghana | 2017 | Gruma | 4.6 | 3.2 | 6.7 |
| Ghana | 2017 | Grusi | 1.7 | 1.1 | 2.7 |
| Ghana | 2017 | Guan | 4.8 | 2.6 | 8.9 |
| Ghana | 2017 | Mole Dagbani | 17 | 13.1 | 21.8 |
| Ghana | 2017 | Other | 9.3 | 6.9 | 12.3 |
| Ghana | 2017 | Ga/Damgme | 5.8 | 4.4 | 7.6 |
| Guatemala | 2014 | Indigenous | 47 | 43.8 | 50.1 |
| Guatemala | 2014 | Reference | 53 | 49.9 | 56.2 yes |
| Guinea | 2018 | Guerzé | 6.4 | 4.6 | 9 |
| Guinea | 2018 | Kissi | 5.7 | 3.7 | 8.8 |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|---------------|------|-----------------|------|--------|----------------------------------|-----|
| Guinea | 2018 | Malinké | 33.3 | 29.4 | 37.5 | |
| Guinea | 2018 | Peulh | 34.9 | 31.1 | 38.9 | |
| Guinea | 2018 | Soussou | 19.6 | 16.2 | 23.6 | |
| Guinea Bissau | 2018 | Balanta | 21.3 | 17.6 | 25.4 | |
| Guinea Bissau | 2018 | Beafada | 2.7 | 1.8 | 4.1 | |
| Guinea Bissau | 2018 | Fula | 33.6 | 28.9 | 38.6 | |
| Guinea Bissau | 2018 | Mandinga | 20.2 | 14.1 | 28.2 | |
| Guinea Bissau | 2018 | Manjaco | 5.4 | 4 | 7.3 | |
| Guinea Bissau | 2018 | Other | 9 | 6.9 | 11.7 | |
| Guinea Bissau | 2018 | Papel | 7.8 | 6.1 | 9.9 | |
| Guyana | 2014 | African descent | 30.8 | 25.7 | 36.4 | |
| Guyana | 2014 | Indigenous | 15.1 | 11.6 | 19.5 | |
| Guyana | 2014 | Reference | 54.1 | 48.4 | 59.7 | yes |
| Honduras | 2011 | African descent | 2.1 | 1.5 | 3 | |
| Honduras | 2011 | Indigenous | 10 | 8.8 | 11.3 | |
| Honduras | 2011 | Reference | 87.9 | 86.4 | 89.3 | yes |
| India | 2015 | Caste | 89 | 88.4 | 89.5 | yes |
| India | 2015 | No caste/Tribe | 3.8 | 3.4 | 4.2 | |
| India | 2015 | Tribe | 7.2 | 6.9 | 7.6 | |
| Iraq | 2018 | Arabic | 83.2 | 77.7 | 87.5 | yes |
| Iraq | 2018 | Kurdish | 16.8 | 12.5 | 22.3 | |
| Jordan | 2017 | Other | 3.6 | 2.4 | 5.4 | |
| Jordan | 2017 | Jordanian | 83.6 | 80.6 | 86.3 | yes |
| Jordan | 2017 | Syrian | 12.8 | 10.5 | 15.4 | |
| Kazakhstan | 2015 | Kazakh | 73.3 | 67.8 | 78.1 | yes |
| Kazakhstan | 2015 | Other | 14.7 | 10.5 | 20.2 | |
| Kazakhstan | 2015 | Russian | 12 | 9.9 | 14.4 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|------------|------|-------------------|------|--------|----------------------------------|-----|
| Kenya | 2014 | Other | 5.3 | 4.3 | 6.5 | |
| Kenya | 2014 | Boran | 0.7 | 0.4 | 1.3 | |
| Kenya | 2014 | Kalenjin | 13.3 | 11.8 | 15 | |
| Kenya | 2014 | Kamba | 9.6 | 8.3 | 11.1 | |
| Kenya | 2014 | Kikuya | 17.5 | 15.5 | 19.8 | |
| Kenya | 2014 | Kisii | 5.3 | 4.3 | 6.5 | |
| Kenya | 2014 | Luhya | 15.4 | 13.4 | 17.7 | |
| Kenya | 2014 | Luo | 12.5 | 11.2 | 14 | |
| Kenya | 2014 | Maasai | 3.4 | 2.5 | 4.6 | |
| Kenya | 2014 | Meru | 4.2 | 3.4 | 5.2 | |
| Kenya | 2014 | Mijikenda/Swahili | 5.9 | 5 | 7 | |
| Kenya | 2014 | Pokomo | 0.4 | 0.2 | 0.7 | |
