



“Aging, Society, & You”

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&

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ACKNOWLEDGEMENTS



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My Generation



- [http://
www.youtube.com/watch?v=zqfFrCU
rEbY](http://www.youtube.com/watch?v=zqfFrCUrEbY)



- Age, like death (& taxes), is in our guts. It is one thing we can be 100% sure of.
- “Old age is still new.”
 - — Naomi Feil
- Youth is a Gift of Nature
Age is a Work of Art
 - Chinese Proverb

Longevity Revolution Video



- [http://
www.youtube.com/watch?v=dWUw3
ZLrJ08](http://www.youtube.com/watch?v=dWUw3ZLrJ08)

The Age Wave



The Longevity Revolution



What have you heard?





Variations on Extending Life

Life Span: defined as the longest number of years any member of a species has been known to survive.

Life Expectancy: the average number of years people in a given population can expect to live, or more precisely, the mean age at death.

Madame Jeanne Calmont



“Elevator” Facts



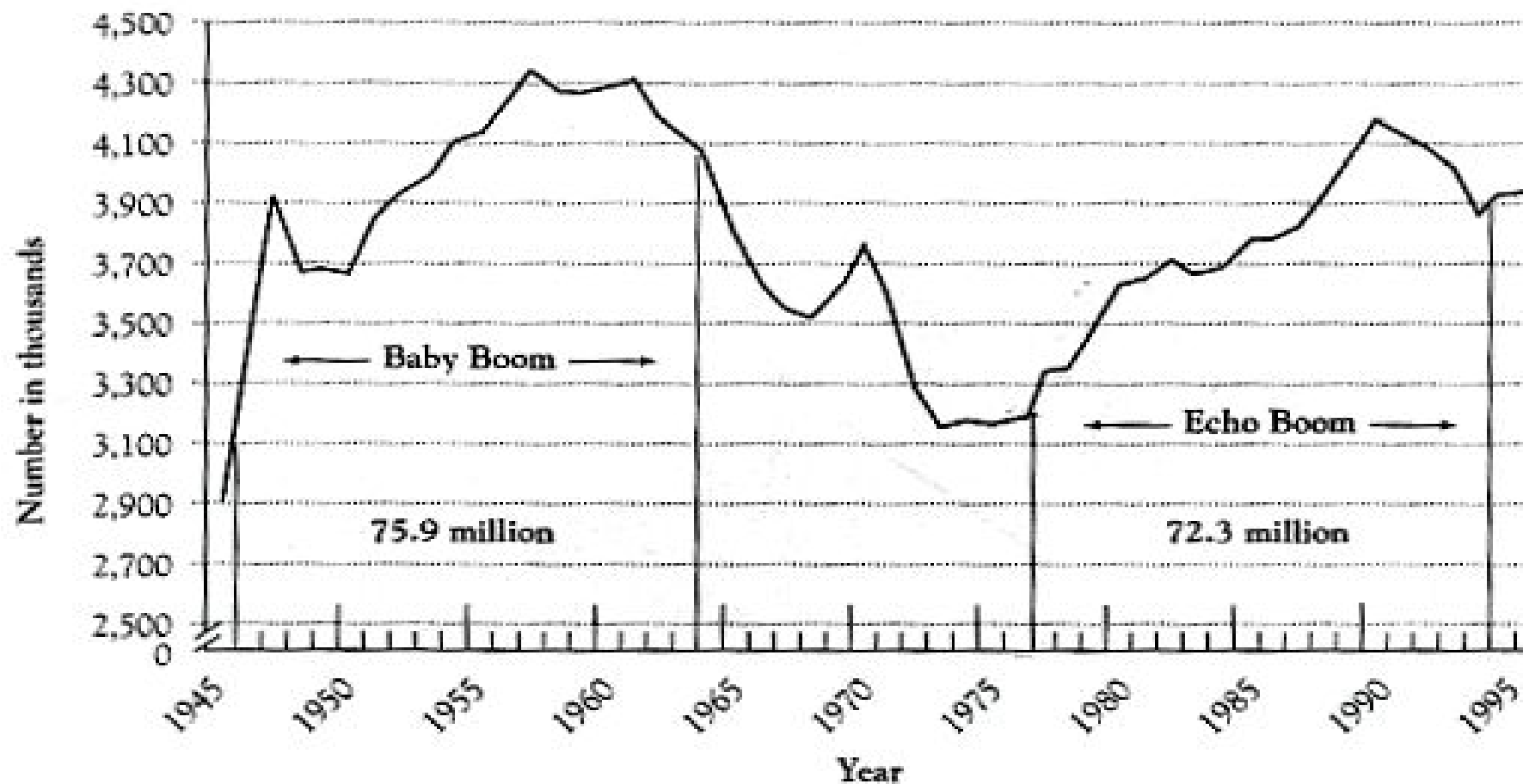
- NOW: Over one in every eight, or 13.3% , of the population is an older American.
- PROJECTED: By 2030: Almost 1/5 (19%) of Americans will be over 65 – look like Florida
- NOW: Persons reaching age 65 have an average life expectancy of an additional 19.2 years (20.4 years for females and 17.8 years for males).
- Baby Boomers: 1945-1964-- Every eight seconds a baby boomer turns 50 (U.S. Census Bureau, 1996)
- NOW: The number of people today aged 60 and over has doubled since 1980.
- PROJECTED: The number of people aged 80 years will almost quadruple to 395 million between now and 2050.

BOOM!!!.....:..Boom!!!



Figure 4-5

Number of Live Births in the United States, 1945-1995.



Source: Jil Quadagno, 3rd ed., 2004, p.82

AGING 101



- Age is only a number
 - Functional, psychological, social
- 65 and older is arbitrary
 - Policy
- Growth of 65+ population
- Projections of 65+ populations

Definitions of Age



- Chronological Age
- Social Age
- Functional Age
- Subjective Age

“Statistics Don't Lie”

