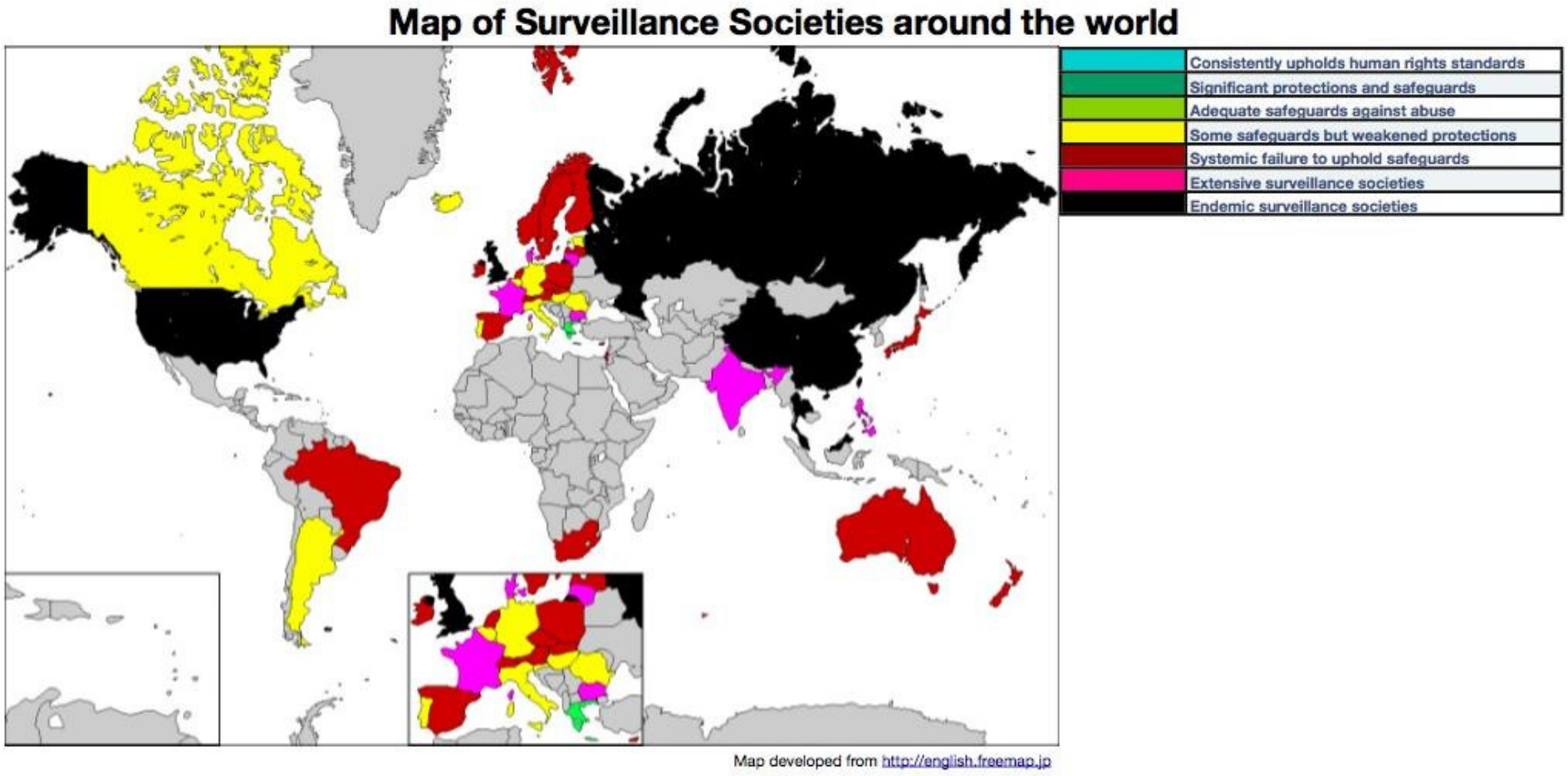
What are the Odds?

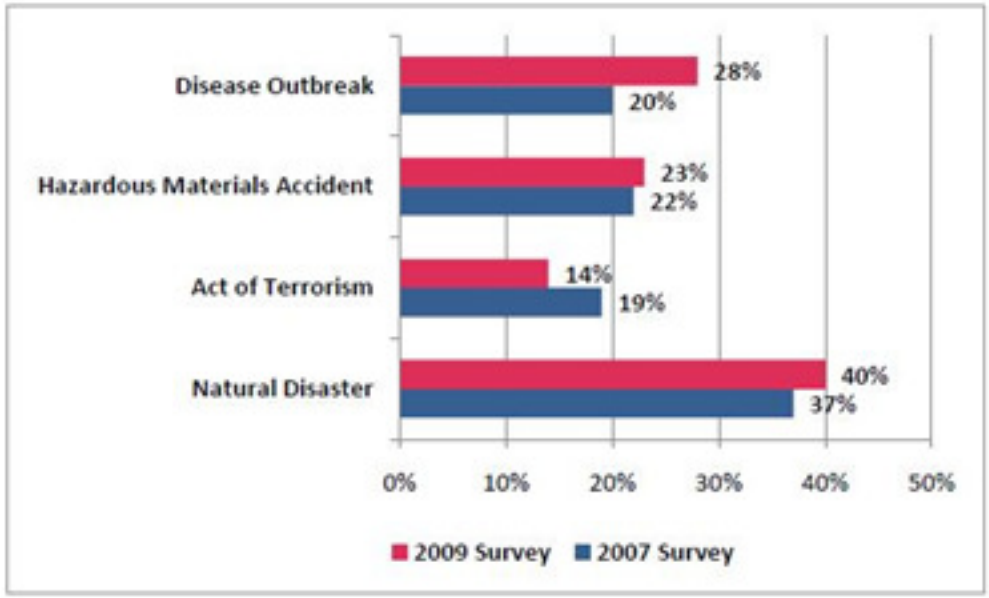
** continued from **"Building a Needs Based Preparedness Plan 1– What are the odds-Possibilities, Probabilities & the Needs Based Prep Plan Part C"** **

