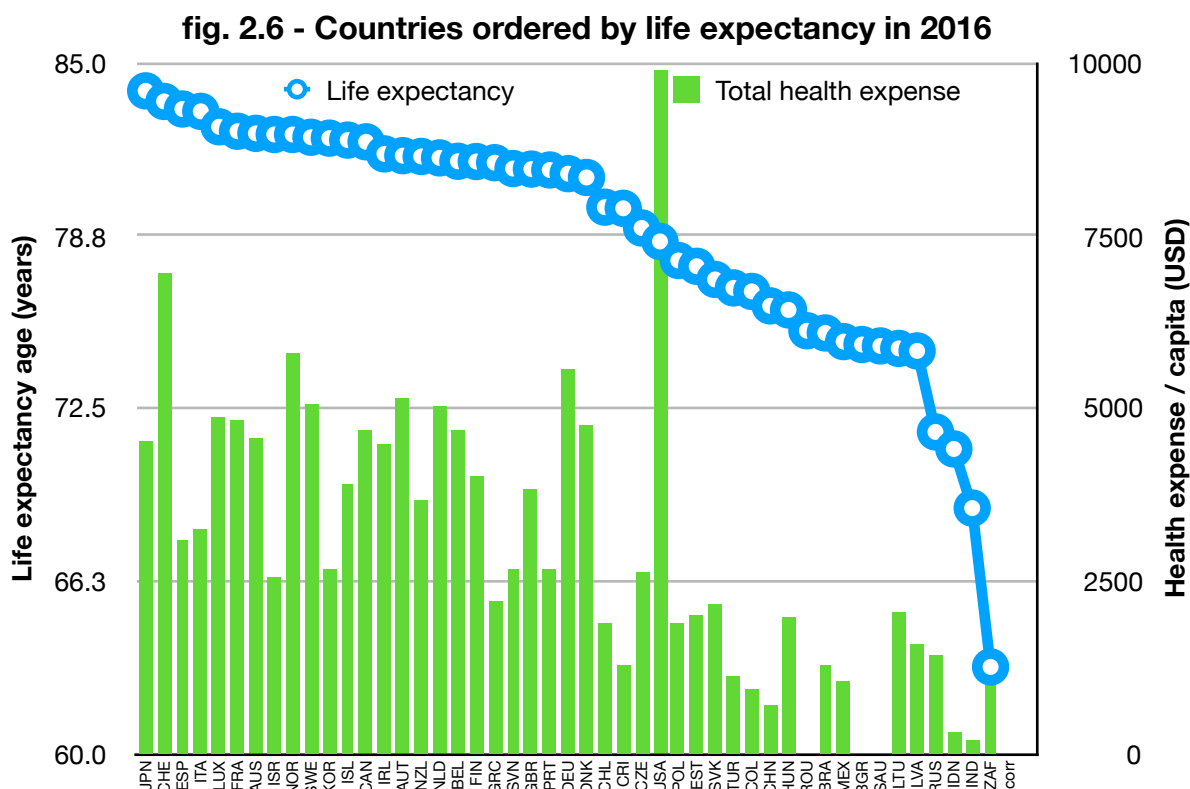


What makes countries having longer life expectancy than others?

Relation between life expectancy and health expense / capita

The **correlation coefficient** between life expectancy and health expense is **0,62 (high)**. Therefore, the higher the health expense in a country, the higher life expectancy.



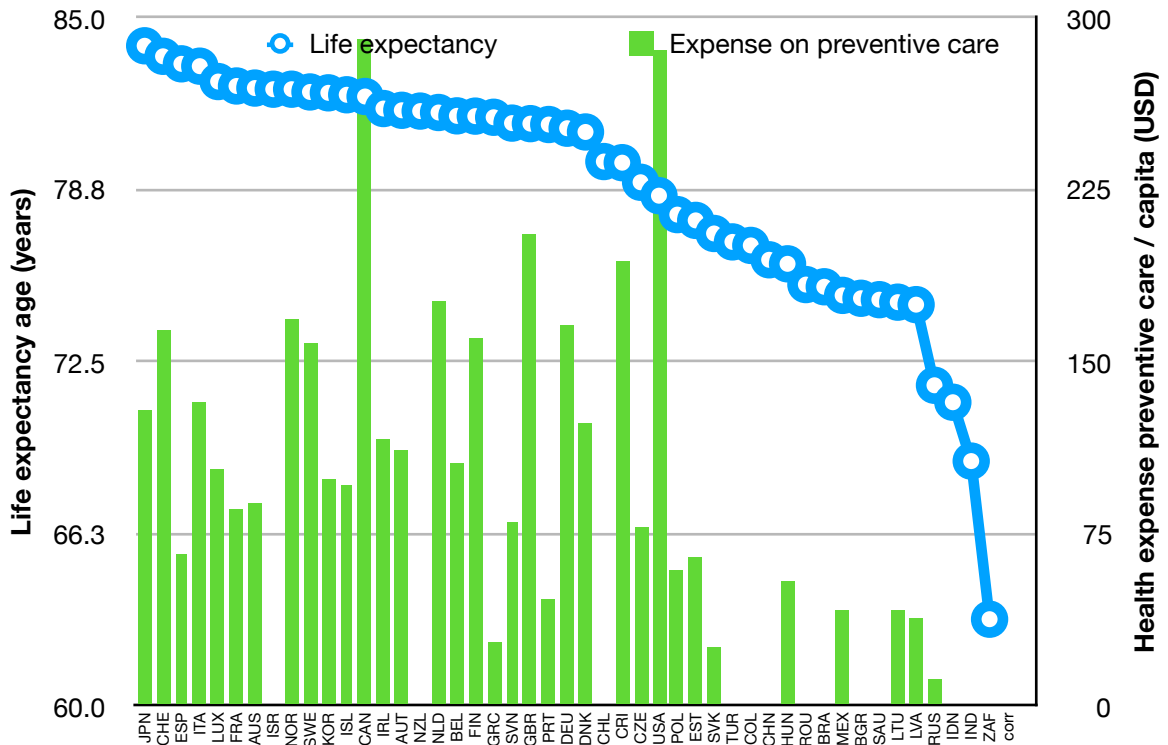
More comments: Although the correlation coefficient is not very high, we can see a fair relation between health expense / capita in a country and the life expectancy. Therefore, health expense is important and leads to a longer life of the population.