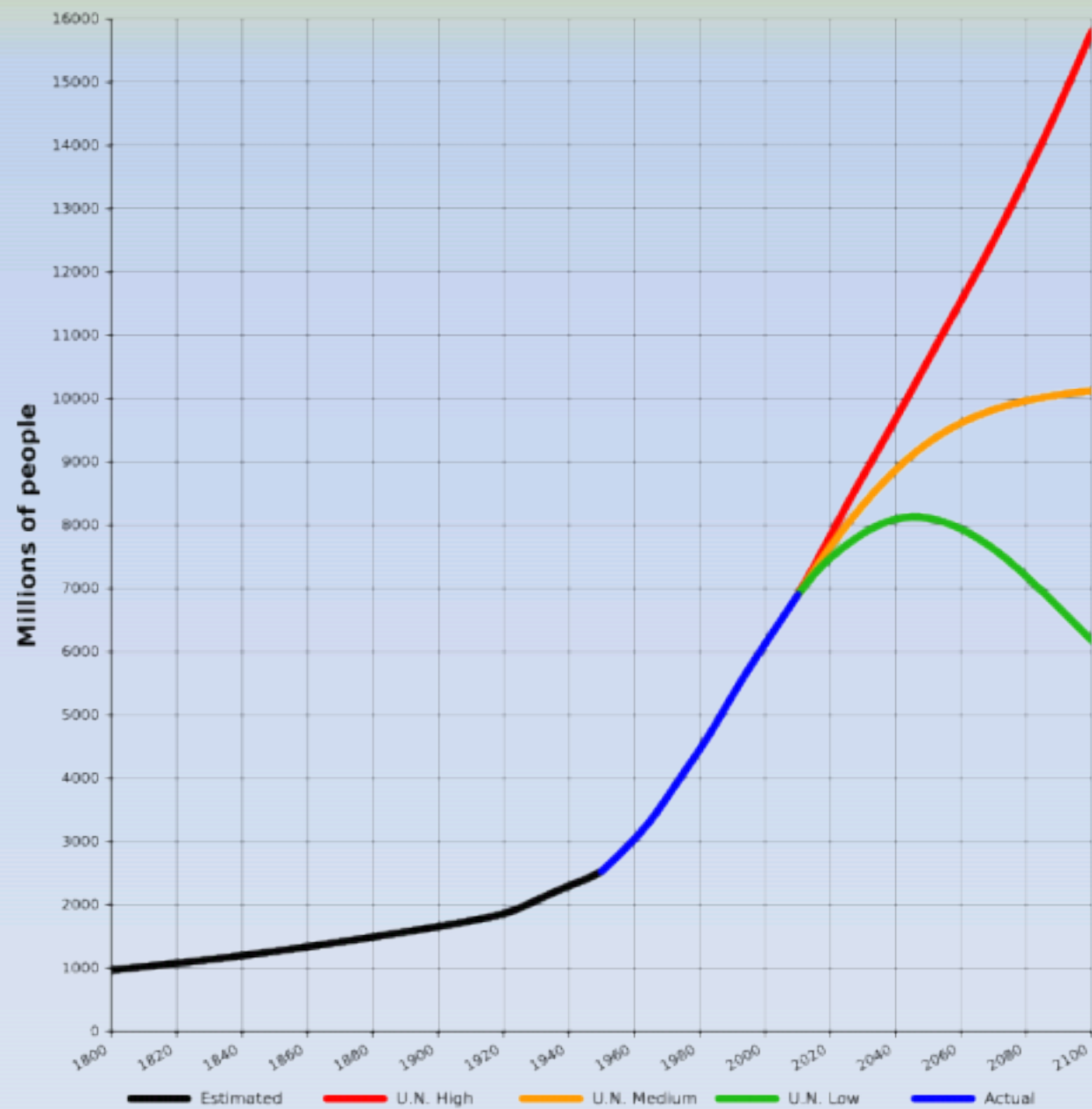


- Number “soup”
 - Number
 - Proportion
 - Rate



- Incomplete picture of aging population from numbers alone

Total Population Growth in Numbers



Source: <http://en.wikipedia.org/wiki/File:World-Population-1800-2100.svg>

“Statistics Don't Lie”

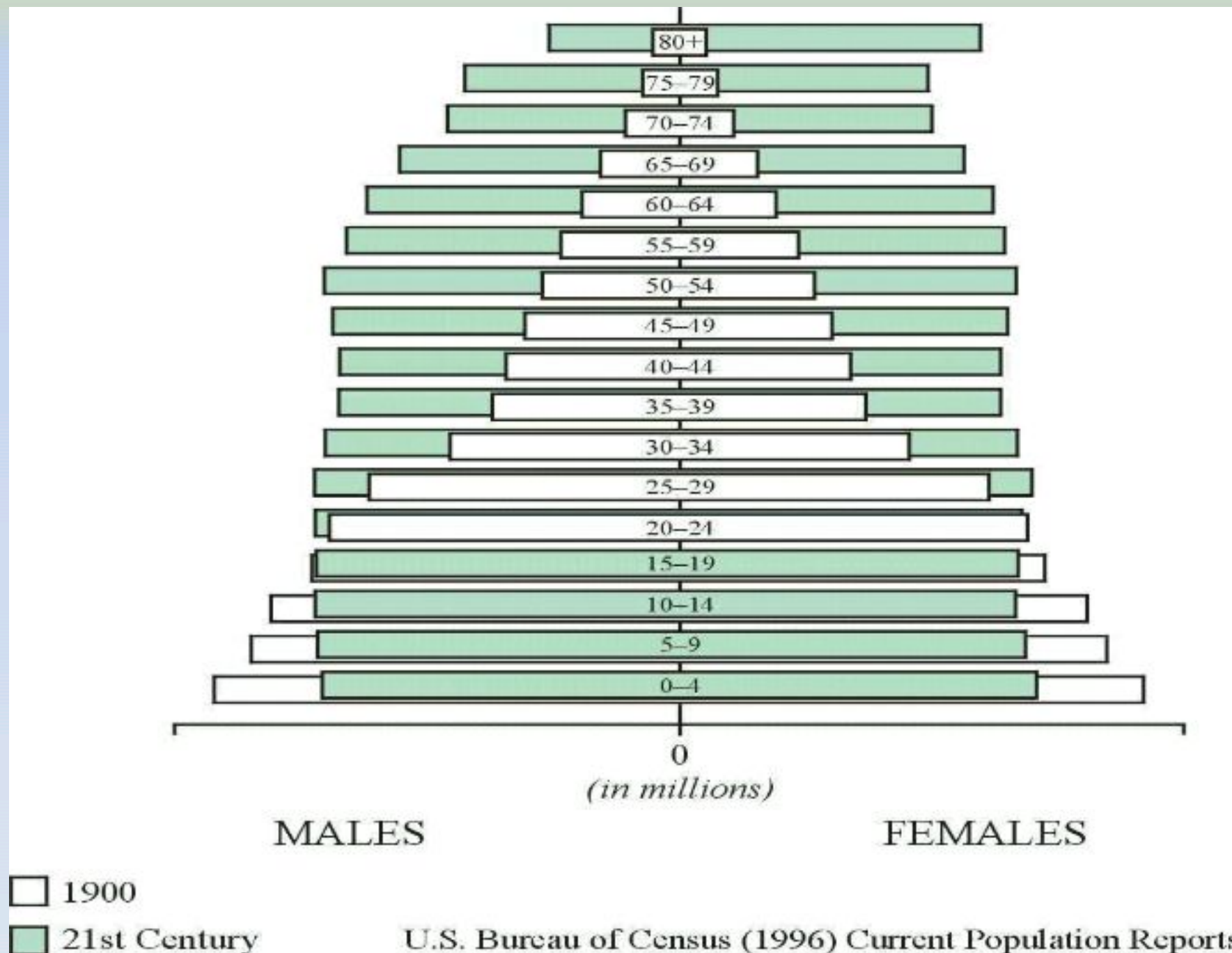


- Brainstorm
- Number “soup”
 - Number
 - Proportion
 - Rate
- Incomplete picture of aging population from numbers alone





