

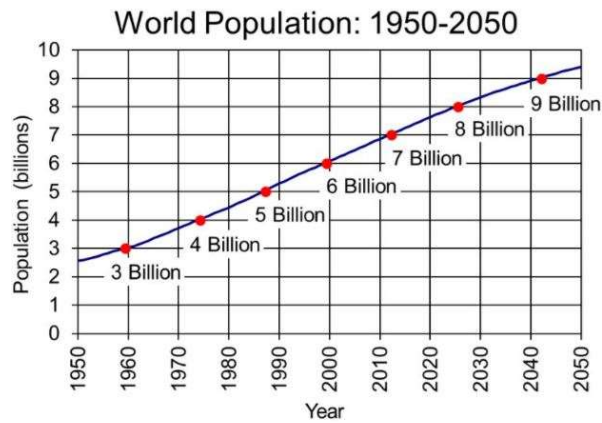
# INTRODUCTION

## Appendix

### Population Projections

**Figure 1**

World Population Projection: 1950 – 2050



Source: U.S. Census Bureau, International Data Base, August 2017 Update.

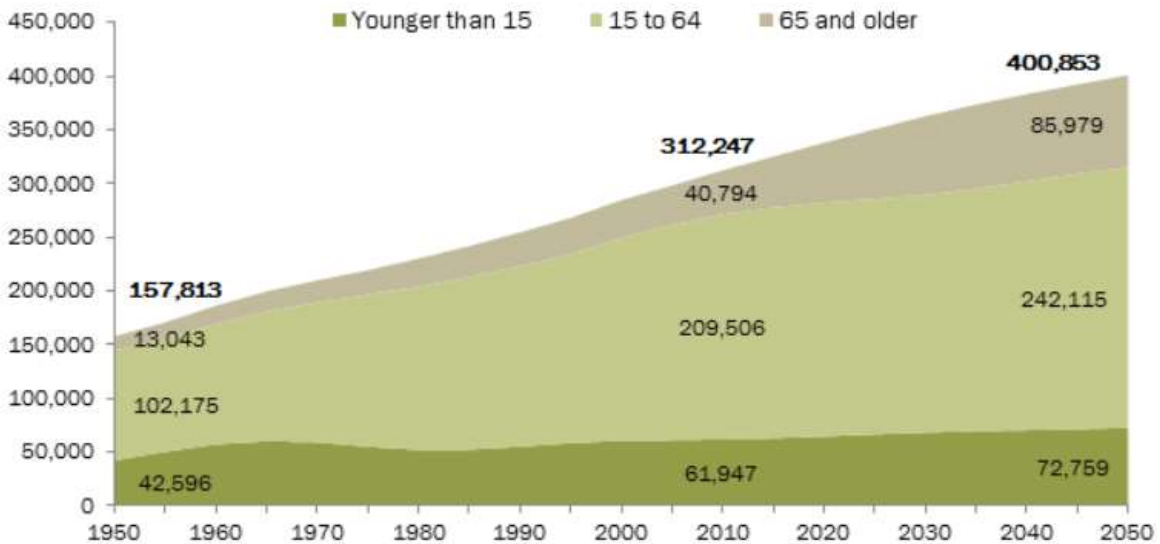
Source: U.S. Census Bureau, International Data Base, August 2017 Update

