| $\downarrow$ hrs (less than 7) or (greater than 9) mortality risk $\uparrow$ | - Suggested 7-9 hrs of sleep / adult <br> - $\downarrow$ hrs, mortality risk $\uparrow$ <br> - Min required-7h <br> - $\downarrow$ sleep, mortality risk $\uparrow$ <br> - Relationship not linear <br> - $\uparrow$ hrs (over 9), mortality risk $\uparrow$ <br> - Longest time an individual (without sleep) $=11$ days <br> 2 perspectives <br> - 1) illness triggers more hrs of sleep <br> - 2) poor sleep quality, $\uparrow$ mortality |
| :---: | :---: |
| - Society encourages less sleep (more productivity) <br> - Sleep $=$ key for health, outside the 7-9 hrs impacts our health |  |