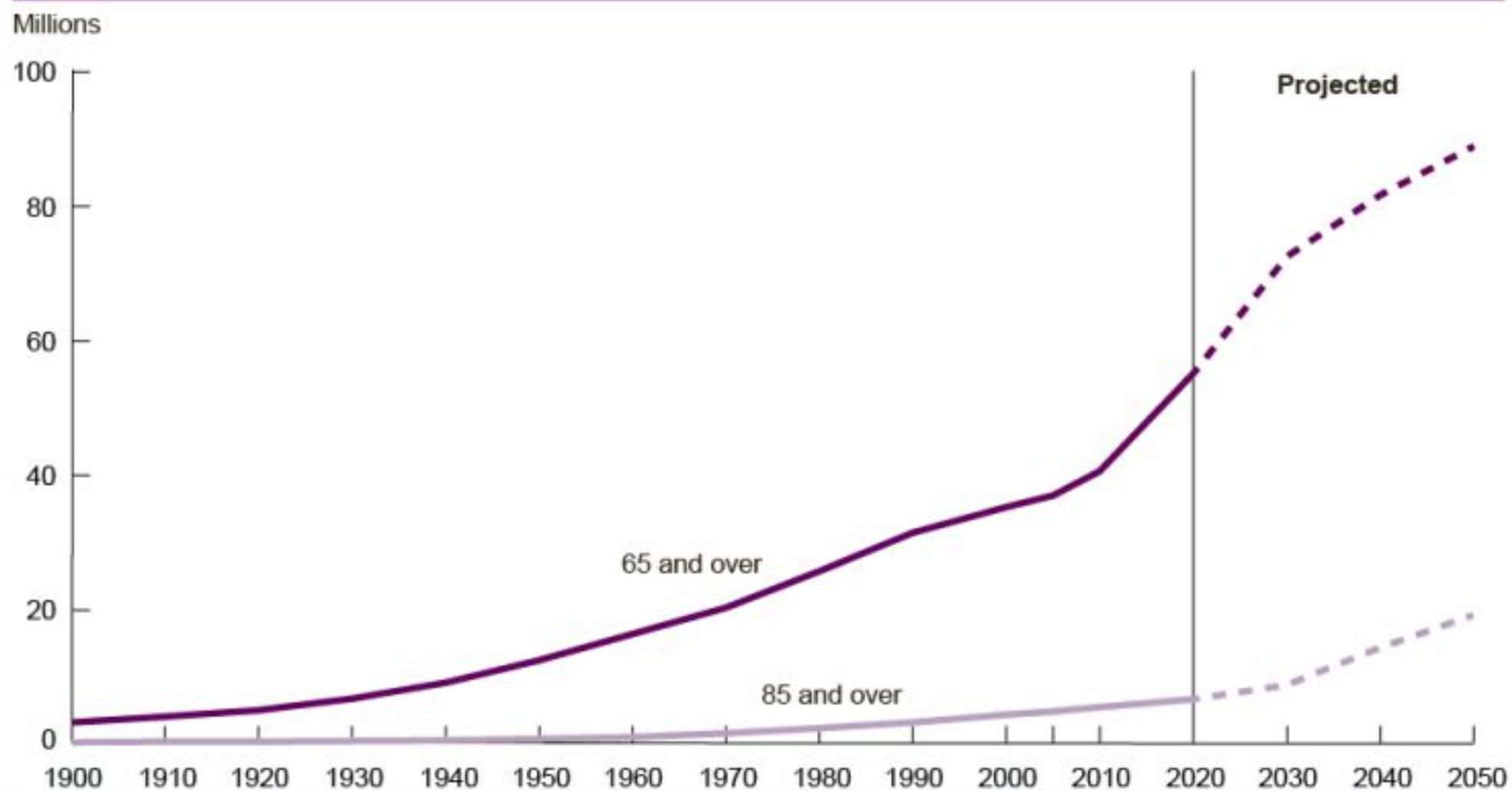
The USA: Two Population Pyramids



Number of Older Americans



Population age 65 and over and age 85 and over, selected years 1900–2010 and projected 2020–2050



NOTE: These projections are based on Census 2000 and are not consistent with the 2010 Census results. Projections based on the 2010 Census will be released in late 2012.

Reference population: These data refer to the resident population.

SOURCE: U.S. Census Bureau, 1900 to 1940, 1970, and 1980, U.S. Census Bureau, 1983, Table 42; 1950, U.S. Census Bureau, 1953, Table 38; 1960, U.S. Census Bureau, 1964, Table 155; 1990, U.S. Census Bureau, 1991, 1990 Summary Table File; 2000, U.S. Census Bureau, 2001, *Census 2000 Summary File 1*; U.S. Census Bureau, Table 1: Intercensal Estimates of the Resident Population by Sex and Age for the U.S.: April 1, 2000 to July 1, 2010 (US-EST00INT-01); U.S. Census Bureau, 2011. *2010 Census Summary File 1*; U.S. Census Bureau, Table 2: Projections of the population by selected age groups and sex for the United States: 2010–2050 (NP2008-t2).



Table 1c. Population of countries or areas with at least 10 percent of their population age 65 and over, 2010

Country or Area	Population (number in thousands)		Percent 65 and over
	Total	65 and over	
Japan	127,579	29,103	22.8
Germany	81,644	16,803	20.6
Italy	60,749	12,206	20.1
Russia	139,390	18,516	13.3
Hong Kong	7,090	946	13.3
United States*	308,746	40,268	13.0
New Zealand	4,252	552	13.0

