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C S Crowe, B B Massenburg, S D Morrison, J Chang, J B Friedrich, G G Abady, F Alahdab, V Alipour, J Arabloo, M Asaad, M Banach, A Bijani, A M Borzi, N I Briko, C D Castle, D Y Cho, M T Chung, A Daryani, G T Demoz, Z V Dingels, H T Do, F Fischer, J T Fox, T Fukumoto, A K Gebre, B Gebremichael, J A Haagsma, A Haj-Mirzaian, D W Handiso, S I Hay, C L Hoang, S S N Irvani, J J Jozwiak, R Kalhor, A Kasaiean, Y S Khader, R Khalilov, E A Khan, R Khundkar, S Kisa, A Kisa, Z Liu, M Majdan, N Manafi, A Manafi, A-L Manda, T J Meretoja, T R Miller, A Mohammadian-Hafshejani, R Mohammadpourhodki, M A Mohseni Bandpei, A H Mokdad, M D Naimzada, D E Ndwandwe, C T Nguyen, H L T Nguyen, A T Olagunju, T O Olagunju, H Q Pham, D R A Pribadi, N Rabiee, K Ramezanzadeh, K Ranganathan, N L S Roberts, L Roever, S Safari, A M Samy, L Sanchez Riera, S Shahabi, C-G Smarandache, D O Sylte, B E Tesfay, B X Tran, I Ullah, P Vahedi, A Vahedian-Azimi, T Vos, D H Woldeyes, A B Wondmeneh, Z-J Zhang, S L James

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C D Castle, Z V Dingels, J T Fox, E B Hamilton, Z Liu, N L S Roberts, D O Sylte, G J Bertolacci, M Cunningham, N J Henry, K E LeGrand, A Abdelalim, I Abdollahpour, R S Abdulkader, A Abedi, K H Abegaz, A E Abosetugn, A I Abushouk, O M Adebayo, J C Adsuar, S M Advani, M Agudelo-Botero, T Ahmad, M B Ahmed, R Ahmed, M T Eddine Aichour, F Alahdab, F M Alanezi, N M Alema, B W Alemu, S A Alghnam, B A Ali, S Ali, C Alinia, V Alipour, S M Aljunid, A Almasi-Hashiani, N A Almasri, K Altirkawi, Y S Abdeldayem Amer, C L Andrei, A Ansari-Moghaddam, C A T Antonio, D Anvari, S C Yaw Appiah, J Arabloo, M Arab-Zozani, Z Arefi, O Aremu, F Ariani, A Arora, M Asaad, B P Ayala Quimantilla, G Ayano, M A Ayanore, G Azarian, A Badawi, A D Badiye, A A Baig, M Bairwa, A Bakhtiari, A Balachandran, M Banach, S K Banerjee, P C Banik, A Banstola, S L Barker-Collo, T W Bärnighausen, A Barzegar, M Bayati, S Bazargan-Hejazi, N Bedi, M Behzadifar, H Belete, D A Bennett, I M Bensenor, K Berhe, A S Bhagavathula, P Bhardwaj, A G Bhat, K Bhattacharyya, Z A Bhutta, S Bibi, A Bijani, A Bloor, G Borges, R Borschmann, A M Borzi, S Boufous, D Braithwaite, N I Briko, T Brugha, S S Budhathoki, J Car, R Cárdenas, F Carvalho, J M Castaldelli-Maia, C A Castañeda-Orjuela, G Castelpietra, F Catalá-López, E Cerin, J S Chandan, J R Chapman, V K Chattu, S K Chattu, I Chatziralli, N Chaudhary, D Y Cho, J-Y J Choi, M A Kabir Chowdhury, D J Christopher, D-T Chu, F M Cicuttini, J M Coelho, V M Costa, S M A Dahlawi, A Daryani, C A Dávila-Cervantes, D D Leo, F M Demeke, G T Demoz, D G Demsie, K Deribe, R Desai, M D Nasab, D D da Silva, Z S Dibiagi Forooshani, H T Do, K E Doyle, T R Driscoll, E Dubljanin, B D Adema, A W Eagan, D A Elemineh, S I