| Kenya | 2014 | Samburu | 0.7 | 0.5 | 0.9 | |
| Kenya | 2014 | Somali | 3.8 | 3.1 | 4.7 | |
| Kenya | 2014 | Turkana | 1.9 | 1.4 | 2.6 | |
| Kyrgyzstan | 2018 | Kyrgyz | 83.7 | 75.7 | 89.5 | yes |
| Kyrgyzstan | 2018 | Uzbek | 16.3 | 10.5 | 24.3 | |
| Laos | 2017 | Chinese-Tibetan | 2.9 | 2 | 4 | |
| Laos | 2017 | Hmong-Mien | 14.6 | 12.2 | 17.3 | |
| Laos | 2017 | Lao-Tai | 57.1 | 53.4 | 60.7 | yes |
| Laos | 2017 | Mon-Khmer | 25.5 | 22.5 | 28.8 | |
| Malawi | 2015 | Other | 3.9 | 3.2 | 4.7 | |
| Malawi | 2015 | Chewa | 34.4 | 32.1 | 36.7 | |
| Malawi | 2015 | Lomwe | 16.4 | 14.8 | 18.1 | |
| Malawi | 2015 | Mang'Anja | 2.3 | 1.7 | 3.2 | |
| Malawi | 2015 | Ngoni | 10.9 | 9.5 | 12.4 | |
| Malawi | 2015 | Sena | 4.6 | 3.8 | 5.5 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|------------|------|------------------------|------|--------|----------------------------------|-----|
| Malawi | 2015 | Tonga | 1.9 | 1.5 | 2.6 | |
| Malawi | 2015 | Tumbuka | 8.8 | 7.5 | 10.3 | |
| Malawi | 2015 | Yao | 16.8 | 14.6 | 19.3 | |
| Mali | 2018 | Other | 8 | 6.1 | 10.5 | |
| Mali | 2018 | Bambara | 32 | 28 | 36.3 | |
| Mali | 2018 | Dogon | 10.4 | 7.8 | 13.9 | |
| Mali | 2018 | Malinke | 9.4 | 6.9 | 12.8 | |
| Mali | 2018 | Peulh | 13.5 | 10.9 | 16.6 | |
| Mali | 2018 | Sarakole/Soninke/Marka | 9.7 | 7.3 | 12.9 | |
| Mali | 2018 | Sonraï | 5.7 | 4.6 | 7.1 | |
| Mali | 2018 | Sénoufo/Minianka | 9.4 | 6.8 | 12.9 | |
| Mali | 2018 | Touareg/Bella | 1.7 | 1 | 2.9 | |
| Mauritania | 2015 | Arabe | 79.9 | 74.9 | 84.1 | yes |
| Mauritania | 2015 | Poular | 16.8 | 12.9 | 21.6 | |
| Mauritania | 2015 | Soninké | 3.3 | 2 | 5.4 | |
| Mexico | 2015 | Indigenous | 8.8 | 6.3 | 12 | |
| Mexico | 2015 | Reference | 91.2 | 88 | 93.7 | yes |
| Mongolia | 2018 | Kazakh | 4.7 | 3.6 | 6.1 | |
| Mongolia | 2018 | Khalkh | 78.8 | 75 | 82.2 | yes |
| Mongolia | 2018 | Other | 16.5 | 13.1 | 20.5 | |
| Montenegro | 2013 | Montenegrin | 52.8 | 42.5 | 62.9 | yes |
| Montenegro | 2013 | Other | 25.9 | 17.6 | 36.3 | |
| Montenegro | 2013 | Serbian | 21.3 | 14.6 | 30 | |
| Mozambique | 2015 | Other | 29.6 | 24.4 | 35.3 | |
| Mozambique | 2015 | Cindau | 5.5 | 3.1 | 9.6 | |
| Mozambique | 2015 | Cinyanja | 5.7 | 3.1 | 10.5 | |
| Mozambique | 2015 | Cisena | 6.6 | 4.3 | 10.1 | |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) |
|------------|------|----------------|------|--------|----------------------------------|
| Mozambique | 2015 | Emakhuwa | 32 | 27.4 | 37 |
| Mozambique | 2015 | Português | 5.5 | 4 | 7.4 |
| Mozambique | 2015 | Xichangana | 10.4 | 8.7 | 12.4 |
| Mozambique | 2015 | Xitswa | 4.6 | 3.1 | 6.8 |
| Myanmar | 2015 | Other | 15.9 | 12.9 | 19.5 |
| Myanmar | 2015 | Myanmar | 84.1 | 80.5 | 87.1 yes |
| Namibia | 2013 | Other | 6.1 | 4.3 | 8.5 |
| Namibia | 2013 | Afrikaans | 7 | 5 | 9.7 |
