

### **9 29553-Biostatistics statement**

Statistical analysis was performed by statistician. Data was analyzed using STATA SE version 11.

*Statistical analysis:* Frequencies and percentages were used to describe baseline data, overall hospital and ICU mortality. Hospital mortality for the two groups, with HAI and without HAI, was calculated. Continuous variables (APACHE II score, cost and ICU and hospital length of stay) were expressed as mean (Standard deviation (SD)) if data was normally distributed. Where data was not normally distributed (e.g. treatment cost), it was expressed as median with interquartile range (IQR). Chi-square tests were used to compare proportions. In order to study the impact of HAI on mortality, it was decided to adjust for disease severity and other potential confounders *if* mortality was significantly different between those who developed infection versus those who did not develop infection.

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