El-Jaafari, Z El-Khatib, C L Ellingsen, M E S Zaki, S Eskandari, O Eyawo, P S Faris, A Faro, F Farzadfar, S-M Fereshtehnejad, E Fernandes, P Ferrara, F Fischer, M O Folayan, A A Fomenkov, M Foroutan, J M Francis, R C Franklin, T Fukumoto, B S Geberemariam, H Gebremariam, K B Gebremedhin, L G Gebremeskel, G G Gebremeskel, B Gebremichael, G A Gedefaw, B Geta, A B Getenet, M Chafourifard, F Ghamari, R G Gheshlagh, A Gholamian, S A Gilani, T K Gill, A H Goudarzian, A C Goulart, A Grada, M Grivna, R A Guimarães, Y Guo, G Gupta, J A Haagsma, B J Hall, R R Hamadeh, S Hamidi, D W Handiso, J M Haro, A Hasanadeh, S Hassan, S Hassanipour, H Hassankhani, H Y Hassen, R Havmoeller, D Hendrie, F Heydarpour, M Hajar, H C Ho, C L Hoang, M K Hole, R Holla, N Hossain, M Hosseinzadeh, S Hostiuc, G Hu, S E Ibitoye,

O S Ilesanmi, L R Inbaraj, S S Naghibi Irvani, M Mofizul Islam, S M Shariful Islam, R Q Ivers, M A Jahani, M Jakovljevic, F Jalilian, S Jayaraman, A U Jayatilleke, R P Jha, Y O John-Akinola, J B Jonas, K M Jones, N Joseph, F Joukar, J J Jozwiak, S B Jungari, M Jürisson, A Kabir, A Kahsay, L R Kalanekesh, R Kalhor, T A Kamil, T Kanchan, N Kapoor, M Karami, A Kasaetan, H G Kassaye, T Kavetsky, G A Kayode, P N Keiyoro, A G Kelbore, Y S Khader, M A Khafaie, N Khalid, I A Khalil, R Khalilov, M Khan, E A Khan, J Khan, T Khanna, S Khazaie, H Khazaie, R Khundkar, D N Kiirithio, Y-E Kim, Y J Kim, D Kim, S Kisa, A Kisa, H Komaki, S K M Kondlahalli, A Koolivand, V A Korshunov, A Koyanagi, M U G Kraemer, K Krishan, B K Defo, B K Bicer, N Kugbey, N Kumar, M Kumar, V Kumar, N Kumar, G Kumaresh, F H Lami, V C Lansingh, S Lasrado, A Latifi, P Lauriola, C L Vecchia, J L Leasher, S W Huey Lee, S Li, X Liu, A D Lopez, P A Loufo, R A Lyons, D B Machado, M Madadin, M M Abd El Razeq, N B Mahotra, M Majdan, A Majeed, V Maled, D C Malta, N Manafi, A Manafi, A-L Manda, N Manjunatha, F Mansour-Ghanaei, M A Mansournia, J C Maravilla, A J Mason-Jones, S Z Masoumi, B B Massenbourg, P K Maulik, M M Mehndiratta, Z A Melketseidik, P T N Memiah, W Mendoza, R G Menezes, M M Mengesha, T J Meretoja, A Meretoja, H E Merie, T Mestrovic, B Miazgowski, T Miazgowski, T R Miller, G K Mini, A Mirica, E M Mirakhimov, M Mirzaei-Alavijeh, P Mithra, B Moazen, M Moghadaszadeh, E Mohamadi, Y Mohammad, A M Darwesh, A Mohammadian-Hafshejani, R Mohammadpourhodki, S Mohammed, J A Mohammed, F Mohebi, M A Mohseni Bandpei, M Molokhia, L Monasta, Y Moodley, M Moradi, G Moradi, M Moradi-Lakeh, R Moradzadeh, L Morawska, I M Velásquez, S D Morrison, T B Mossie, A G Muluneh, K I Musa, G Mustafa, M Naderi, A J Nagarajan, G Naik, M D Naimzada, F Najafi, V Nangia, B R Nascimento, M Naserbakht, V Nayak, J Nazari, D E Ndwandwe, I Negroi, J W Ngunjiri, T H Nguyen, C T Nguyen, D N Nguyen, H L Thi Nguyen, R Nikbakht, D N Anggraini