| Namibia | 2013 | Damara>Nama | 10.7 | 8.8 | 13.1 |
| Namibia | 2013 | Herero | 6.7 | 4.7 | 9.6 |
| Namibia | 2013 | Kwangali | 12.2 | 10.1 | 14.8 |
| Namibia | 2013 | Lozi | 5.6 | 4.6 | 6.9 |
| Namibia | 2013 | Oshiwambo | 51.6 | 47.8 | 55.4 yes |
| Nepal | 2019 | Brahman - Hill | 11.3 | 9 | 14 |
| Nepal | 2019 | Chhetree | 14.7 | 12.4 | 17.3 |
| Nepal | 2019 | Kami | 4.5 | 3.4 | 5.9 |
| Nepal | 2019 | Magar | 6.8 | 5.1 | 9.1 |
| Nepal | 2019 | Musalman | 5.8 | 3.6 | 9.3 |
| Nepal | 2019 | Other | 44.5 | 40.3 | 48.9 |
| Nepal | 2019 | Tamang | 5.9 | 4.3 | 8.1 |
| Nepal | 2019 | Tharu | 6.5 | 4.5 | 9.1 |
| Niger | 2012 | Haoussa | 73.7 | 70.4 | 76.8 yes |
| Niger | 2012 | Kanouri/Toubou | 1.9 | 1.5 | 2.5 |
| Niger | 2012 | Other | 3.4 | 2.5 | 4.6 |
| Niger | 2012 | Zarma | 21 | 18 | 24.3 |
| Nigeria | 2018 | Other | 22.5 | 20.7 | 24.6 |
| Nigeria | 2018 | Fulani | 8.1 | 6.8 | 9.6 |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|------------------|------|-----------------|------|--------|----------------------------------|-----|
| Nigeria | 2018 | Hausa | 34 | 31.6 | 36.4 | |
| Nigeria | 2018 | Ibibio | 1.5 | 1.1 | 2 | |
| Nigeria | 2018 | Igala | 0.7 | 0.5 | 1.1 | |
| Nigeria | 2018 | Igbo | 13.8 | 12.6 | 15.2 | |
| Nigeria | 2018 | Ijaw/Izon | 1.8 | 1.4 | 2.3 | |
| Nigeria | 2018 | Kanuri/Berberi | 2.5 | 1.8 | 3.5 | |
| Nigeria | 2018 | Tiv | 2.6 | 1.9 | 3.4 | |
| Nigeria | 2018 | Yoruba | 12.5 | 10.9 | 14.3 | |
| North Macedonia | 2018 | Albanian | 37 | 26.3 | 49.3 | |
| North Macedonia | 2018 | Macedonian | 63 | 50.7 | 73.7 | yes |
| Pakistan | 2017 | Other | 6.9 | 4.9 | 9.7 | |
| Pakistan | 2017 | Baluchi | 2.8 | 1.8 | 4.3 | |
| Pakistan | 2017 | Punjabi | 36.8 | 31.8 | 42.1 | |
| Pakistan | 2017 | Pushto | 18.1 | 15 | 21.6 | |
| Pakistan | 2017 | Sariaki | 15.9 | 11.5 | 21.4 | |
| Pakistan | 2017 | Sindhi | 11.2 | 8.2 | 15 | |
| Pakistan | 2017 | Urdu | 8.4 | 6.2 | 11.1 | |
| Panama | 2013 | African descent | 14.4 | 11 | 18.5 | |
| Panama | 2013 | Indigenous | 21 | 17.8 | 24.5 | |
| Panama | 2013 | Reference | 64.7 | 59.4 | 69.6 | yes |
| Papua New Guinea | 2016 | English | 2.1 | 1.3 | 3.4 | |
| Papua New Guinea | 2016 | Pidgin | 40.8 | 36.8 | 44.9 | |
| Papua New Guinea | 2016 | Tok Ples | 57.1 | 52.9 | 61.1 | yes |
| Paraguay | 2016 | Indigenous | 41.7 | 37.1 | 46.4 | |
| Paraguay | 2016 | Reference | 58.3 | 53.6 | 62.9 | yes |
| Peru | 2019 | Indigenous | 6.3 | 5.4 | 7.3 | |
| Peru | 2019 | Reference | 93.7 | 92.7 | 94.6 | yes |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) | |
|--------------|------|-----------------|------|--------|----------------------------------|-----|
| Philippines | 2017 | Other | 21.5 | 19 | 24.2 | |
| Philippines | 2017 | Bicolano | 6.5 | 5.3 | 8 | |
