Ischemic heart disease (IHD) was responsible for 8.1 million deaths in 2013 (95% uncertainty interval, 7.3–8.8 million), the most recent year estimated, which was 14.8% of deaths worldwide (95% uncertainty interval, 13.4%–15.8%). IHD was the leading cause of death globally among men and women in both 1990 and 2013. In 2013, it was responsible for nearly half of all deaths from cardiovascular disease, causing as many deaths as chronic obstructive pulmonary disease, diabetes mellitus, cirrhosis, lung cancer, and liver cancer combined. There was an increase of 42% (95% uncertainty interval, 36%–48%) in the number of IHD deaths since 1990. The number of men dying from IHD was consistently higher than the number of women during this time period, and there was a larger relative increase in IHD deaths among men than among women. However, IHD is responsible for a slightly higher percentage of deaths among women than among men (15.3% versus 14.4%) because of significantly more IHD deaths among women aged ≥80 years.

The countries reporting the highest age-standardized rates of IHD mortality are primarily in Central Asia and Eastern Europe, but countries in South Asia have seen substantial increases in age-standardized IHD mortality rates during the past 2 decades. In marked contrast, high-income countries have reported sharp decreases in age-standardized mortality rates. High-income regions saw decline in mortality rates by as much as ≥50% between 1990 and 2013 and now account for some of the lowest IHD mortality rates in the world. Age-standardized death rates are also lower in most of sub-Saharan Africa; however, much of this region saw one of the highest relative increases in age-standardized mortality between 1990 and 2013. At the country level, the upper and lower extremes of IHD mortality rates vary by an order of magnitude: in Belarus, age-standardized mortality rates among men exceeded 600 per 100,000 in 2013; however, women in Japan had a mortality rate of 31 per 100,000 in 2013.

Method
The Global Burden of Disease Study 2013 produced consistent measures of death by age and sex for 188 countries for the years 1990 to 2013 for 240 causes of death. Detailed methods and results have been reported. Briefly, all available data on mortality were collected, including data from vital registration and verbal autopsy. Nonspecific conditions reported as underlying causes of death were redistributed using statistical methods or expert opinion. Versions of death coding were mapped to a uniform system. Ensemble modeling was used to estimate cause-specific mortality using death data and country-level covariates. Out-of-sample validity testing was performed for each cause-specific model, and uncertainty was estimated by taking 1000 draws from the posterior distribution of the ensemble model, with point estimates taken as the median value. Cause-specific death was adjusted to fit the envelope of global all-cause mortality. In this visualization, we restricted country-level estimates to those countries which produce vital registration or verbal autopsy data. The Figure is created with Adobe Illustrator.

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Disclosures
None.

References
ISCHEMIC HEART DISEASE (IHD)

Figure. Ischemic heart disease (IHD) worldwide, 1990 to 2013, from the Global Burden of Disease Study (GBD) 2013. Source: Institute for Health Metrics and Evaluation.
Ischemic Heart Disease Worldwide, 1990 to 2013: Estimates From the Global Burden of Disease Study 2013
Dawn Shepard, Amelia VanderZanden, Andrew Moran, Mohsen Naghavi, Christopher Murray and Gregory Roth

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