Ningrum, C A Nnaji, W Ofori-Asenso, F A Ogbo, O B Oghenetega, I-H Oh, A T Olagunju, T O Olagunju, A O Bali, O E Onwujekwe, H M Orpana, E Oia, N Odstavnov, S S Odstavnov, M P A, J R Padubidri, S Pakhale, K Pakshir, S Panda-Jonas, E-K Park, S K Patel, A Pathak, S Pati, K Paulos, A E Peden, V C Filipino Pepito, J Pereira, M R Phillips, R V Polibin, S Polinder, F Pourmalek, A Pourshams, H Poustchi, S Prakash, D R Angga Prihadi, P Puri, Z Q Syed, N Rabiee, M Rabiee, A Radfar, A Rafay, A Rafiee, A Rafiei, F Rahim, S Rahimi, M A Rahman, A Rajabpour-Sanati, F Rajati, I Rakovac, S J Rao, V Rashedi, P Rastogi, P Rathi, S Rawaf, L Rawal, R Rawassizadeh, V Renjith, S Resnikoff, A Rezapour, A I Ribeiro, J Rickard, C M Rios González, L Roeber, L Ronfani, G Roshandel, B Saddik, H Safarpour, M Safdarian, S Mohammad Sajadi, P Salamati, M R Rashad Salem, H Salem, I Salz, A M Samy, J Sanabria, L S Riera, M M Santric Milicevic, A R Sarker, A Sarveezad, B Sathian, M Sawhney, M Sayyah, D C Schwebel, S Seedat, S Senthilkumar, S Seyedmousavi, F Sha, F Shaahmadi, S Shahabi, M A Shaikh, M Shams-Beyranvand, A Sheikh, M Shigematsu, J I Shin, R Shiri, S Siabani, I D Sigfusdottir, J A Singh, P K Singh, D N Sinha, A Soheil, J B Soriano, M B Sorrie, I N Soyiri, M A Stokes, M B Sufiyani, B L Sykes, R Tabarés-Seisdedos, K M Tabb, B W Taddede, Y M Tefera, A Tehrani-Banihashemi, G H Tekulu, A K Tesema Tesema, B E Tesfay, R Thapar, M V Titova, K G Tlaye, H R Tohidinik, R Topor-Madry, K B Tran, B X Tran, J P Tripathy, A C Tsai, A Tsatsakis, L T Car, I Ullah, S Ullah, B Unnikrishnan, E Upadhyay, O A Uthman, P R Valdez, T J Vasankari, Y Veisani, N Venketasubramanian, F S Violante, V Vlassov, Y Waheed, Y-P Wang, T Wiangkeham, H F Wolde, D H Woldeyes, T G Wondmeneh, A B Wondmeneh, A-M Wu, G M A Wyper, R Yadav, A Yadollahpour, Y Yano, S Yaya, V Yazdi-Feyzabadi, P Ye, P Yip, E Yisma, N Yonemoto, S-J Yoon, Y Youm, M Z Younis, Z Yousefi, C Yu, Y Yu, T Z Moghadam, Z Zaidi, S B Zaman, M Zamani, H Zandian, F Zarei, Z-J Zhang, Y Zhang, A Ziapour, S Zodepey, R Dandona, S D Dharmaratne, S I Hay, A H Mokdad, D M Pigott, R C Reiner, T Vos

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Miscellaneous

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- i163** Correction: *Morbidity and mortality from road injuries: results from the global Burden of Disease Study 2017*
- i164** Correction: *Burden of injury along the development spectrum: associations between the Socio-demographic Index and disability-adjusted life year estimates from the Global Burden of Disease Study 2017*
- i165** Correction: *Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017*
- i166** Correction: *The burden of unintentional drowning: Global, regional and national estimates of mortality from the Global Burden of Disease 2017 Study*