| Philippines | 2017 | Cebuano | 19.2 | 16.9 | 21.7 | |
| Philippines | 2017 | Ilokano | 6.8 | 5.2 | 8.8 | |
| Philippines | 2017 | Ilonggo | 8.7 | 7.2 | 10.5 | |
| Philippines | 2017 | Maranao | 2 | 1.4 | 2.9 | |
| Philippines | 2017 | Tagalog | 27.7 | 24.4 | 31.2 | |
| Philippines | 2017 | Visaya | 3.3 | 2.4 | 4.4 | |
| Philippines | 2017 | Waray | 4.3 | 3.3 | 5.7 | |
| Senegal | 2019 | Other | 10.5 | 7.5 | 14.6 | |
| Senegal | 2019 | Poular | 29.8 | 25.7 | 34.2 | |
| Senegal | 2019 | Wolof | 43.1 | 37.7 | 48.8 | |
| Senegal | 2019 | Mandingue/ Socé | 5.2 | 3.7 | 7.5 | |
| Senegal | 2019 | Serer | 11.4 | 8.3 | 15.4 | |
| Sierra Leone | 2019 | Other | 12 | 9.8 | 14.6 | |
| Sierra Leone | 2019 | Fullah | 2.7 | 2 | 3.7 | |
| Sierra Leone | 2019 | Kono | 3.7 | 2.7 | 4.9 | |
| Sierra Leone | 2019 | Korankoh | 4 | 2.6 | 6 | |
| Sierra Leone | 2019 | Limba | 7.3 | 5.6 | 9.4 | |
| Sierra Leone | 2019 | Mende | 34.8 | 31.7 | 38 | |
| Sierra Leone | 2019 | Temne | 35.6 | 32.4 | 38.9 | |
| South Africa | 2016 | Black/African | 91 | 88.2 | 93.2 | yes |
| South Africa | 2016 | Coloured | 9 | 6.8 | 11.8 | |
| Suriname | 2018 | African descent | 35.7 | 30.4 | 41.4 | |
| Suriname | 2018 | Reference | 64.3 | 58.6 | 69.6 | yes |
| Tajikistan | 2017 | Other | 16.3 | 11.8 | 22.2 | |
| Tajikistan | 2017 | Tajik | 83.7 | 77.8 | 88.2 | yes |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) |
|--------------|------|--------------|------|--------|----------------------------------|
| Thailand | 2019 | Non-Thai | 8.6 | 6.7 | 11 |
| Thailand | 2019 | Thai | 91.4 | 89 | 93.3 yes |
| Timor Leste | 2016 | Other | 6.1 | 4.6 | 8.1 |
| Timor Leste | 2016 | Tetum | 93.9 | 91.9 | 95.4 yes |
| Togo | 2017 | Adja-Ewe | 36.8 | 31.6 | 42.2 |
| Togo | 2017 | Paragourma | 23.1 | 18.6 | 28.3 |
| Togo | 2017 | Kabye-Tem | 22.2 | 18.2 | 26.7 |
| Togo | 2017 | Other | 18 | 14 | 22.7 |
| Turkmenistan | 2015 | Turkmen | 91.3 | 86.6 | 94.5 yes |
| Turkmenistan | 2015 | Uzbek | 8.7 | 5.5 | 13.4 |
| Uganda | 2016 | Other | 11.2 | 9.4 | 13.3 |
| Uganda | 2016 | Acholi | 4.3 | 3.5 | 5.2 |
| Uganda | 2016 | Alur | 3.2 | 2.1 | 4.7 |
| Uganda | 2016 | Bafumbira | 2.1 | 1.4 | 3.2 |
| Uganda | 2016 | Baganda | 15.2 | 13.1 | 17.5 |
| Uganda | 2016 | Bagisu | 4.9 | 4 | 6 |
| Uganda | 2016 | Bagwere | 1.9 | 1.3 | 2.9 |
| Uganda | 2016 | Bakiga | 5.9 | 4.7 | 7.3 |
| Uganda | 2016 | Bakonzo | 2.8 | 1.8 | 4.4 |
| Uganda | 2016 | Banyankore | 10.1 | 8.5 | 12.1 |
| Uganda | 2016 | Banyarwanda | 2.5 | 1.8 | 3.4 |
| Uganda | 2016 | Banyole | 2 | 1.3 | 3.1 |
| Uganda | 2016 | Banyoro | 2.9 | 2.1 | 4 |
| Uganda | 2016 | Basoga | 7.7 | 6.3 | 9.4 |
| Uganda | 2016 | Batoro | 3.4 | 2.4 | 4.9 |
| Uganda | 2016 | Iteso | 8.2 | 6.7 | 10.1 |
| Uganda | 2016 | Jopadhola | 2.3 | 1.5 | 3.6 |

