

# DRUG DESIGN METHODS

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# Drug Molecules

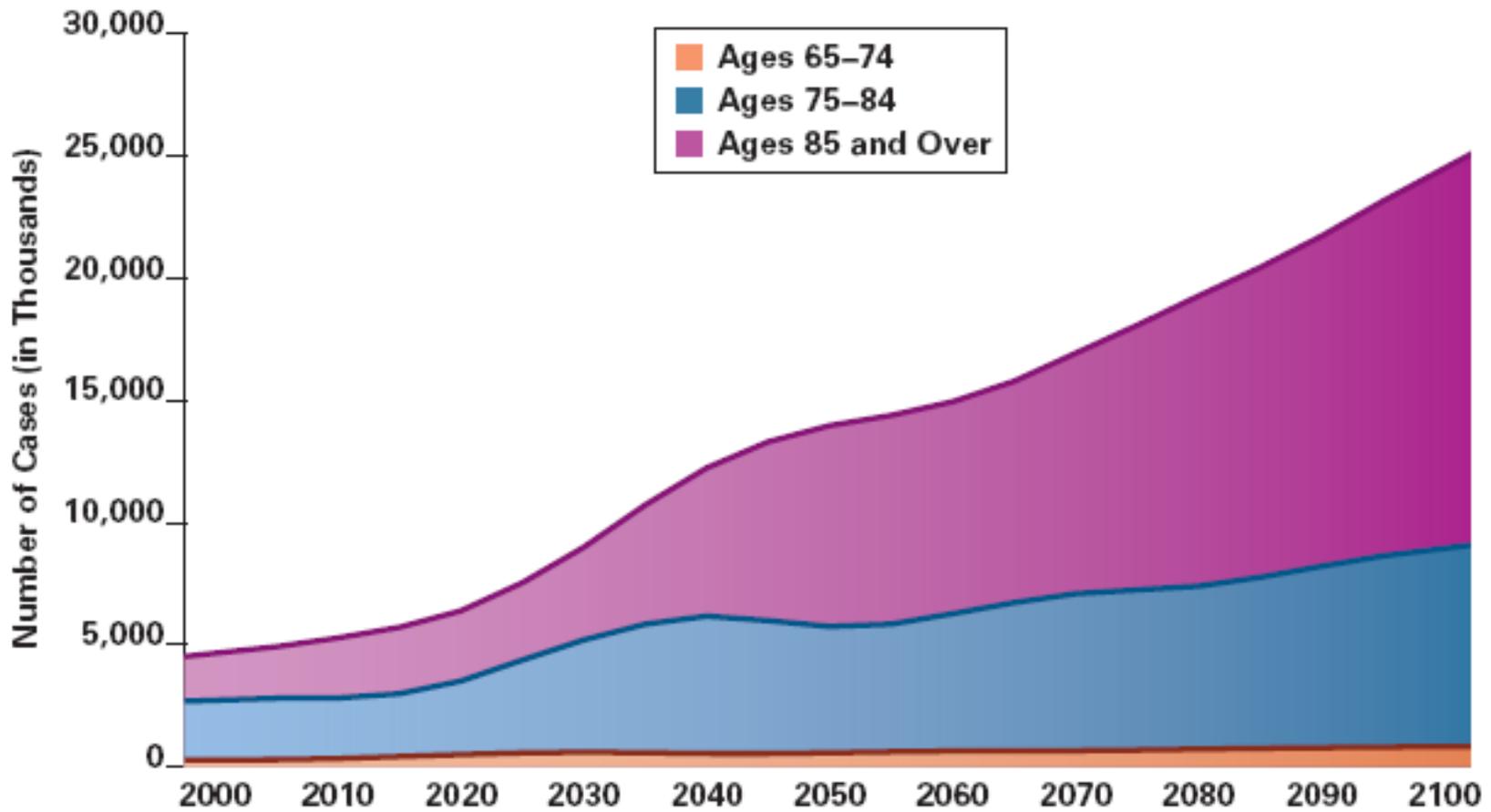
**Drug molecules are obtained by synthesizing the compounds or from natural sources which the structures are known to prevent, treat, cure, or identify the diseases of human beings and animals.**

**There are;**

**❖ Over 5000 compounds**

**❖ Over 20,000 drugs in the market as  
pharmaceutical products**

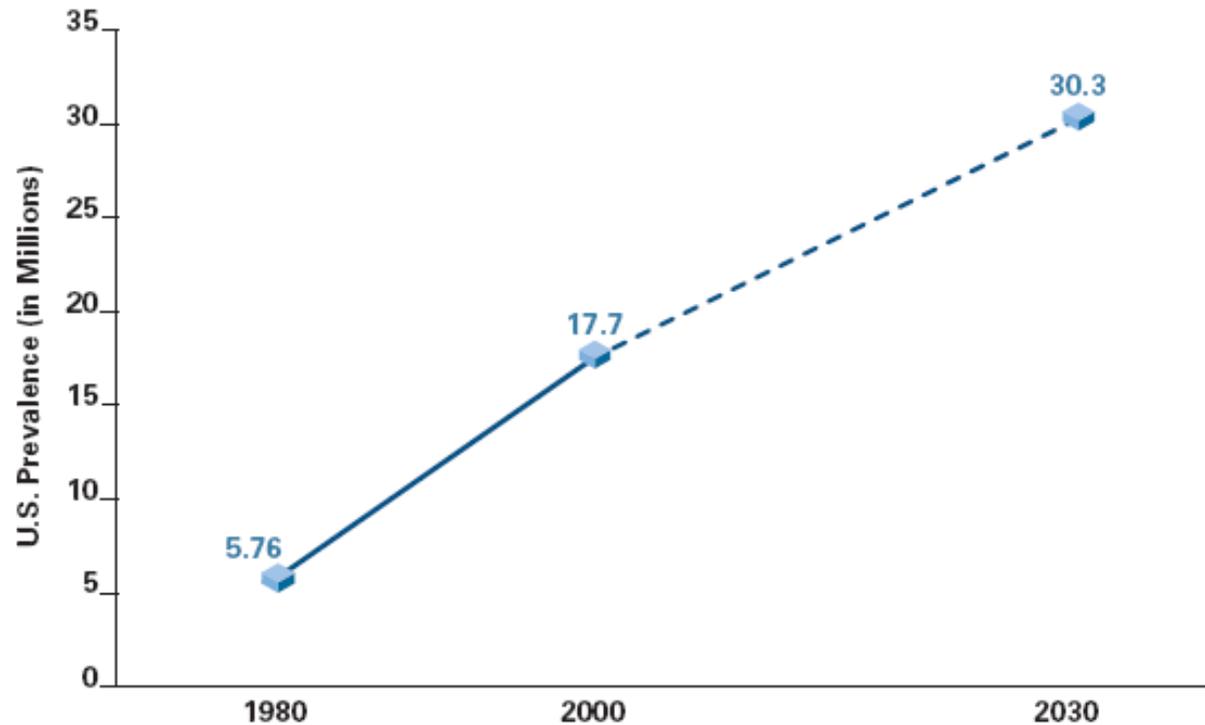
# Alzheimer Disease 2000-2010



\*PhRMA projections calculated by applying current prevalence rates to population projections.

# Chronic Diseases

- *Diabetics 2000-2030*



Data sources: Wild et al.<sup>4</sup>; Centers for Disease Control and Prevention<sup>5</sup>