2007



2007 & 2009

Figure 1: Perception of the Risk of a Disaster*

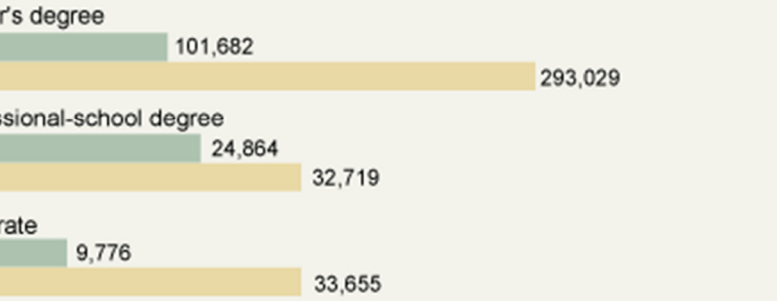


*Likelihood each disaster would occur, top-box scores (those stating 4 or 5, on a scale of 1 to 5; 5 being "very likely" that the disaster would occur and 1 being "not likely at all" that the disaster would occur). Respondents were asked, "On a scale of 1 to 5, with 5 being 'very likely' and 1 being 'not likely at all,' how likely do you think some type of …will ever occur in your community?"

Growth in Aid Recipients With Advanced Degrees

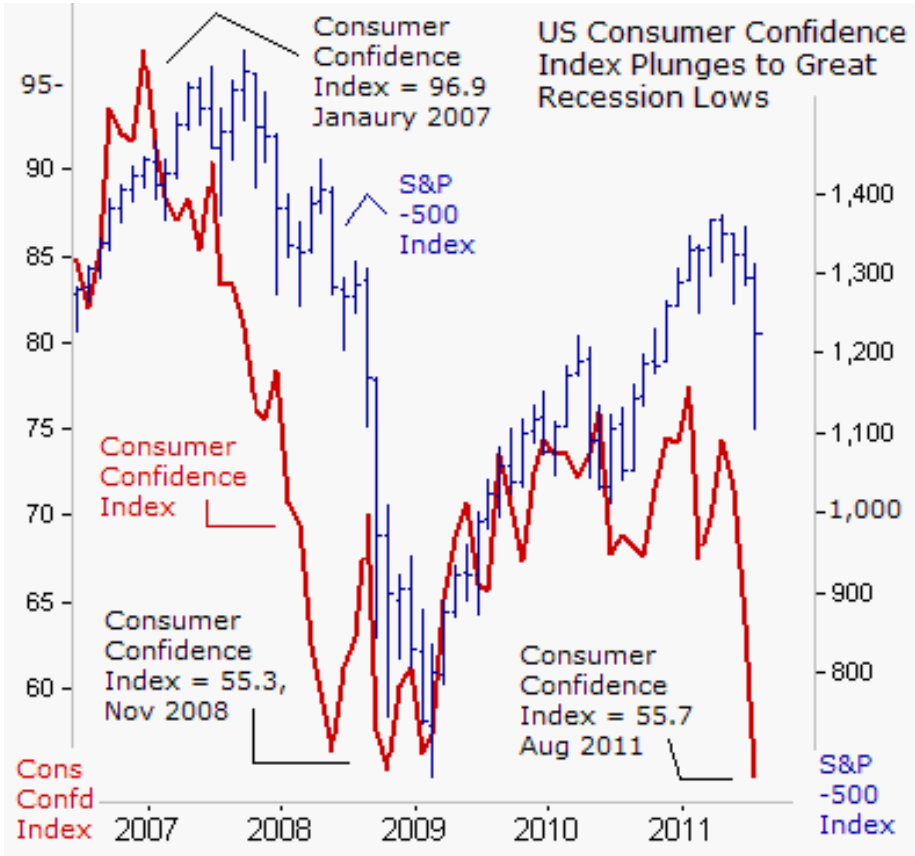
The number of people with master's degrees or higher who receive food stamps, some other form of federal aid, or both, has grown in recent years as the academic job market tightened and the national economy weakened.

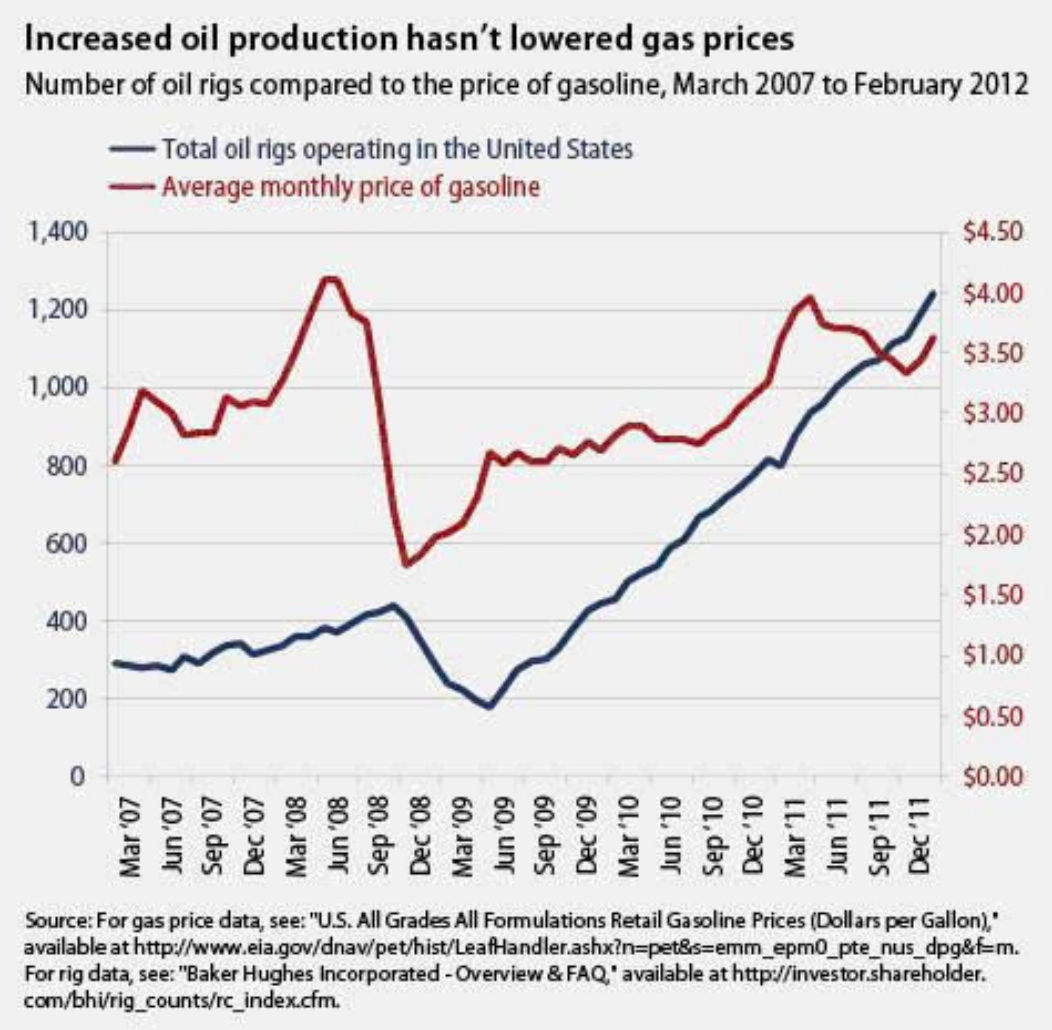
Number receiving aid in	Total population with master's degree or higher
2007	20 million
2010	22 million



