Shewhart Chart Type and Specifications	When to enter the Epoch?	When to change phase within an Epoch?	When to leave the Epoch?
Epoch 1: Pre-exponential Growth ***C*-chart:** • Centerline and upper limits are calculated from the mean number of events up to the most recent data point. • Limits are updated up to the latest data point	**At the start of the epidemic when:** • At least 8 cumulative events have been reported *and* • At least 5 days with one or more events	***At least one of:*** • 2 consecutive points above the upper limit • 8 consecutive points above the centerline • 8 consecutive points below the centerline	**To Epoch 2 when:** • A phase change has been signaled and subsequent data indicate exponential growth
Epoch 2: Exponential Growth ***I*-chart:** • Sloping centerline and limits are calculated from a regression of the log-transformed events over time • Transform center line and limits back to the original scale • Freeze the limits after 21 days	**From Epoch 1, 3 or 4 when:** • A phase change has signaled *and* • The current data indicates exponential growth	***At least one of:*** • 2 consecutive points above the upper limit • 2 consecutive points below the lower limit • 8 consecutive points above or the centerline • 8 consecutive points below the centerline	**To Epoch 3 when:** *A phase change has been signaled by at least one of* • 8 points below the centerline • 2 consecutive points below the lover limit. *and at least one of:* • The current data indicates no exponential growth (plateau) • The current data indicates a downward slope in events (descent)
Epoch 3: Plateau or descent ***I*-chart:** • Sloping centerline and limits are calculated from a regression of the log-transformed events over time • Transform center line and limits back to the original scale • Freeze the limits after 21 days	**From Epoch 2 when:** • A phase change has signaled *and at least one of:* • The current data indicates no exponential growth (plateau) • The current data indicates a downward slope in events (descent)	***At least one of:*** • 2 consecutive points above the upper limit • 2 consecutive points below the lower limit • 8 consecutive points above or the centerline • 8 consecutive points below the centerline	**To Epoch 2 when:** • A phase change has been signaled by 8 points above the centerline or by two consecutive points below the upper limit. *and* • The current data indicates exponential growth **To Epoch 4 when:** • The lower limit <2 for reported deaths (proportional value for other events)
Epoch 4: Stability after descent ***C*-chart:** • Centerline and upper limits are calculated from the mean number of events up to the most recent data point. • Limits are updated up to the latest data point	**From Epoch 3 when:** • The lower limit <2 for reported deaths (proportional value for other events)	***At least one of:*** • 2 consecutive points above the upper limit • 8 consecutive points above or below the centerline	**To Epoch 2 when:** • A phase change has been signaled and current data indicate exponential growth

Table 1: Epoch chart type and specifications and criteria for entering, changing phase and leaving