The graphs are extracts of a web-based Moving Epidemic Method application for determining the Influenza threshold in weeks. In 2018 week 46, surveillance shows that the start of the influenza epidemic was in week 8, through to week 36. The epidemic week 8 recorded 10 positive influenza cases from a total of 86, PCR processed samples thereby attaining a Medium Epidemic threshold in week 11, with an epidemic peak being identified in week 16 (medium threshold). The peak recorded a total of 22 positives from 77 PCR processed samples and it recorded a peak number of 12 positives from a total of 53 PCR processed samples in week 30. In contrast, the 2017 (as at Week 41) surveillance showed no epidemic start and had single Epidemic cycle. However, the start of the influenza epidemic was in week 48, which recorded a total of 12 positive influenza cases from a total of 51, PCR processed samples. While the epidemic peak was identified in week 52; with a total of 15 positives out of 63, PCR processed samples.

Note: The information can be correlated to the influenza data file in Excel for weekly reports.
Fig 3: A seasonal Influenza rates as @ week 46 in 2018, shows a steady influenza epidemic which started in week 7 and reached a Medium threshold in week 21 with its peak being in week 16. The flu epidemic period lasted for 10 weeks and the period showed two (2) cycles; a first in week 9 while a second cycle of the flu epidemic started in Week 25.

Fig 4: The 2017 seasonal Influenza rate as @ week 52 showed a steady flu epidemic which started in week 37 and reached a Medium threshold in week 49 with its peak being week 52. The flu epidemic period lasted for 9 weeks. This flu period showed only single flu cycle.

Fig 5: Positive influenza samples by subtypes (October in 2018). A random spread of influenza subtypes was seen throughout weeks, 1 – 43. A high number of subtypes B and H1N1 were detected at the beginning of the year [week 1 -19] while, the current prevalence shows a steady increase of positive flu subtype H3N2 [Week 21- 36] with a few flu b subtypes.

Fig 6: The Total samples Processed as of 23rd November 2018, is 2314. 318 (14%), are positives and 1996 (86%) negative samples. Flu Case Identification included a total of 918 (40%) ILI and 1043 (45%) SARI Cases classified.