|  |  |  |
| --- | --- | --- |
| Organism | Positive risks | Negative risks |
| *E. coli* | No dentures\* Male\*\*\* Current smoking\*\*\*  | Few teeth\*\* Barthel index (more frail)\*\*\* |
| *S. pneumoniae* | Female\* More teeth\*\*\* Current smoking\*\*\* | Clinical frailty score (less frail)\* Charlson index (fewer serious illnesses)\* Deprivation score (less deprived) |
| *H. influenzae* | Dentures (complete) \*\* Female\*\*Deprivation score (more deprived)\*\* | Age (younger)\*\* Barthel score (more frail)\*\*\* |
| *S. aureus* | Charlson index\*\* Admission plaque (higher)\* Barthel index\* Male\*\* Current smoking\*\* | Low deprivation score |
| MRSA | Age\* Charlson index\*Current or ex smoker\* Barthel index (less frail)\* | N/A |

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001 Note: The final medical models for *E. coli* and *Acinetobacter* were underdispersed, and are not shown. No significant associations were found for *P. aeruginosa* (either model) or *Acinetobacter* spp (dental model).