| Country | Year | Ethnic group | % | 95% CI | Majority group (when applicable) |
|----------|------|--------------|------|--------|----------------------------------|
| Uganda | 2016 | Karimojong | 1.2 | 0.7 | 2 |
| Uganda | 2016 | Lango | 5.2 | 4.3 | 6.3 |
| Uganda | 2016 | Lugbara | 3 | 2.2 | 4.1 |
| Vietnam | 2013 | Kinh | 85 | 81.5 | 88 yes |
| Vietnam | 2013 | Non-Kinh | 15 | 12 | 18.5 |
| Zambia | 2018 | Other | 6.9 | 5.6 | 8.6 |
| Zambia | 2018 | Bemba | 36.8 | 33.6 | 40 |
| Zambia | 2018 | Kaonde | 2.8 | 1.9 | 4.2 |
| Zambia | 2018 | Lozi | 7.9 | 6.5 | 9.5 |
| Zambia | 2018 | Lunda | 2.2 | 1.4 | 3.5 |
| Zambia | 2018 | Luvale | 2.3 | 1.6 | 3.2 |
| Zambia | 2018 | Nyanja | 23.5 | 21 | 26.2 |
| Zambia | 2018 | Tonga | 17.6 | 14.5 | 21.1 |
| Zimbabwe | 2019 | Other | 4.9 | 2.8 | 8.4 |
| Zimbabwe | 2019 | Ndebele | 11.1 | 9.2 | 13.2 |
| Zimbabwe | 2019 | Shona | 84.1 | 80.9 | 86.8 yes |

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70

71 **Supplementary Table 6 – Median no-DPT prevalence by different grouping of countries.**

| Country groups | Number of countries | Median number of ethnic groups | Median no-DPT prevalence | Median high-low ethnic gap | | Pct countries with significant ethnic gaps* |
|--------------------------------|---------------------|--------------------------------|--------------------------|----------------------------|------------|---|
| | | | | Difference (pp) | Ratio | |
| GAVI eligibility status | | | | | | |
| GAVI | 40 | 6.5 | 11.8 | 15.6 | 4.2 | 72.5 |
| Non-GAVI | 24 | 2 | 5.4 | 5.2 | 2.9 | 37.5 |
| World region | | | | | | |
| WCA | 20 | 6.5 | 14.1 | 17.9 | 3.4 | 70 |
| ESA | 10 | 8.5 | 6.4 | 12 | 9.1 | 60 |
| MENA | 2 | 2.5 | 10.4 | 10.5 | 2.6 | 50 |
| EECA | 7 | 2 | 4.4 | 1.6 | 1.8 | 28.6 |
| SA | 4 | 7.5 | 12.1 | 22.1 | 5.8 | 100 |
| EAP | 8 | 2.5 | 14.3 | 14.3 | 3.8 | 75 |
| LAC | 13 | 2 | 4.7 | 3 | 2.8 | 38.5 |
| Country income group | | | | | | |
| Low | 20 | 8 | 10.3 | 20.5 | 6.3 | 80 |
| Lower middle | 23 | 3 | 13.1 | 10.6 | 3.3 | 69.6 |
| Upper middle | 21 | 2 | 5.2 | 3.7 | 2 | 28.6 |
| Number of ethnic groups | | | | | | |
| <4 | 33 | 2 | 5.6 | 5.5 | 2.2 | 45.5 |
| 4 to 8 | 18 | 6.5 | 10.3 | 14.6 | 3.5 | 61.1 |
| >8 | 13 | 9 | 17.9 | 43.5 | 8.5 | 92.3 |
| No-DPT prevalence | | | | | | |
| <5% | 20 | 3 | 3 | 3.7 | 4.3 | 45 |
| 5-9% | 17 | 3 | 7.3 | 8.9 | 2.8 | 35.3 |
| >=10% | 27 | 6 | 17.9 | 23.9 | 3.5 | 85.2 |
| All countries | 64 | 3 | 7.8 | 9.6 | 3.3 | 59.4 |

72 Legend: WCA: West and Central Africa. ESA: Eastern and South Africa. MENA: Middle East and North Africa. ECA: Europe and Central Asia. SA: South Asia.

73 EAP: East Asia and The Pacific. LAC: Latin America and Caribbean. No-DPT: children who did not received any doses of the diphtheria-tetanus-pertussis-
74 containing vaccine. *p value < 0.05.