### **S1 Table: Eligibility criteria**

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| **Domain** | **Eligibility criterion** |
| Types of studies | Included:* Studies with records published between Jan 1, 2010, and Feb 29, 2020.
* Study records written in any language.
* Studies of any quantitative design, including cross-sectional studies.
* Studies providing estimates of relative differences between migrant and non-migrant workers in an eligible outcome, such as a risk, hazard or odds ratio.

Excluded:* Qualitative studies, case reports, and modelling studies.
* Study records without quantitative data (e.g., letters, commentaries and perspectives).
* Studies with estimates of absolute differences only (e.g. difference in means or risks).
* Studies that reported the prevalence or the incidence for eligible migrant workers and eligible non-migrant workers but did not report an estimate of the relative differences.

If a study presented models for different migrant populations (e.g., Model A for migrant workers who had ever arrived in the study country, Model B for migrant workers who had arrived in the last 6 years, and Model C for migrants who had arrived in the last 3 years), we prioritised the most inclusive model (i.e., in our example: Model A). We prioritised confounder-adjusted models over crude models and prioritised the model that we considered best adjusted for confounding (e.g., prioritised a model adjusted for two potential confounders over a model adjusted for one of the two confounders only). If a study presented two or more models adjusted for exclusive sets of confounders, we prioritised the model that we considered most relevant (e.g., prioritised a model adjusted for type of industry only over a model adjusted for age only). If a study presented data for multiple years, we prioritised the latest data for inclusion in the review. |
| Types of populations | Included:* International migrant workers, as defined by ILO.1
* Trafficked workers.
* Migrant workers who were a refugee or seeking asylum, including internationally displaced people who work.
* Country of birth, ethnicity or nationality indicative of migration (e.g., foreign-born Tunisians or nationals of China working in India).
* Workers who had migrated regularly (e.g., through official channels) and those who had migrated irregularly (e.g., not through official channels, such as undocumented migrants).
* Migrant workers in the formal economy and those in the informal economy.
* Temporary, short-term and long-term migrant workers, including permanent, seasonal and circular or cyclical ones.
* Working-age adults (defined as 15-64 years).
* Migrant workers at any of the five stages of migration (i.e., pre-departure, travel, destination, intersection, and remigration stage).2
* Any geographic setting and unit.
* Workers in any economic sector or occupational group, including health and social care workers.

Excluded:* Internal (within-country) migrant workers.
* Forcibly displaced workers who had not crossed an international border.
* Migrants who were not explicitly identified as workers (e.g., studies of all working-age migrants, including those not working or seeking work).
* Families of migrant workers, whether left behind in the country of origin or accompanying the migrant worker in the destination country.
* Indigenous ethnic groups who live and work nomadically, even if their work crossed borders.
* Ethnicity or nationality not based on migration status (e.g., person of Latino ethnicity residing in Italy).
* Children (≤15 years) and older adults (≥65 years).
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| Types of comparator | Included: Non-migrant workers (e.g. non-migrant workers in the country of destination and in the migrant workers’ country of origin, whether before departure from the country of origin or after return to it). Excluded: * All other comparators (e.g. migrant workers from another country of origin and not exclusively migrant workers (e.g., only 90% were international migrants).
* Studies using the total population as the comparator.
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| Types of outcomes | Included: * Has used any health service.
* Has used any occupational safety and health service.
* Has died from an occupational injury.
* Has had any non-fatal occupational injury.
* Has human immunodeficiency virus infection.
* Has clinical depression.

Excluded: All other outcomes. |

References

1. International Labour Organization. Decent work for migrants and refugees. Geneva: International Labour Organization. Available from: <http://www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/documents/publication/wcms_524995.pdf>; 2016.

2. Zimmerman C, Kiss L, Hossain M. Migration and health: a framework for 21st century policy-making. *PLoS medicine* 2011; **8**(5): e1001034.