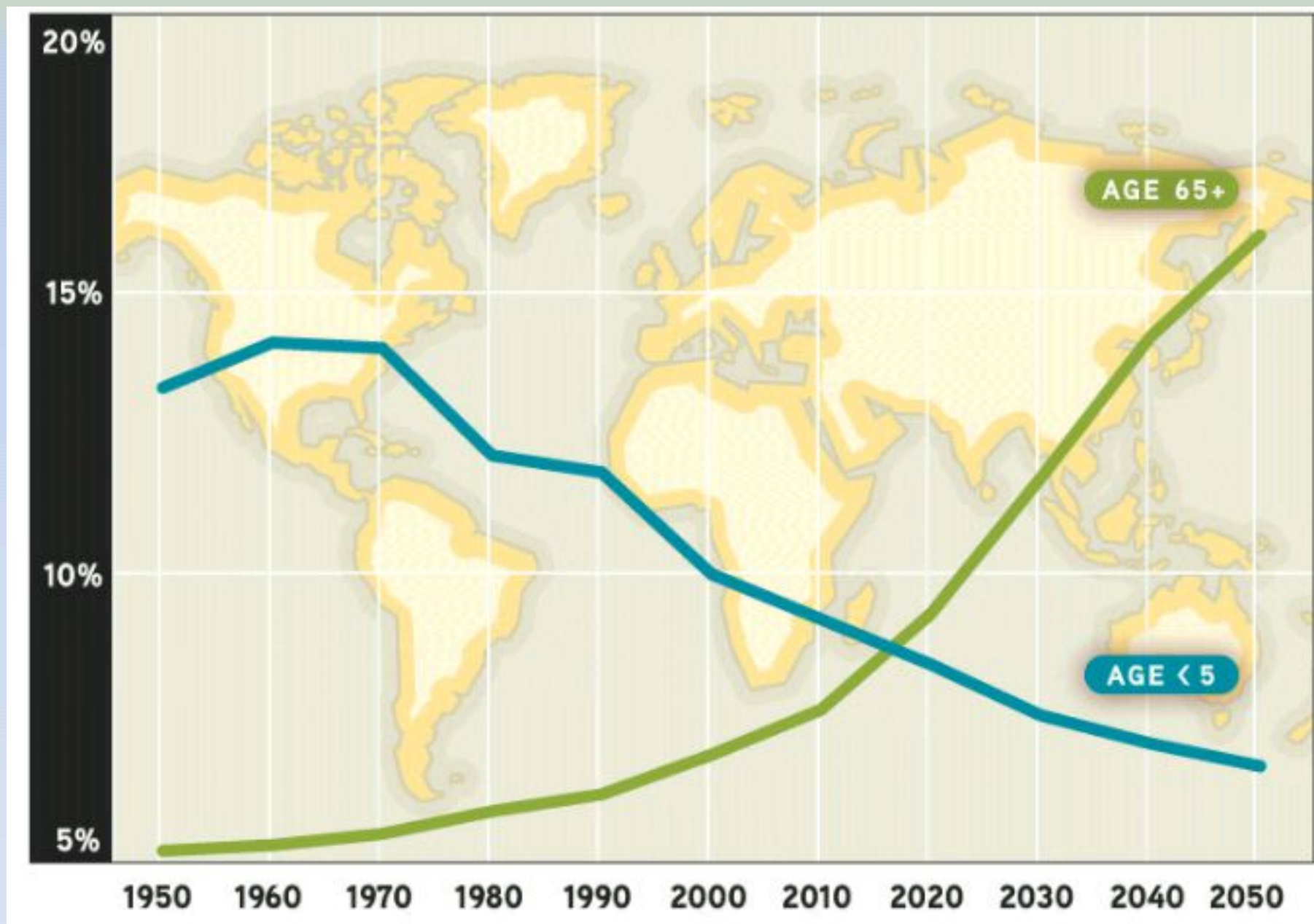
* These data are from the 2010 Census, not from the International Data Base.

NOTE: Table excludes countries and areas with less than 1,000,000 population.

SOURCE: U.S. Census Bureau, International Data Base, accessed on December 19, 2011;

U.S. Census Bureau, *2010 Census Summary File 1* .

Aging Population Growth in Percent

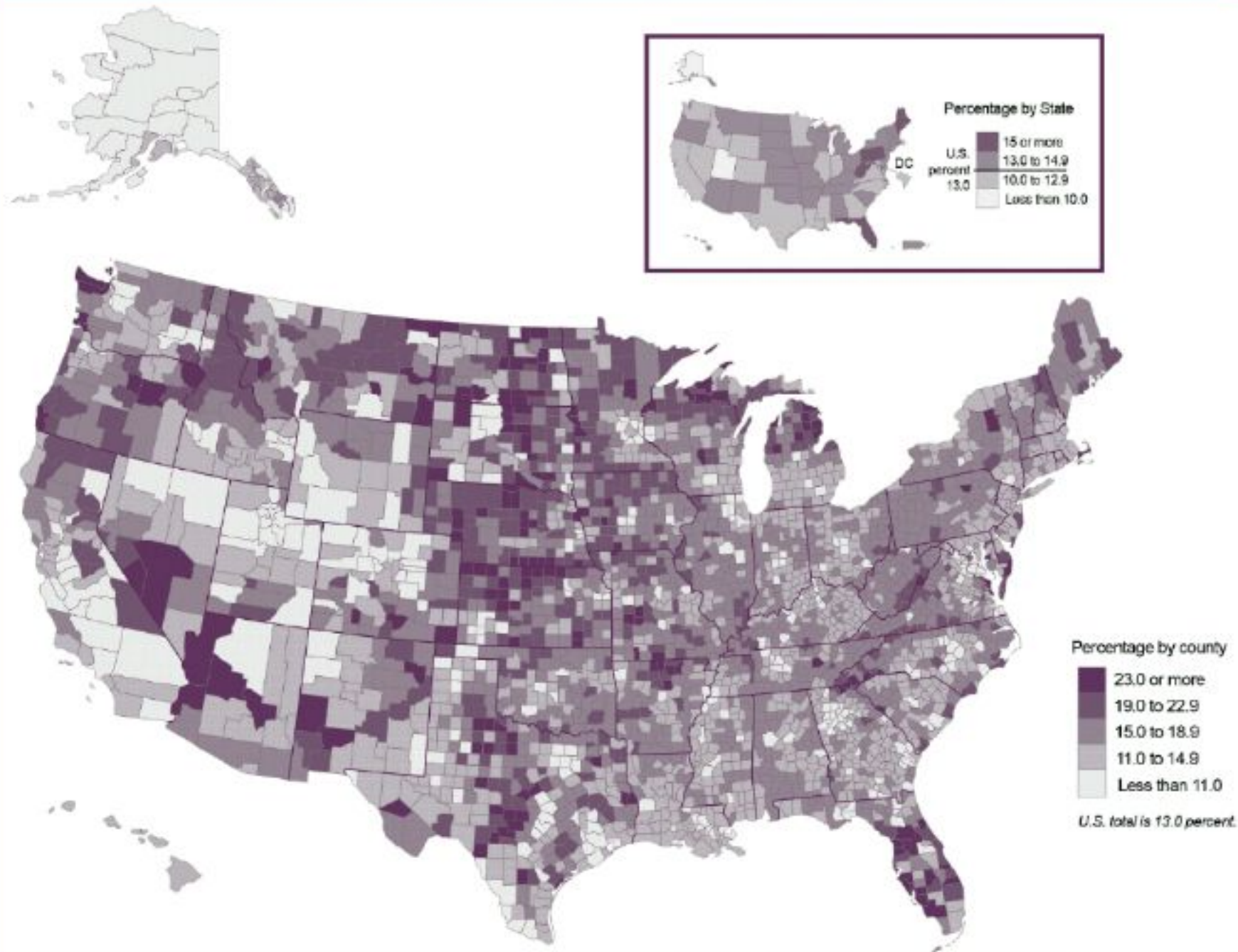


Source: <http://www.nia.nih.gov/about/living-long-well-21st-century-strategic-directions-research-aging/research-goal-d-improve-our>

