

**Supplementary Table S1.** Partners In Health (PIH) support to obstetric unit of Koidu Government Hospital in 2016-2017.

**Comprehensive support provided to KGH by Partners In Health (PIH) in 2017**

1. Strengthened clinical accompaniment, service provision and mentorship in the obstetric unit. PIH supported the district with essential staff including 1 Obstetric-Gynecologist, 1 international Nurse-Midwife, 1 international nurse educator, 1 nurse anesthetist, 3 mid-level providers and 2 nurses. It was essential to add the anesthetist to ensure full availability at night and weekend throughout the year.
2. Conducted regular clinical trainings to obstetric staff
3. Developed a set of maternity protocols and job aides for standardization and improvement of care in areas where existing ministry of health and sanitation guidelines did not exist
4. Strengthened blood bank services and procured equipment, supplies and consumables necessary for blood donation campaigns
5. Provided essential infrastructure support, for example ensuring the availability of power supply
6. Supported the laboratory and pharmacy systems to ensure drugs and supplies for the maternity ward are available
7. Supported the execution of monthly Maternal Death Surveillance and Response meetings and other data review meetings
8. Supported roll out of quality improvement initiatives

\*These indications are often interrelated, hence they are mixed in our settings.