Figure 1: Flow diagram for identification and selection of articles

Total articles retrieved from the databases (n=3375)

- Titles / abstracts excluded (n=3304)
  - Not original research articles
  - Studies on patients
  - Not having BP measurement
  - Sample size <100
  - Altitude level <2400 m
  - Studies on children
  - Duplicates across the databases

Articles selected for full text review (n=71)

- Articles excluded (n=50)
  - Full text not available (13)
  - Altitude <2400 m (8)
  - Altitude level not mentioned (6)
  - Data not available on ≥18 yrs (6)
  - Sample size on high altitude <100 (7)
  - Not permanent residents (4)
  - Inadequate information (6)

Final articles included (n=21)
(China 6, India 4, Peru 4, India & China 1, Nepal 1, Pakistan 1, Chile 1, Colombia & Ecuador 1, Ethiopia 1, Saudi Arabia 1)
Figure 2: The relationship between altitude and mean systolic blood pressure in Tibetan (above) and non-Tibetan (below) participants in meta-regression analysis with 95% confidence interval.
Appendix 1: The relationship between altitude and mean systolic (above) and diastolic (below) blood pressure in meta-regression analysis of the studies which have data for both low and high altitudes.