Number of Older Americans



Percentage of population age 65 and over, by county and state, 2010



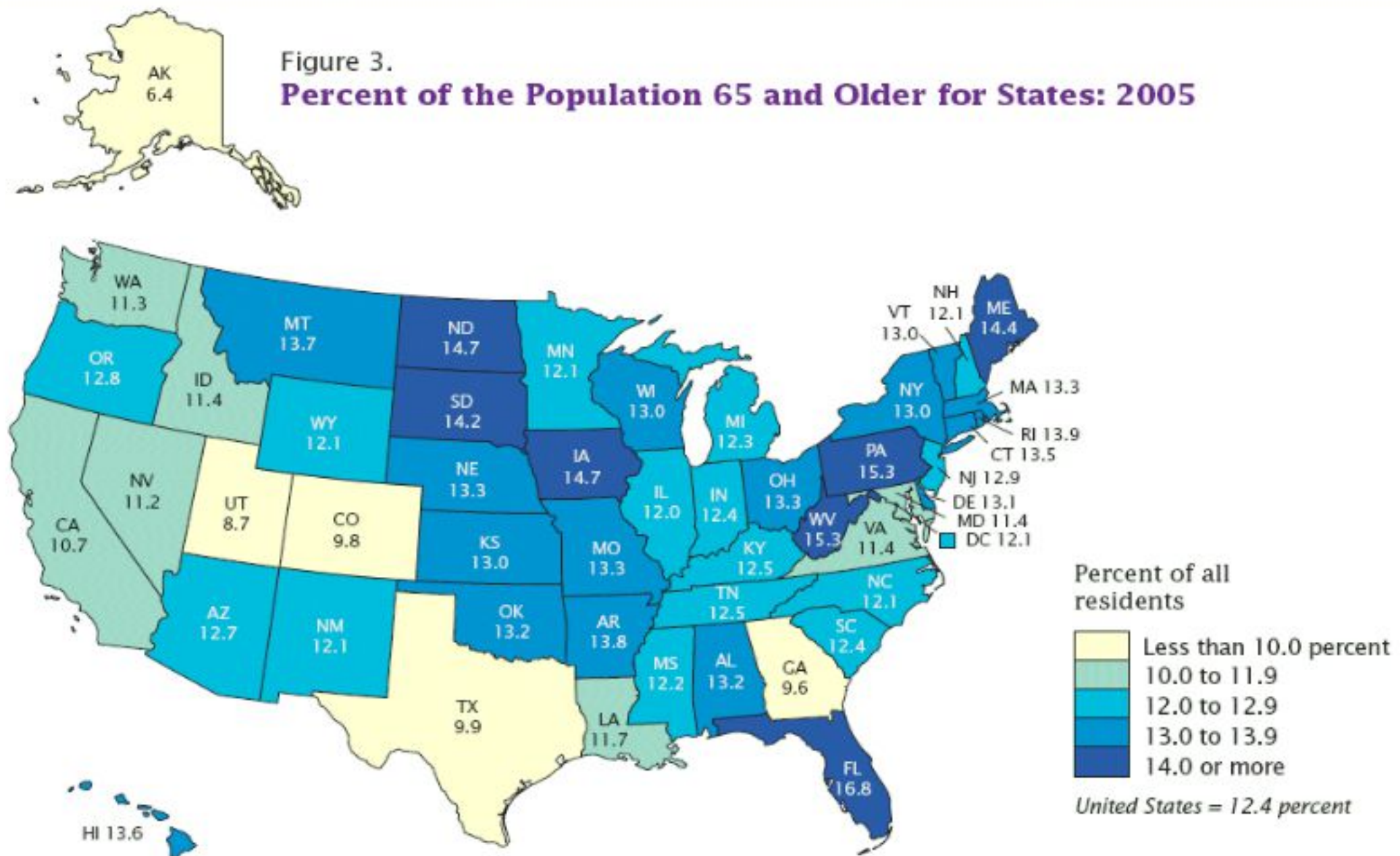
Reference population: These data refer to the resident population.

SOURCE: U.S. Census Bureau, 2010 Census Summary File 1.

Percentage of Population Age 65+ by State



Figure 3.
Percent of the Population 65 and Older for States: 2005



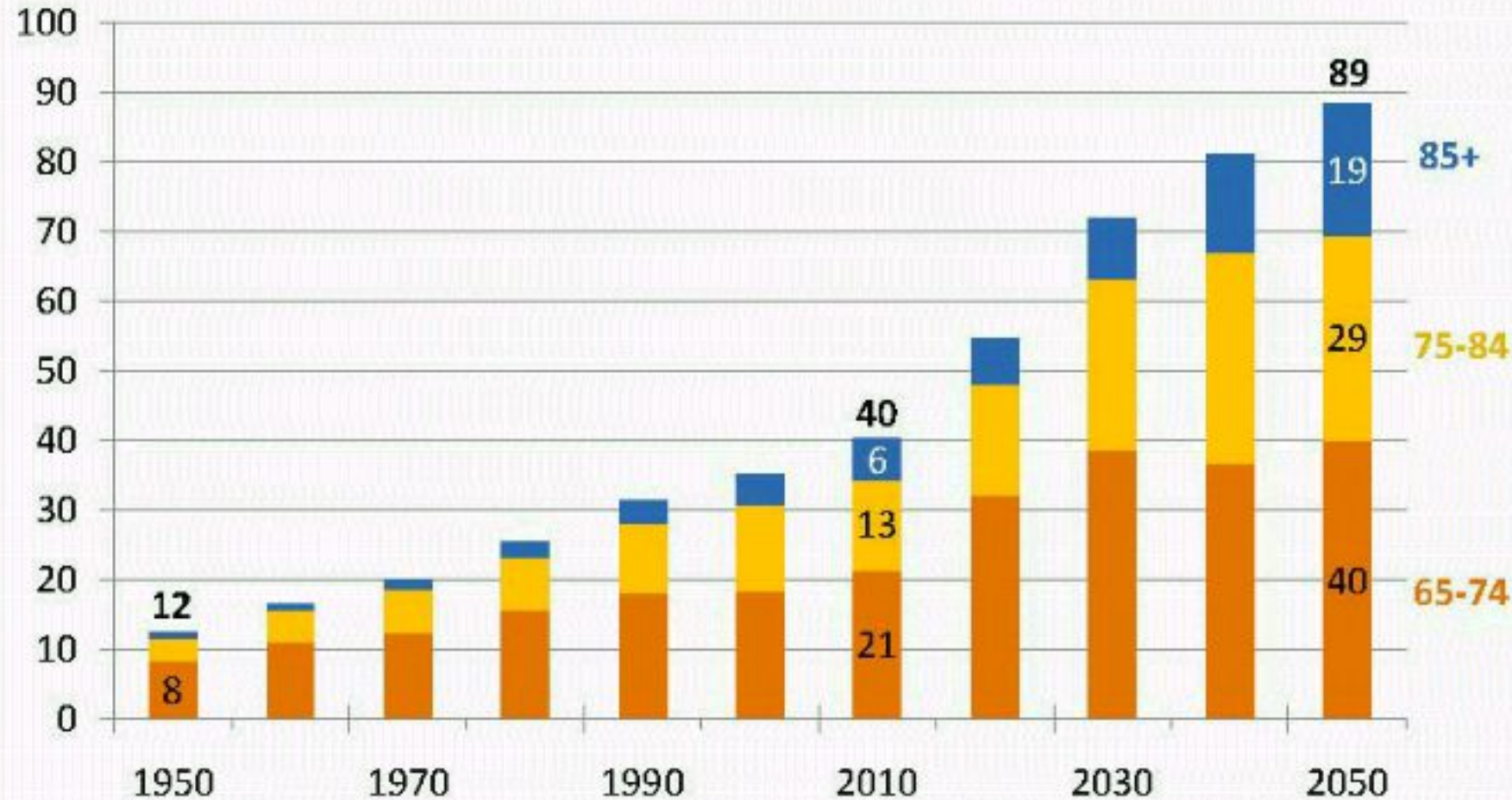
Source: U.S. Census Bureau, Population Estimates Program, July 1, 2005.

