

Supplementary Table. Chi-square Calculations:

Chi-Squared formula:

$$\chi^2 = \sum \frac{(O-E)^2}{E}; \text{Where } O \text{ is observed values and } E \text{ is expected values. } E =$$

$$\frac{\sum \text{Observed Values}}{\text{Number of categories}}$$

The Following **Baseline** Chi-Squared data is shown:

Chi Square calculations of p-value of Patients in Therapeutic Range at Baseline (Clopidogrel vs Ticagrelor)		
	Observed values	Expected value
Clopidogrel TR at baseline	23	14
Ticagrelor TR at baseline	5	14
P-value	0.001	
Chi Square calculations of p-value of Patients in HPR at Baseline (Clopidogrel vs Ticagrelor)		
	Observed values	Expected value
Clopidogrel TR at baseline	18	9.5
Ticagrelor TR at baseline	1	9.5
P-value	<0.0001	
Chi Square calculations of p-value of Patients in LPR at Baseline (Clopidogrel vs Ticagrelor)		
	Observed values	Expected value
Clopidogrel TR at baseline	7	26.5
Ticagrelor TR at baseline	42	26.5
P-value	<0.0001	

The Following **Steady State** Chi-Squared data is shown:

Chi Square calculations of p-value of Patients in Therapeutic Range at Steady State (Clopidogrel vs Ticagrelor)		
	Actual values	Expected value
Clopidogrel TR at baseline	21	13
Ticagrelor TR at baseline	5	13
P-value	0.002	
Chi Square calculations of p-value of Patients in HPR at Steady State (Clopidogrel vs Ticagrelor)		
	Actual values	Expected value
Clopidogrel TR at baseline	15	8
Ticagrelor TR at baseline	1	8
P-value	0.0005	
Chi Square calculations of p-value of Patients in LPR at Steady State (Clopidogrel vs Ticagrelor)		
	Actual values	Expected value
Clopidogrel TR at baseline	14	29
Ticagrelor TR at baseline	44	29
P-value	<0.0001	