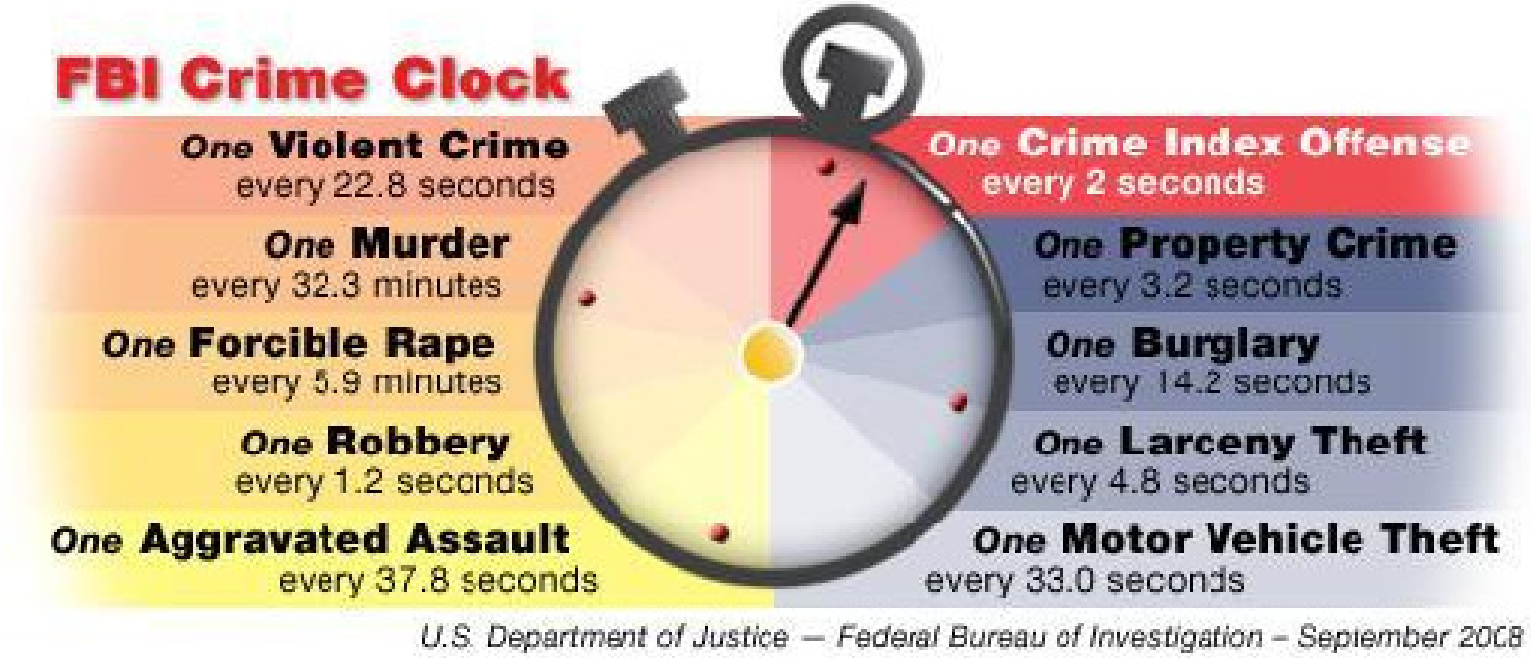
Note: Tabulations by Austin Nichols, senior research associate, Urban Institute. Nichols drew on data from the 2008 and 2011 Current Population Surveys by the U.S. Census Bureau and U.S. Bureau of Labor Statistics. In those surveys, the U.S. Census Bureau asks people if they receive food stamps or "some other form of public assistance," which could include aid through such programs as Women, Infants, and Children; Medicaid; Medicare; and aid for heating, child care, and housing.

Source: Current Population Survey, 2008 and 2011, U.S. Census Bureau and U.S. Bureau of Labor Statistics




Increased oil production hasn't lowered gas prices
Number of oil rigs compared to the price of gasoline, March 2007 to February 2012
Total oil rigs operating in the United States
Average monthly price of gasoline
1,400
1,200
1,000
800
600
400
200
0
$4.50
$4.00
$3.50
$3.00
$2.50
$2.00
$1.50
$1.00
$0.50
$0.00
Mar '07
Jun '07
Sep '07
Dec '07
Mar '08
Jun '08
Sep '08
Dec '08
Mar '09
Jun '09
Sep '09
Dec '09
Mar '10
Jun '10
Sep '10
Dec '10
Mar '11
Jun '11
Sep '11
Dec '11
Source: For gas price data, see: "U.S. All Grades All Formulations Retail Gasoline Prices (Dollars per Gallon)," available at http://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=pet&s=emm_epm0_pte_nus_dpg&f=m. For rig data, see: "Baker Hughes Incorporated - Overview & FAQ," available at http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm.