However, the correlation is lower if we consider the parts of the health expense under the categories of preventive care and long-term care. It seems less clear that high expense in these categories lead to a longer life in the countries.

Data source: OCDE <https://data.oecd.org/>;
 The World Bank <https://data.worldbank.org/>;
 FAO <http://www.fao.org/faostat/en/#data/FBS>

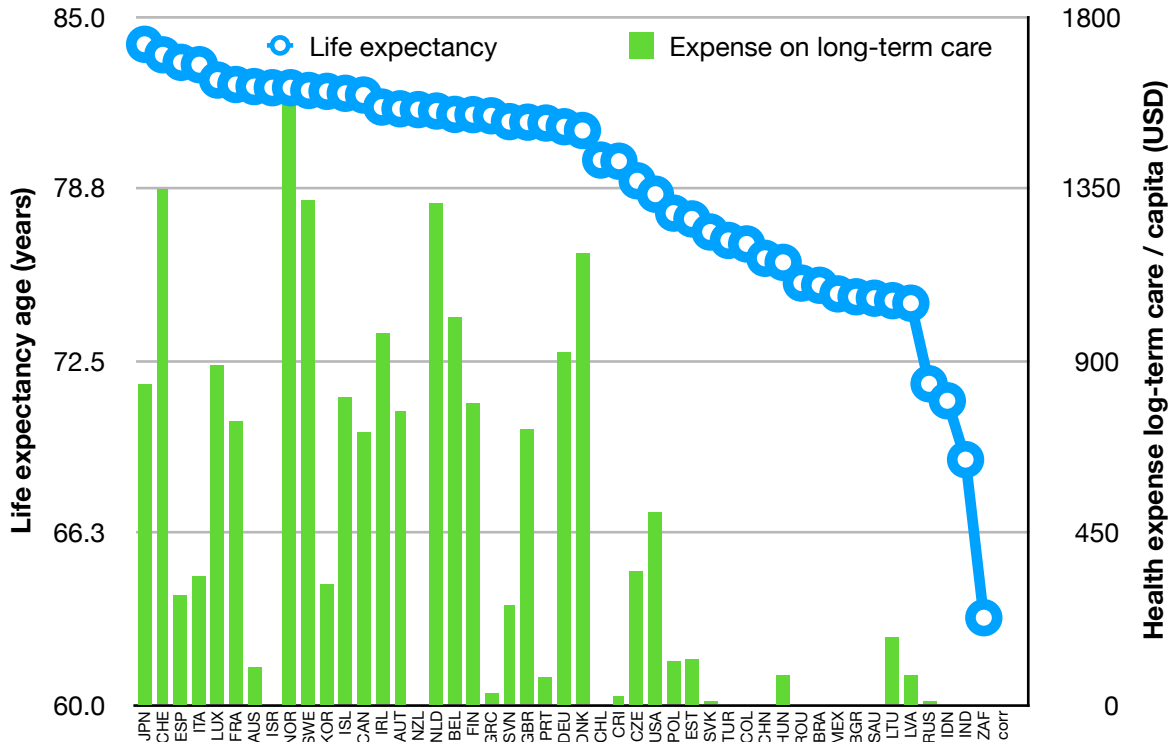
The **correlation coefficient** between life expectancy and expense on preventive care is **0,46 (medium)**.

fig. 2.7 - Countries ordered by life expectancy in 2016



The **correlation coefficient** between life expectancy and expense on log-term care is **0,56 (medium)**.

fig. 2.8 - Countries ordered by life expectancy in 2016



Data source: OCDE <https://data.oecd.org/>;
 The World Bank <https://data.worldbank.org/>;
 FAO <http://www.fao.org/faostat/en/#data/FBS>