**Figure 2**

U.S. Population by Age, 1950 - 2050

**Estimates of the U.S. Population, by Age, 1950 to 2050**

Thousands



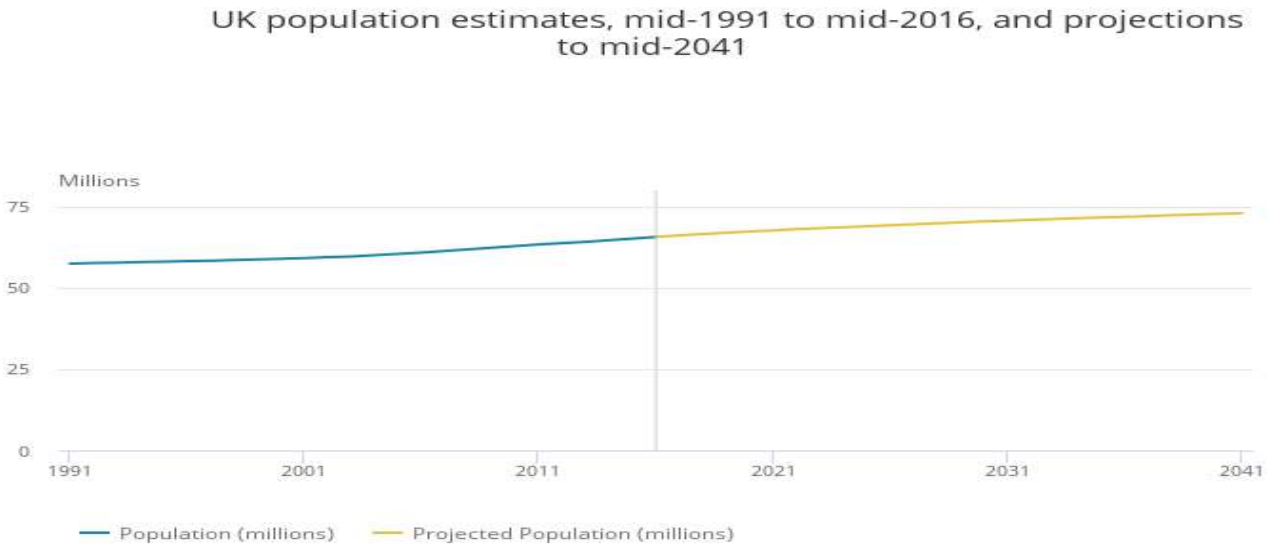
Source: United Nations, Department of Economic and Social Affairs, *World Population Prospects: 2012 Revision*, June 2013, <http://esa.un.org/unpd/wpp/index.htm>

Source: <http://www.pewglobal.org/2014/01/30/chapter-4-population-change-in-the-u-s-and-the-world-from-1950-to-2050/>

For year-by-year U.S. Census projections in table form, see <https://view.officeapps.live.com/op/view.aspx?src=https://www2.census.gov/programs-surveys/popproj/tables/2014/2014-summary-tables/np2014-t1.xls>. Unfortunately, the graph of 2015 – 2060 midrange U.S. population projections, prepared by Statista, is copyrighted. The link is <https://www.statista.com/graphic/1/183481/united-states-population-projection.jpg>.

### Figure 3

Projected U.K. Population, Midrange, 2004 – 2041



Source: Office for National Statistics

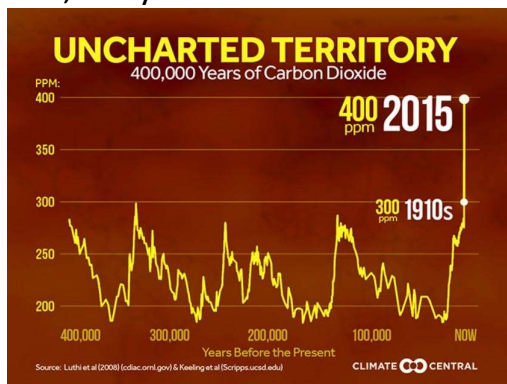
Source:

<https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationprojections/bulletins/nationalpopulationprojections/2016basedstatisticalbulletin>