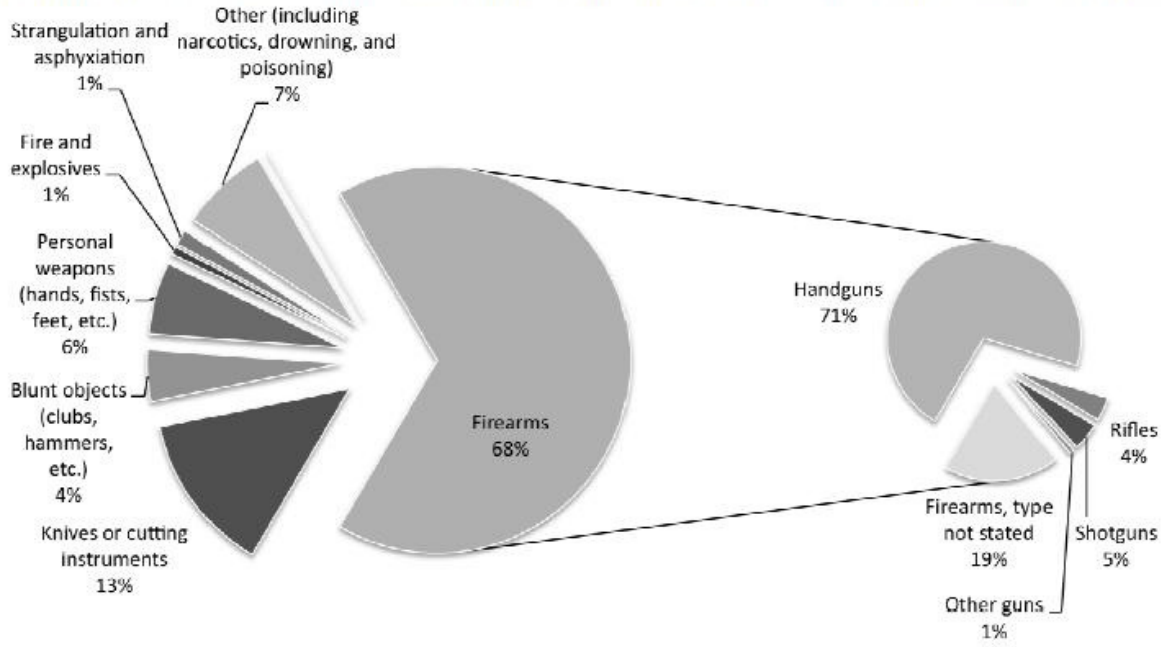
2008



U.S. Department of Justice — Federal Bureau of Investigation – September 2008

Figure 9. Homicide Weapons by Type -- U.S., 2008

In 2008, firearms were used in 68% of all homicides. Handguns accounted for approximately 48% of the total homicides and approximately 71% of all firearm homicides. By comparison, shotguns were used in 5% of firearm homicides and rifles were used in 4% of firearm homicides.



