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| Supplementary Table 1: Classification of animals between country-level data (FAO) and household-level data (DHS and MICS) |
| FAO category | DHS/MICS category | Calculations |
| Donkeys (Asses) | DHS: Horses, donkeys, or mulesMICS: Horses, donkeys, or mules | Feces produced: [Average daily fecal production per ass] x [total asses (FAO)] + [average daily fecal production per horse] x [total horses (FAO)] + [average daily fecal production per mule] x [total mules (FAO)]Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS/DHS question about owning horses, donkeys, or mules] Total feces per animal (used only in “weighted hazards by household” calculation below): [Total feces] / [Total asses, horses, and mules]Weighted hazards by household:  Category 0: [Total feces per animal] x 5 x [Weighted proportion of population responding “1-10” to MICS/DHS] Category 1: [Total feces per animal] x 53 x [Weighted proportion of population responding “>10-95” to MICS/DHS] Category 2: [Total feces per animal] x 100 x [Weighted proportion of population responding “>95” to MICS/DHS] |
| Horses |
| Mules |
|  |  |  |
| Buffaloes | DHS: Questions about “cattle” and “cows, bulls” combinedMICS: Cattle, milk cows, or bulls | Feces produced: [Average daily fecal production per buffalo] x [total buffaloes (FAO)] + [average fecal production per cow/bull] x [total cattle (FAO)] Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS/DHS question about owning cattle, milk cows, or bulls] Total feces per animal (used only in “weighted hazards by household” calculation below): [Total feces] / [Total buffaloes and cattle]Weighted hazards by household:  Category 0: [Total feces per animal] x 5 x [Weighted proportion of population responding “1-10” to MICS/DHS] Category 1: [Total feces per animal] x 53 x [Weighted proportion of population responding “>10-95” to MICS/DHS] Category 2: [Total feces per animal] x 100 x [Weighted proportion of population responding “>95” to MICS/DHS] |
| Cattle |
|  |  |  |
| Chickens | DHS: ChickensMICS: Chickens | Feces produced: [Average daily fecal production per chicken] x [total chickens (FAO)] + [average fecal production per duck] x [total ducks (FAO)] + [average daily fecal production per goose] x [total geese or guinea fowl (FAO)] + [average daily fecal production per pigeon] x [total pigeons (FAO)] + [average daily fecal production per turkey] x [total turkeys (FAO)]Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS/DHS question about chickens] Total feces per animal (used only in “weighted hazards by household” calculation below): [Total feces] / [Total chickens, ducks, geese and guinea fowl, pigeons and other birds, and turkeys]Weighted hazards by household:  Category 0: [Total feces per animal] x 5 x [Weighted proportion of population responding “1-10” to MICS/DHS] Category 1: [Total feces per animal] x 53 x [Weighted proportion of population responding “>10-95” to MICS/DHS] Category 2: [Total feces per animal] x 100 x [Weighted proportion of population responding “>95” to MICS/DHS] |
| Ducks |
| Geese and guinea fowl |
| Pigeons, other birds |
| Turkeys |
|  |  |  |
| Goats | DHS: GoatsMICS: Goats | Feces produced: [Average daily fecal production per goat] x [total goats (FAO)] Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS/DHS question about goats] Total feces per animal (used only in “weighted hazards by household” calculation below): [Total feces] / [Total goats]Weighted hazards by household:  Category 0: [Average daily fecal production per goat] x 5 x [Weighted proportion of population responding “1-10” to MICS/DHS] Category 1: [Average daily fecal production per goat] x 53 x [Weighted proportion of population responding “>10-95” to MICS/DHS] Category 2: [Average daily fecal production per goat] x 100 x [Weighted proportion of population responding “>95” to MICS/DHS] |
|  |  |  |
| Sheep | DHS: SheepMICS: Sheep | Feces produced: [Average daily fecal production per sheep] x [total sheep (FAO)] Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS/DHS question about sheep] Total feces per animal (used only in “weighted hazards by household” calculation below): [Total feces] / [Total sheep]Weighted hazards by household:  Category 0: [Average daily fecal production per sheep] x 5 x [Weighted proportion of population responding “1-10” to MICS/DHS] Category 1: [Average daily fecal production per sheep] x 53 x [Weighted proportion of population responding “>10-95” to MICS/DHS] Category 2: [Average daily fecal production per sheep] x 100 x [Weighted proportion of population responding “>95” to MICS/DHS] |
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| Pigs | DHS: None (most recent MICS survey data used for country if available, otherwise household pig ownership assigned as the WHO regional average of all countries with MICS data)MICS: Pigs  | Feces produced: [Average daily fecal production per pig] x [total pigs (FAO)] Proportion of fecal hazard at household: [Total feces] x [Weighted proportion of population responding “Yes” to MICS question about pigs]  |
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| Camelids | None | Feces produced: [Average daily fecal production per camelid] x [total camelids (FAO)] Proportion of fecal hazard at household: No calculation Weighted hazards by household: No calculation |
|  |  |  |
| Camels | None | As above for camelids |
|  |  |  |
| Rabbits and hares | None | As above for camelids |
|  |  |  |
| Rodents, other | None | As above for camelids |