Methods: All Zambian hospitals providing surgical care in 2010 were identified in cooperation with the Ministry of Health. On-site data collection was completed between October 2010 and August 2011 using an adapted WHO Global Initiative for Emergency and Essential Surgical Care survey. Data were geocoded using ArcGIS 10.3 and analyzed in Redvis, an online visualization platform. We identified the proportion of the population covered within a 2-hour travel time to facilities, as recommended by the Lancet Commission on Global Surgery.

Findings: Data were collected from on-site assessments of all 103 surgical hospitals. Visits included 495 interviews with providers and tours of the facilities. Overall, 8% of the population (1.16 million people) lived more than a 2-hour drive from any surgical facility (Figure 1a). When minimum safety standards adapted from WHO criteria were included in the analysis, access declined markedly; only 17 (16.5%) hospitals met these minimum standards, defined as the availability of a pulse oximeter, adult bag mask, oxygen, suction, intravenous fluid, sterile gloves, skin preparation solution, and a functioning sterilizer. Geospatial analysis showed that 58% of the population (8.41 million people) lived more than a 2-hour drive from these facilities with the minimal complement of equipment and supplies to maintain an airway, resuscitation and sterility for surgical care (Figure 1b).

Interpretation: A significant proportion of the population in Zambia does not have access to safe and timely surgical care. Human resources, infrastructure and supplies within these facilities are limited and must be addressed to improve safe surgical access. Geospatial visualization tools provide a unique approach to identify key areas for improvement. This type of geospatial analysis can be used for health system planning across many countries and health services.

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Low rates of screening and treatment of chronic hepatitis B, C, D (HBV, HCV, HDV), and hepatocellular carcinoma (HCC), associated barriers, and proposed solutions: results of a survey of physicians from all major provinces of Mongolia

J. Esteve1, Y.A. Kim1, A. Le2, D. Israelski3, O. Baatarkhuu4, T. Sarantuya5, S. Narantsetseg5, P. Nyamadawu6, H. Le7, M.F. Yuen8, G. Dusheiko9, M. Rizzetto10, M.H. Nguyen11; 1Division of Gastroenterology and Hepatology at Stanford University, California, USA, 2Center for Innovation In Global Health at Stanford University, California, USA, 3Department of Infectious Diseases at Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia, 4Internal Medicine Department at United Family Intermed Hospital, Ulaanbaatar, Mongolia, 5The Third State Central Hospital of Mongolia, Ulaanbaatar, Mongolia, 6Public Health Branch, Mongolian Academy of Medical Sciences, Ulaanbaatar, Mongolia, 7Division of Gastroenterology and Hepatology at Queen Mary Hospital, Hong Kong, 8Royal Free Hospital and University College London School of Medicine in London, United Kingdom, 9Department of Gastroenterology at the University of Torino, Torino, Italy

Prevalence and correlates of intimate partner violence among women attending child health services, Enugu State, Nigeria- 2015

C. Ezieulu1, P. Njoku1, Abiola1, O. Fawose2, O. Akpa3; 1Nigerian Field Epidemiology and Laboratory Training Programmes, Abuja, Nigeria, 2University of Ibadan, Nigeria

Background: Intimate partner violence (IPV) is the major form of violence against women worldwide. It is estimated that one in every five women will experience some form of violence in their lifetime. The experience of violence during pregnancy has been linked to a number of negative health outcomes including preterm labour, ante partum haemorrhage, miscarriage and foetal death. This study determines the prevalence and correlates of intimate partner violence before and during pregnancy among women accessing child health services in Enugu State.

Methods: A cross-sectional survey of 702 women accessing child health services in secondary and primary health facilities in Enugu State, using a multi stage sampling technique was done. Quantitative and qualitative data collection methods were adopted to