Source: FBI Uniform Crime

Electric Grid Transformers at Risk 2008

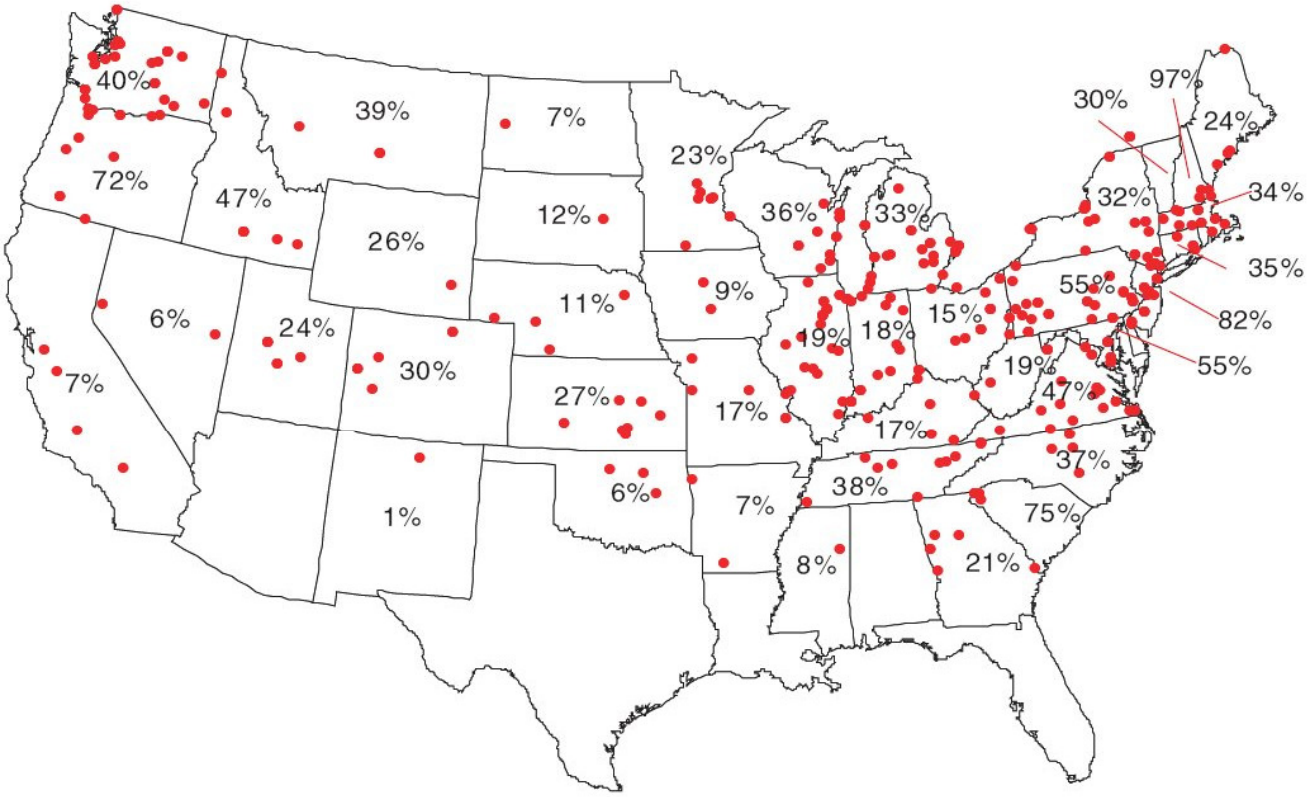
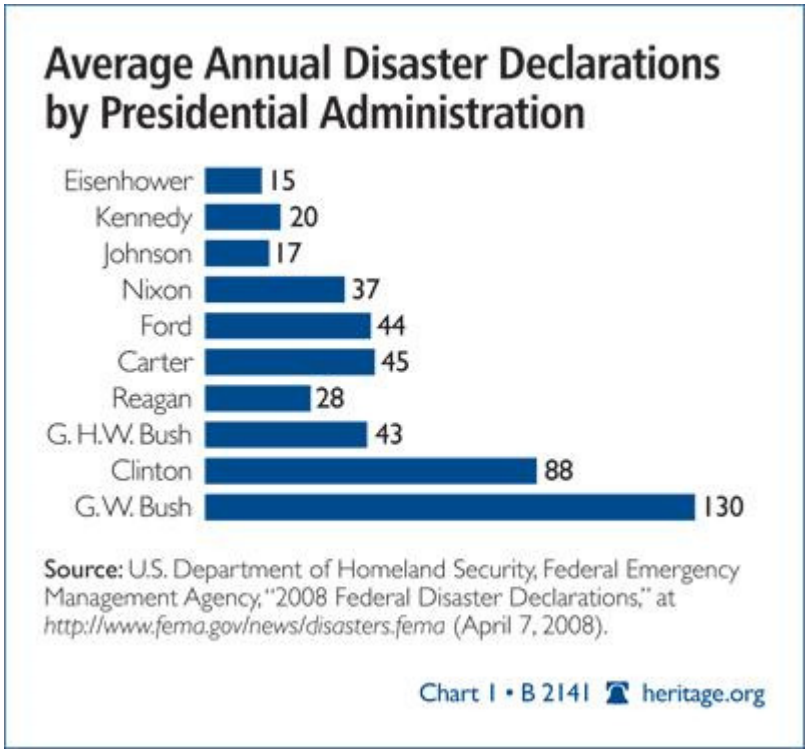
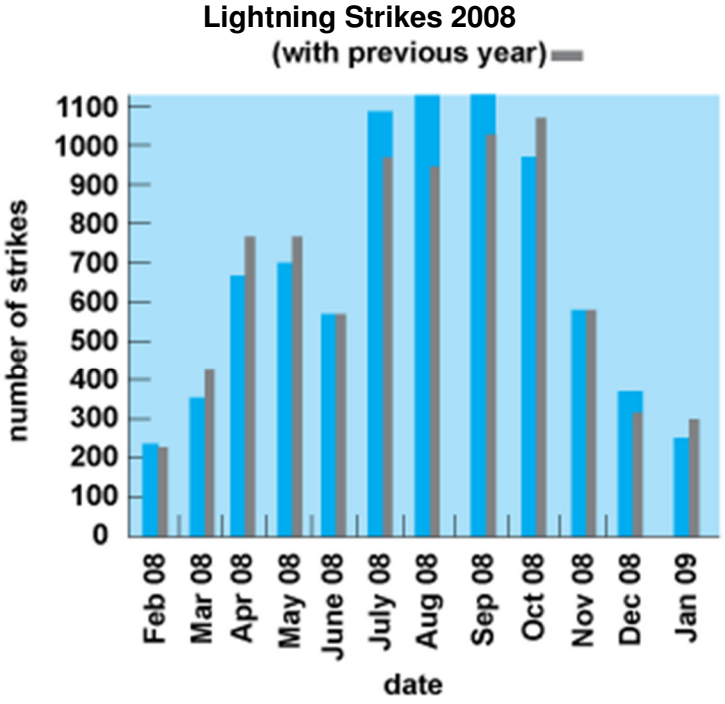
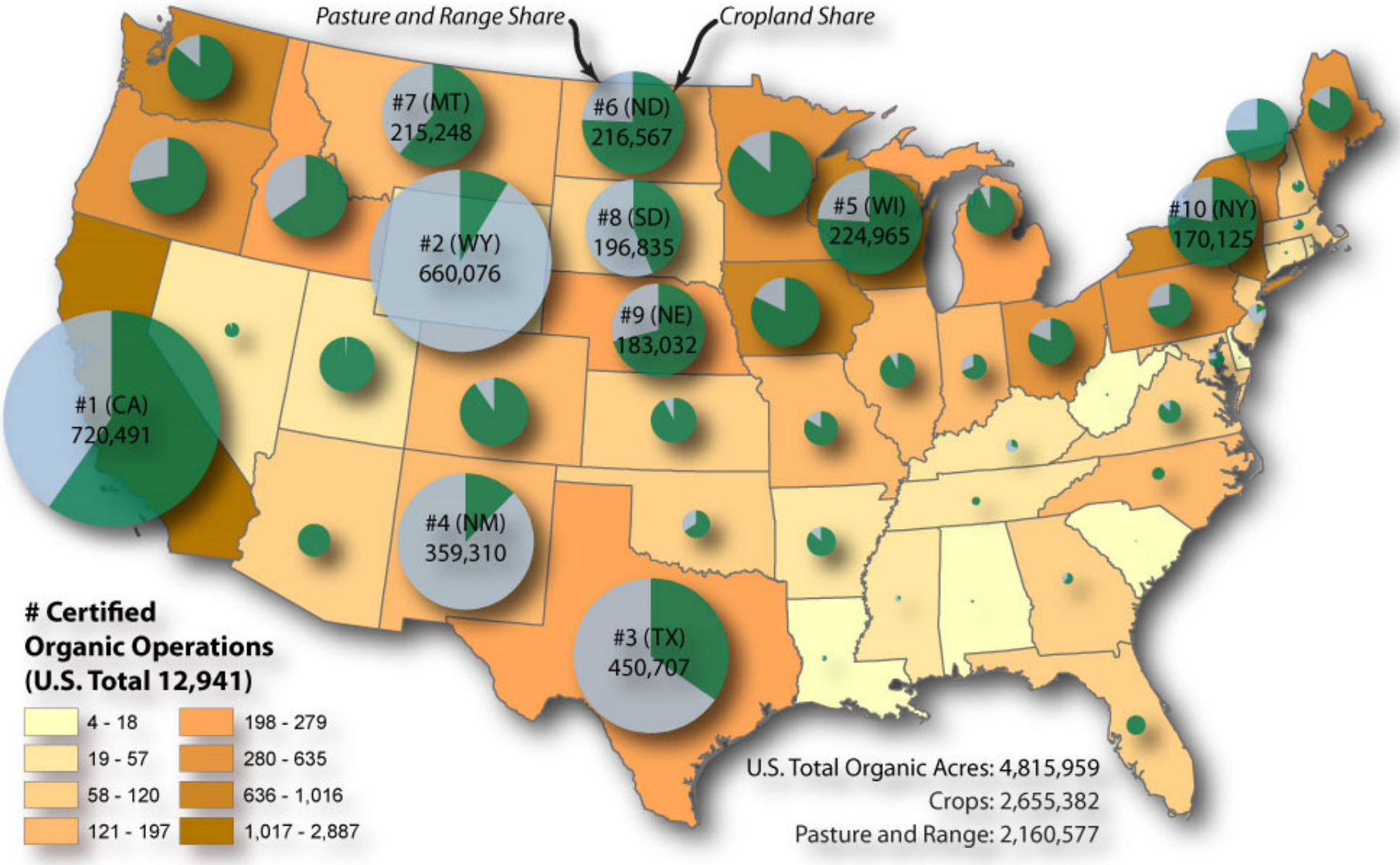