## Climate Change

### Figure 4

400,000 years of CO<sub>2</sub> Concentrations



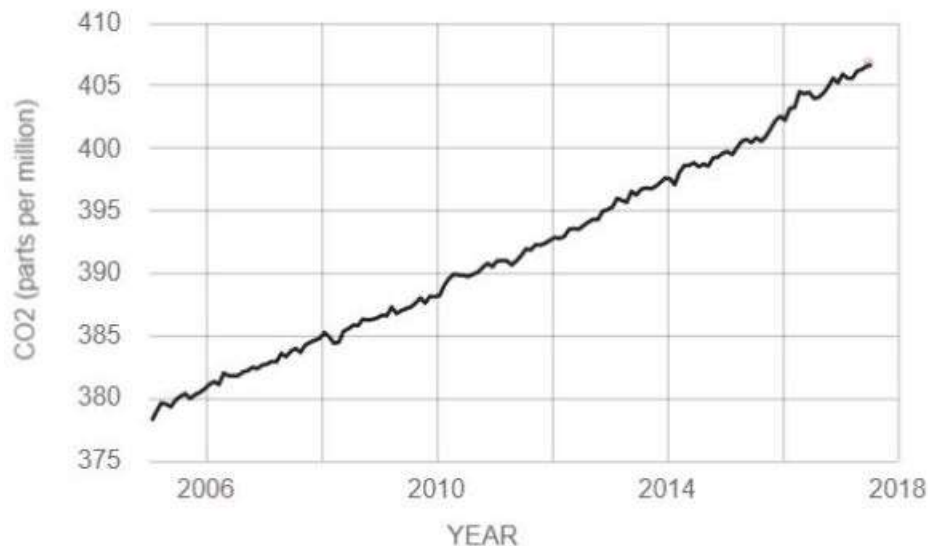
Source: <https://climate.nasa.gov/vital-signs/carbon-dioxide/>. Retrieved, 1-31-2018

### Figure 5

Global Carbon Dioxide Concentrations, parts per million, 2006 - 2018

#### DIRECT MEASUREMENTS: 2005-PRESENT

Data source: Monthly measurements (average seasonal cycle removed). Credit: NOAA

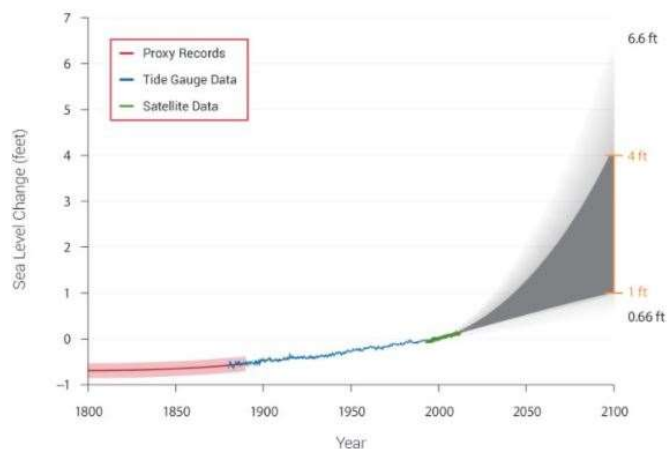


Source: <https://climate.nasa.gov/vital-signs/carbon-dioxide/> Retrieved: 1-31-2018

### Figure 6

Projected Sea Level Rise, 1800 – 2100

Figure 2.26 Past and Projected Changes in Global Sea Level Rise



Source:

[https://www.google.com/imgres?imgurl=https://nca2014.globalchange.gov/sites/report/files/images/web-large/CS\\_SLR-](https://www.google.com/imgres?imgurl=https://nca2014.globalchange.gov/sites/report/files/images/web-large/CS_SLR-)

[scenarios\\_v8.png&imgrefurl=https://nca2014.globalchange.gov/report/our-changing-climate/sea-level-rise&h=600&w=850&tbnid=3cUU9sUPLvNM:&tbnh=149&tbnw=211&usq=lvNMKrDgYM1F4rsDgYLIOrseq0%3D&vet=10ahUKEwjv0baFkYPZAhUV72MKHXvVAeoQ9QEILTAA..i&docid=JHgk8PSgo5xWtM&sa=X&ved=0ahUKEwjv0baFkYPZAhUV72MKHXvVAeoQ9QEILTAA](https://nca2014.globalchange.gov/report/our-changing-climate/sea-level-rise&h=600&w=850&tbnid=3cUU9sUPLvNM:&tbnh=149&tbnw=211&usq=lvNMKrDgYM1F4rsDgYLIOrseq0%3D&vet=10ahUKEwjv0baFkYPZAhUV72MKHXvVAeoQ9QEILTAA..i&docid=JHgk8PSgo5xWtM&sa=X&ved=0ahUKEwjv0baFkYPZAhUV72MKHXvVAeoQ9QEILTAA)

Retrieved: 1-31-2018