**Examples of Errors in Interpretation of a Control Chart**

Take a look at this chart and the interpretation that follows it. Then look at the comments I have made about errors in the text.

This shows that over time UVA’s mortality rate for patients with heart failure declined over time, which is good because having less patients die is optimal. When compared to VCU’s hospital and INOVA Fairfax hospital, UVA does not perform exceptionally better or worse than them. UVA falls in between the limits of VCU’s hospital and INOVA Fairfax hospital.

Here is another example. See the chart then read the interpretation and finally see my comments on the interpretation.

This shows that from the year 2020 to 2021, UVA’s hospital has had an increase in unplanned hospital visits for patients with heart failure patients. This means that there was an increase in the 30-day readmission rate for heart failure patients. An increase in unplanned visits are not optimal because this would want to be avoided. Additionally, when compared to VCU and INOVA Fairfax, in the year 2021, UVA almost had more unplanned visits than the other two.

Finally, here is a third chart, its interpretation and my corrections.

This chart shows that when compared to VCU and INOVA Fairfax hospitals, that UVA hospital has a significantly higher rate of excess readmission rates for patients with heart failure. This would not be optimal because lowering excess readmission rates would be optimal.