FIGURE 7.2 A map showing the at-risk EHV transformer capacity (estimated at ~365 large transformers) by state for a 4800 nT/min geomagnetic field disturbance at 50° geomagnetic latitude. Regions with high percentages of at-risk capacity could experience long-duration outages that could extend multiple years. SOURCE: J. Kappenman, Metatech Corp., "The Future: Solutions or Vulnerabilities?," presentation to the space weather workshop, May 23, 2008.

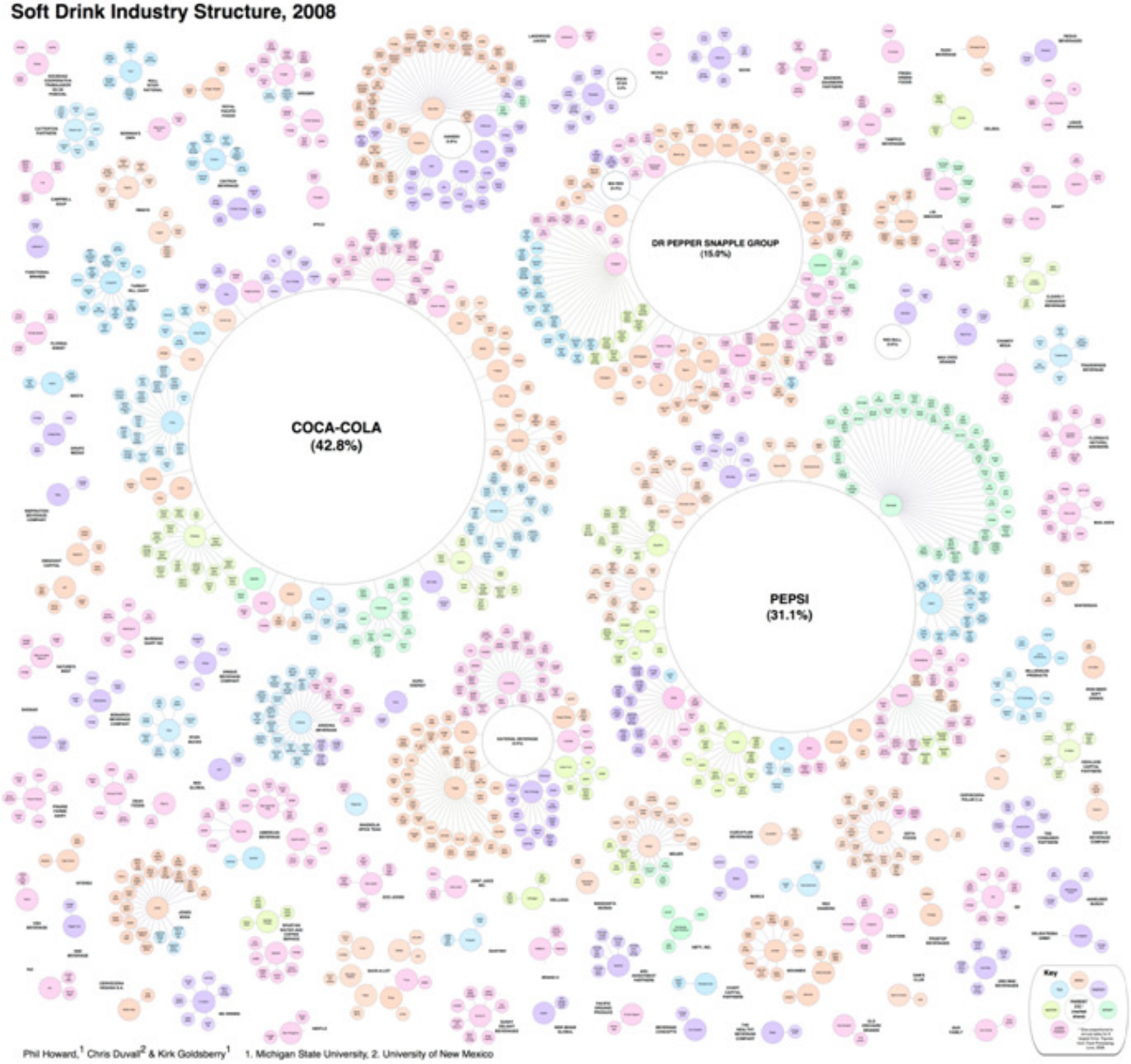

Average Annual Disaster Declarations by Presidential Administration
Eisenhower 15
Kennedy 20
Johnson 17
Nixon 37
Ford 44
Carter 45
Reagan 28
G. H.W. Bush 43
Clinton 88
G.W. Bush 130
Source: U.S. Department of Homeland Security, Federal Emergency Management Agency, "2008 Federal Disaster Declarations," at http://www.fema.gov/news/disasters.fema (April 7, 2008).
Chart 1 • B 2141 heritage.org