Rate of Growth in Aging Populations



As the boomers reach 65, then 75, then 85, the population in each age bracket will swell; the age mix of the old will shift upward.

Population 65+, millions



Source: U.S. Census Bureau, 2002b and 2008d.

A-8
Stanford Center on Longevity

Rate of Growth in Aging Populations



THE SPEED OF POPULATION AGING

Number of years for
population age 65+
to increase from 7%
to 14%



Table 5: Average Annual Rate of Population Growth, 1996-2020(%)



	Total	School Age (5-14)	Working Age (15-64)	Elderly (65+)
World	1.1	0.3	1.4	2.6
Sub-Saharan Africa	2.3	1.9	2.6	2.8
Near East & North Africa	2.1	1.2	2.5	3.7
China	0.6	-0.9	0.8	3.4
Other Asia	1.4	0.2	1.8	3.4
Latin America & the Caribbean	1.1	-0.1	1.5	3.3
East & Central European States	0.3	-0.5	0.3	1.0
Rest of the World	0.4	-0.2	0.2	1.7

Source: International database, US Bureau of Census; WHO Kobe Centre, Ageing and Health

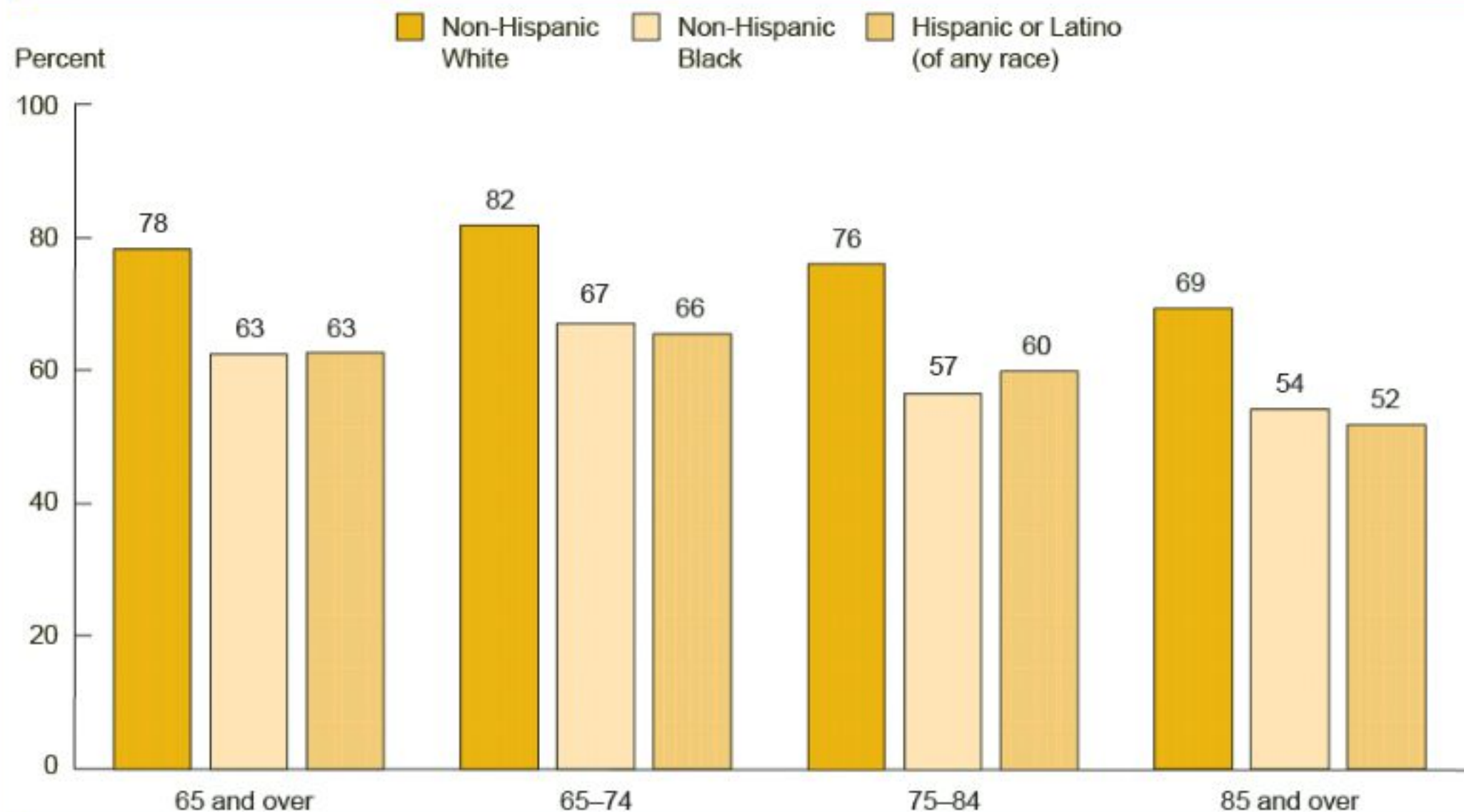


Foofie Harlan
Age 75
Cheerleaders' Club

Respondent-Assessed Health Status



Percentage of people age 65 and over with respondent-assessed good to excellent health status by age group and race and Hispanic origin, 2008–2010



NOTE: Data are based on a 3-year average from 2008–2010. See data sources for the definition of race and Hispanic origin in the National Health Interview Survey.

