Perioperative RHR Pattern – Wearable Clustering Cohort RHR Patterns by Wearable Clustering Groups Steps <=1 only | n = 11 patients from clustering analysis Comparison between different clustering groups (Steps <=1) Cluster 1 Cluster 2 Clusters 80 80 Baseline RHR Mean RHR (bpm) Mean RHR (bpm) 70 70 65 65 Pre 10 all Predi Pro Josh Prodi Time Period Time Period Error bars show standard error | Red line = baseline RHR Error bars show standard error | Colors represent clustering groups **RHR Distribution by Clustering Groups and Time RHR Differences Between Clustering Groups** Boxplots show quartiles and outliers for each cluster Cluster 2 – Cluster 1 (positive = Cluster 2 higher) Wearable Clusters Cluster 1 Cluster 2 Higher RHR Cluster 1 > Cluster 2 Cluster 2 > Cluster 1 0.2 95 -0.1-0.3 -0.9 85 -1.0 -0.9 RHR Difference (bpm) Mean RHR (bpm) -3.0 65 55 -Proldall Time Period Time Period Red line = baseline RHR | Colors represent clustering groups Values show exact differences in bpm Pre-surgery vs Post-surgery RHR by Clustering Groups **RHR Change by Clustering Groups** Wearable clustering cohort (n = 11 patients) Pre-surgery to Post-surgery RHR change comparison Clustering Cluster 1 Cluster 2 5.0 Post-surgery Mean RHR (bpm) RHR Change (bpm) 60 -2.570 Cluster 1 90 Cluster 2 Pre-surgery Mean RHR (bpm) **Clustering Groups** Red line = no change; Colored lines = fitted trends by cluster Red line = no change; Points show individual patients