Lightning Strikes 2008
(with previous year)
number of strikes
1100
1000
900
800
700
600
500
400
300
200
100
0
Feb 08
Mar 08
Apr 08
May 08
June 08
July 08
Aug 08
Sep 08
Oct 08
Nov 08
Dec 08
Jan 09
date

Organic Operations Accounted For Less Than 1% of Total Crop Acreage 2008

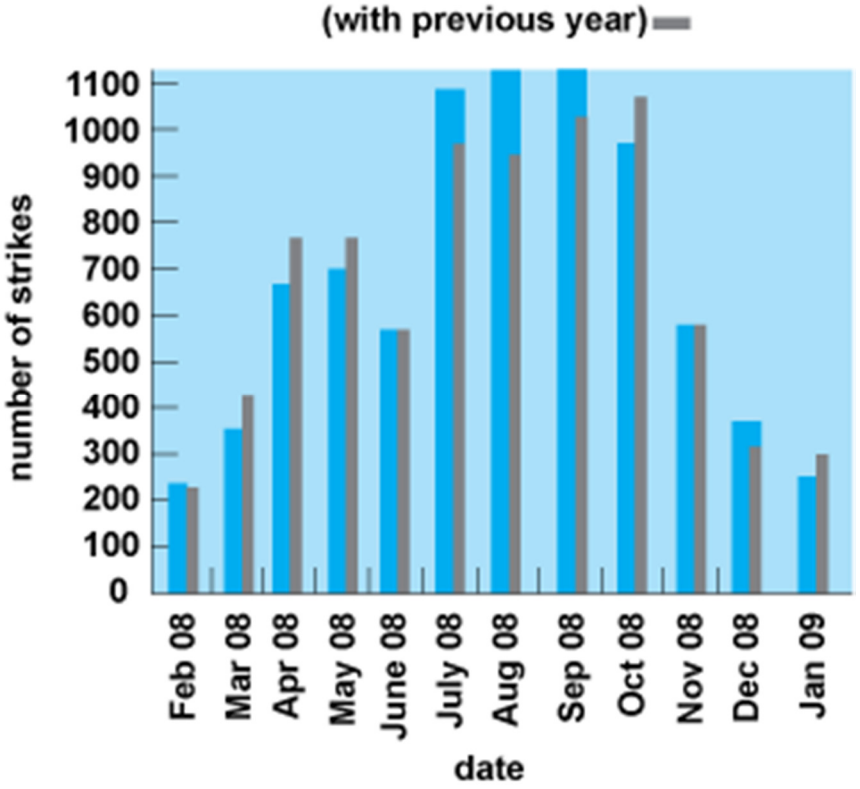


Consolidation/Corporatism of soft drinks Industry 2008



NAFTA Super Highway Jan 22 2008

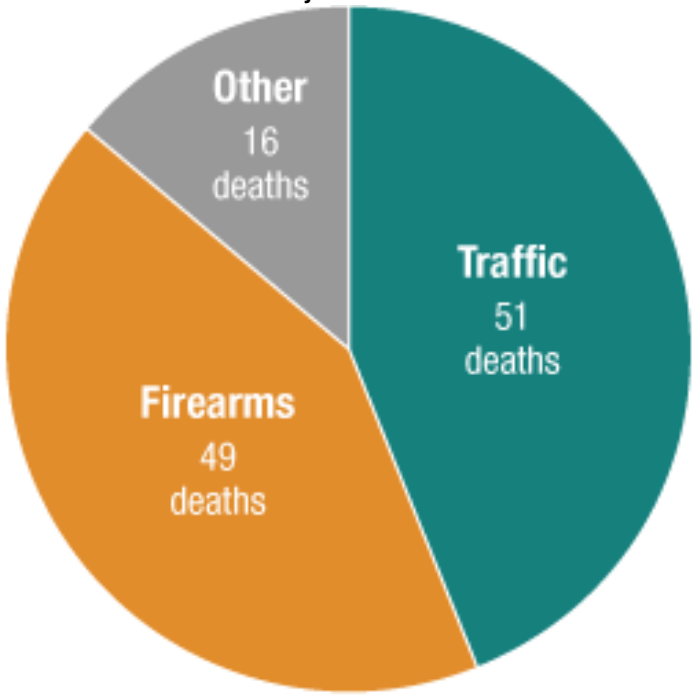
Aircraft – Bird Strikes US Feb 2008 – Jan 2009



Dog & Cat Food Imports to the US 2008-2010

	2008 ($m)	2008 (% of total)	2009 ($m)	2009 (% of total)	2010 Jan - Jun ($m)	2010 Jan to Jun (% of total)
China	163.7	44.6	198.1	48.7	115.5	48.5
Canada	100.1	27.2	109.8	27.0	66.2	27.8
Thailand	84.6	23.0	77.9	19.1	44.9	18.9
Australia	8.6	2.3	8.1	2.0	3.1	1.3
Brazil	4.8	1.2	4.4	1.1	1.4	0.6
Ireland	1.5	0.4	3.0	0.8	2.4	1.0
Costa Rica	0.3	0.1	1.0	0.2	0.2	0.1
Mexico	0.5	0.1	0.9	0.2	0.4	0.1
Cambodia	0	0	0.5	0.1	1.8	0.7
Taiwan	0.1	0.0	0.5	0.1	0.6	0.2
Total Top 10	**364.2**	**99.0**	**404.2**	**99.3**	**236.5**	**99.2**
Total Imported	**367.3**	**100**	**407.0**	**100**	**238.3**	**100**

US causes of death of Police Officers 2009 by National Law Enforcement Officers Memorial Fund