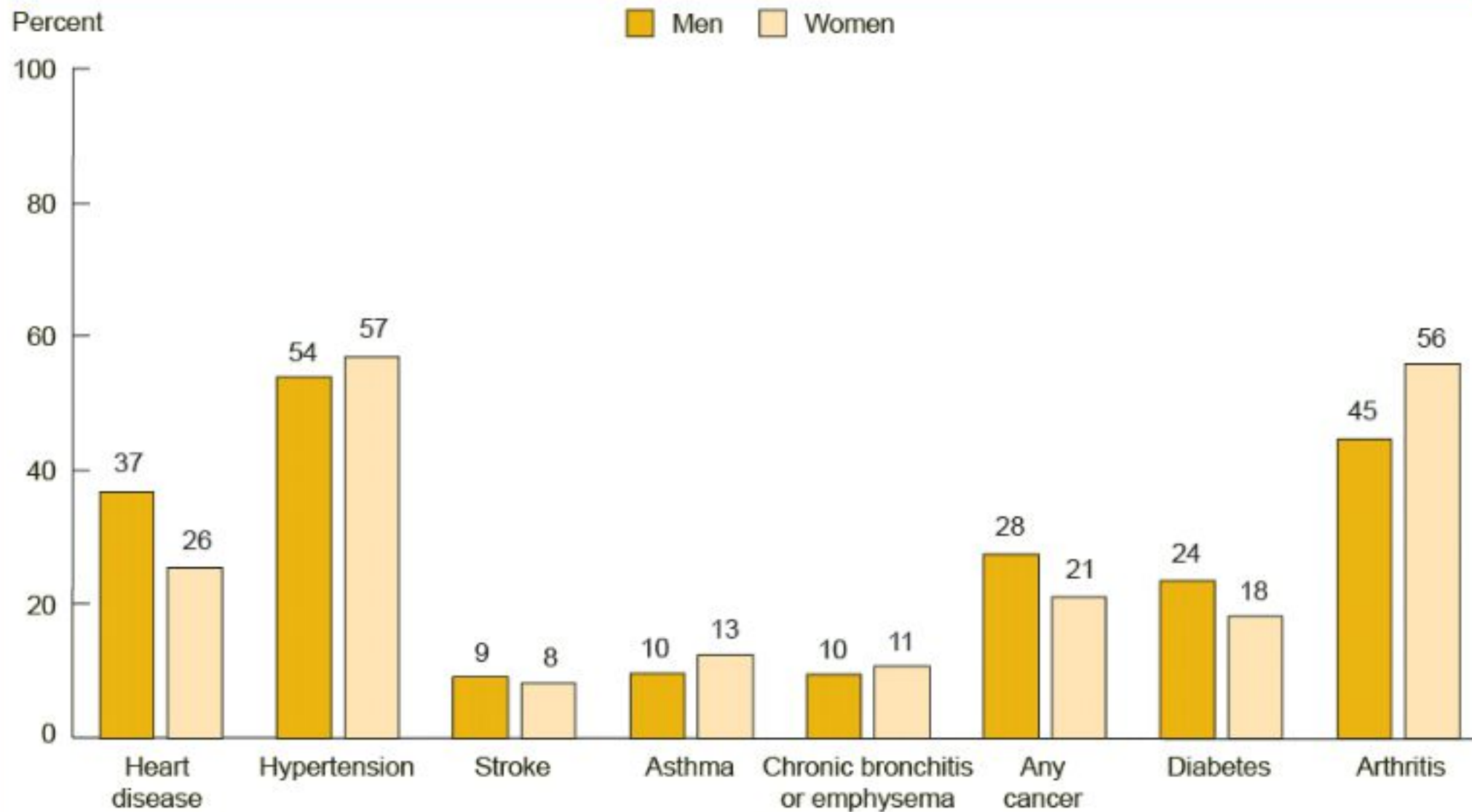
Reference population: These data refer to the civilian noninstitutionalized population.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey.

Chronic Health Conditions



Percentage of people age 65 and over who reported having selected chronic health conditions, by sex, 2009–2010



NOTE: Data are based on a 2-year average from 2009–2010.

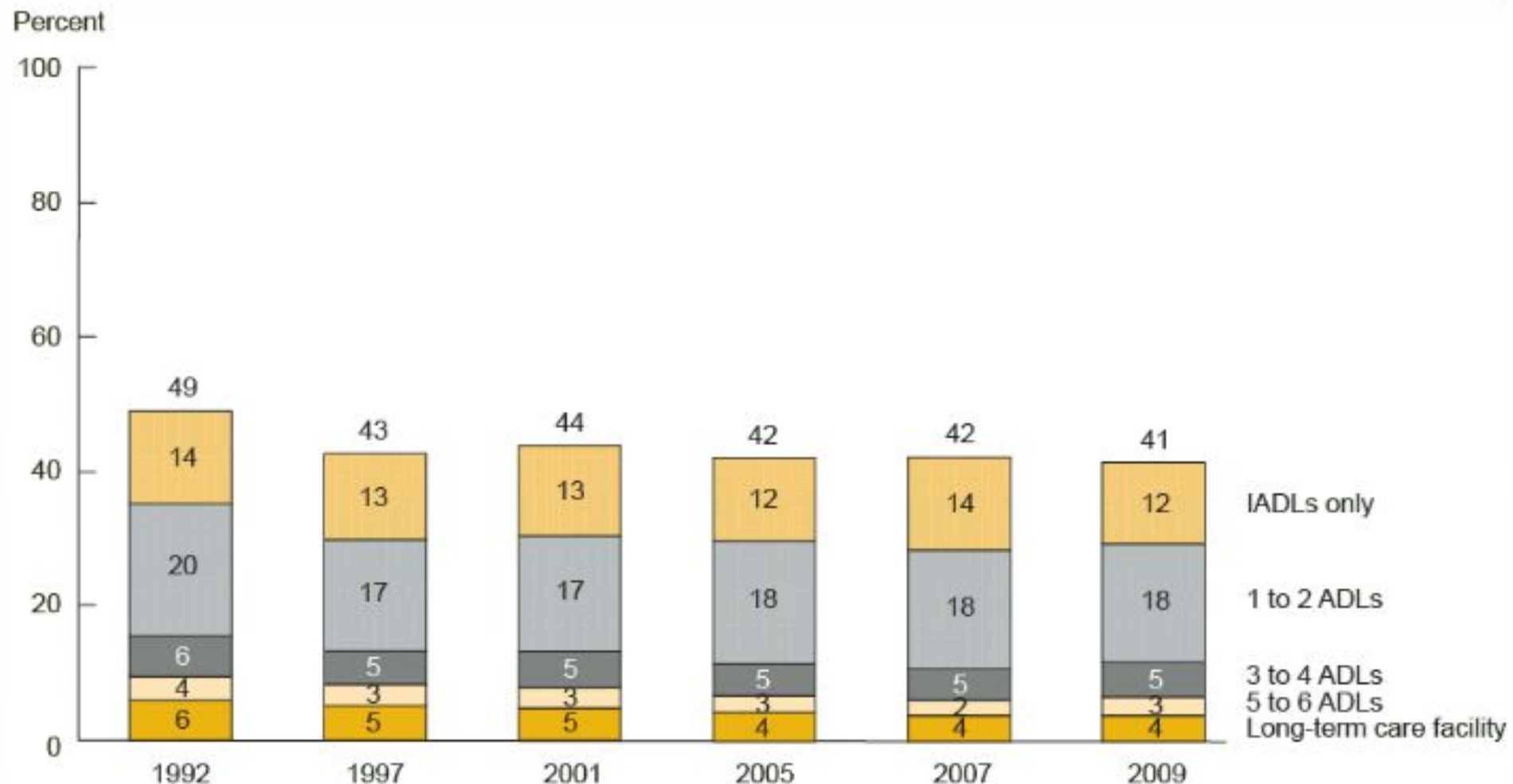
Reference population: These data refer to the civilian noninstitutionalized population.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey.

Functional Limitations



Percentage of Medicare enrollees age 65 and over who have limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs), or who are in a long-term care facility, selected years 1992–2009



NOTE: A residence is considered a long-term care facility if it is certified by Medicare or Medicaid; has three or more beds, is licensed as a nursing home or other long-term care facility, and provides at least one personal care service; or provides 24-hour, 7-day-a-week supervision by a caregiver. ADL limitations refer to difficulty performing (or inability to perform for a health reason) one or more of the following tasks: bathing, dressing, eating, getting in/out of chairs, walking, or using the toilet. IADL limitations refer to difficulty performing (or inability to perform for a health reason) one or more of the following tasks: using the telephone, light housework, heavy housework, meal preparation, shopping, or managing money. Percents are age-adjusted using the 2000 standard population. Estimates may not sum to the totals because of rounding.

Reference population: These data refer to Medicare enrollees.

SOURCE: Centers for Medicare and Medicaid Services, Medicare Current Beneficiary Survey.



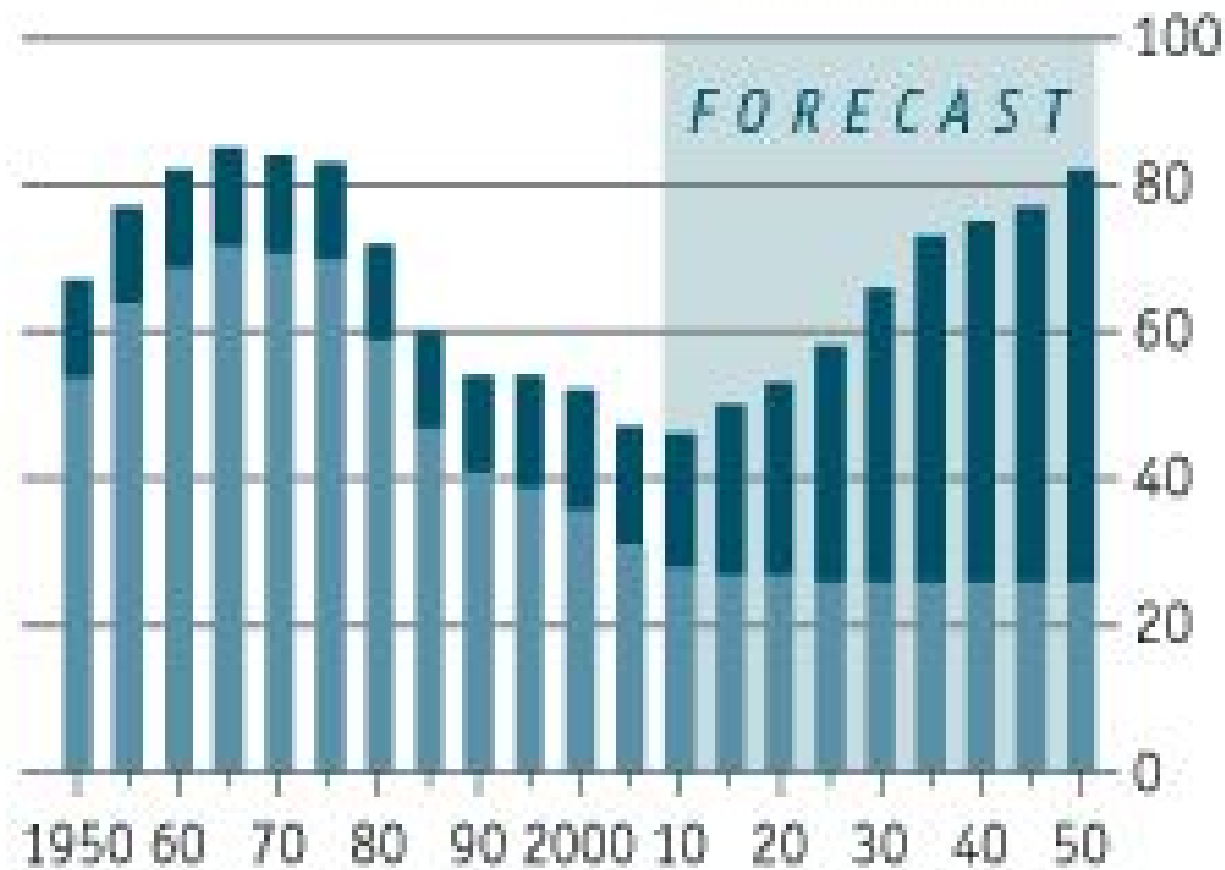
Dependency Ratios

All uphill from here

8

China's dependency ratio
As % of population aged 15-64

■ Elderly
■ Children



Source: "World Population Prospects", United Nations, 2009

Inter-Generation



Careers in Aging



CAREERS IN GERIATRICS



WHAT CAREERS ARE AVAILABLE IN THE FIELD OF AGING?

- Physician-Geriatrician
- Dentist
- Dietitian
- Recreation Therapist
- Healthcare Administrator
- Occupational Therapist
- Researcher
- Registered Nurse
- Psychologist
- Optometrist
- Nurse Practitioner
- Physical Therapist
- Health Educator
- Social Worker
- Pharmacist
- Podiatrist
- Audiologist
- Gerontologist

WHERE DO PROFESSIONALS IN THE FIELD OF AGING WORK?

- ❖ Health care & long-term care institutions
- ❖ Community, human service & religious organizations
- ❖ Federal, state & local government agencies
- ❖ Retirement communities
- ❖ Academic & other educational and research settings
- ❖ Professional organizations
- ❖ Business & industries



WHAT DO PROFESSIONALS IN AGING DO?



- ❖ **Direct Service**
 - Provide direct care to older adults in hospitals, clinics, nursing homes, mental health facilities, adult day care, rehabilitation, hospice & home care programs
 - Develop, coordinate & evaluate programs and services
 - Provide counseling to older adults & their families
- ❖ **Research & Policy**
 - Conduct research on the aging process & diseases associated with aging
 - Design products to meet the special interests & needs of older adults
 - Plan, administer & evaluate aging issues, programs, and services
- ❖ **Education & Training**
 - Plan, conduct & evaluate educational programs on aging issues
 - Instruct courses on aging to students, professionals & older adults
 - Advise business, industry & labor

YOU CAN MAKE A DIFFERENCE

CONSIDER A CAREER IN AGING

- in an area that is rapidly growing.



In Conclusion

- History is now
- Explore the frontiers
- Know the statistics for fun
- Experience intergenerational interaction for the betterment of society