10 Leading Causes of Injury Deaths by Age Group Highlighting Unintentional Injury Deaths, United States – 2009

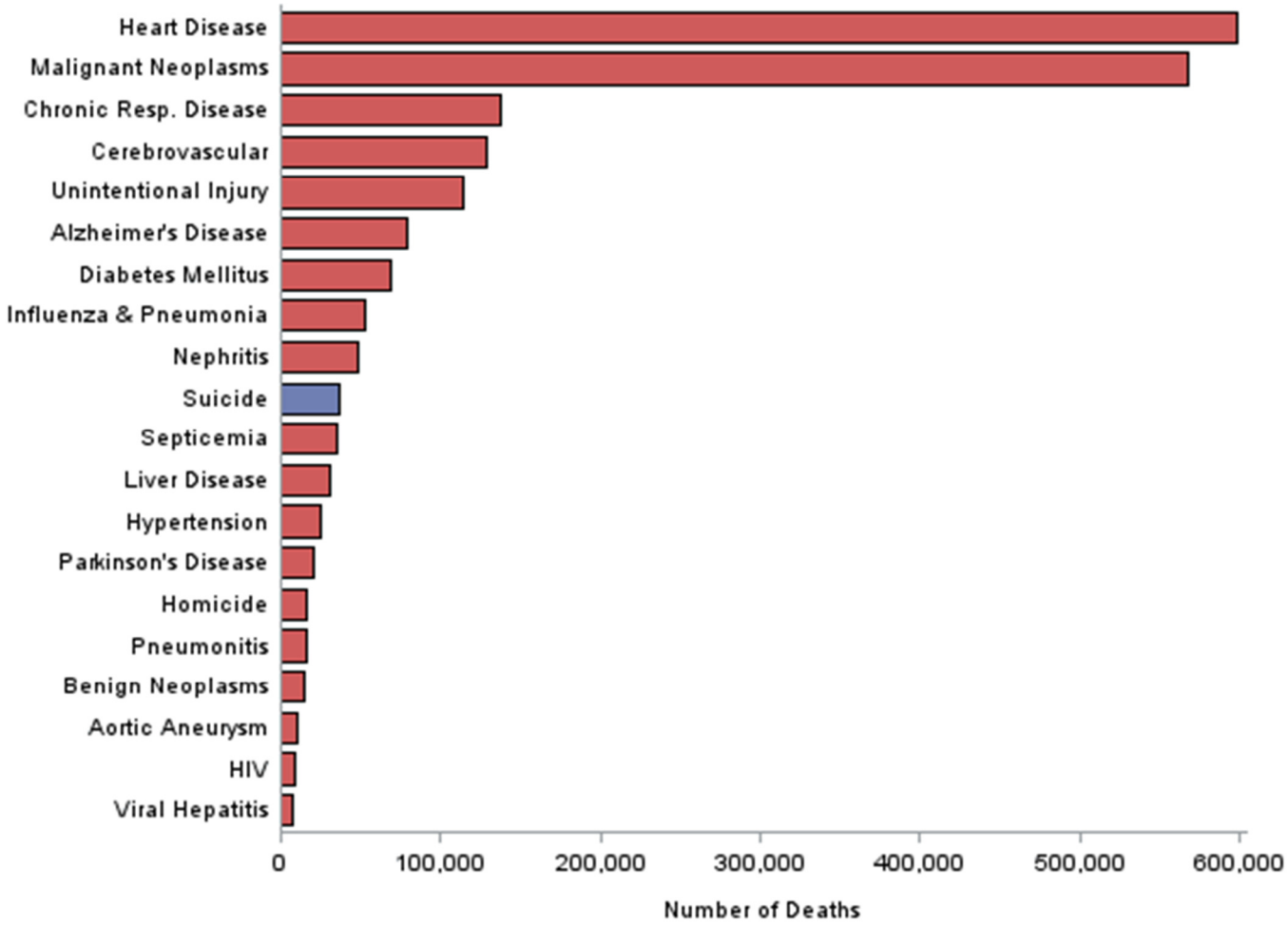
	Age Groups										
Rank	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	Total
1	Unintentional Suffocation 907	Unintentional Drowning 450	Unintentional MV Traffic 378	Unintentional MV Traffic 491	Unintentional MV Traffic 7,451	Unintentional Poisoning 6,209	Unintentional Poisoning 7,388	Unintentional Poisoning 9,675	Unintentional Poisoning 3,913	Unintentional Fall 20,422	Unintentional MV Traffic 34,485
2	Homicide Unspecified 152	Unintentional MV Traffic 362	Unintentional Drowning 119	Suicide Suffocation 181	Homicide Firearm 4,051	Unintentional MV Traffic 5,651	Unintentional MV Traffic 4,856	Unintentional MV Traffic 5,448	Unintentional MV Traffic 3,894	Unintentional MV Traffic 5,854	Unintentional Poisoning 31,758
3	Homicide Other Spec., classifiable 97	Unintentional Fire/Burn 169	Unintentional Fire/Burn 88	Homicide Firearm 115	Unintentional Poisoning 3,044	Homicide Firearm 3,300	Suicide Firearm 2,874	Suicide Firearm 3,975	Suicide Firearm 3,191	Suicide Firearm 4,248	Unintentional Fall 24,792
4	Unintentional MV Traffic 91	Homicide Unspecified 155	Homicide Firearm 53	Unintentional Drowning 90	Suicide Firearm 2,002	Suicide Firearm 2,379	Suicide Suffocation 1,935	Suicide Poisoning 2,015	Unintentional Fall 1,888	Unintentional Unspecified 4,139	Suicide Firearm 18,735
5	Undetermined Suffocation 49	Unintentional Suffocation 125	Unintentional Other Land Transport 31	Suicide Firearm 64	Suicide Suffocation 1,686	Suicide Suffocation 1,793	Homicide Firearm 1,869	Suicide Suffocation 1,889	Suicide Poisoning 1,231	Unintentional Suffocation 3,263	Homicide Firearm 11,493
6	Unintentional Drowning 45	Unintentional Pedestrian, Other 112	Unintentional Suffocation 26	Unintentional Other Land Transport 56	Unintentional Drowning 548	Suicide Poisoning 733	Suicide Poisoning 1,383	Unintentional Fall 1,341	Suicide Suffocation 922	Adverse Effects 1,647	Suicide Suffocation 9,000
7	Undetermined Unspecified 27	Homicide Other Spec., classifiable 81	Homicide Unspecified 23	Unintentional Fire/Burn 53	Homicide Cut/Pierce 419	Undetermined Poisoning 590	Undetermined Poisoning 738	Homicide Firearm 1,152	Unintentional Suffocation 540	Unintentional Poisoning 1,414	Suicide Poisoning 6,398
8	Homicide Suffocation 26	Homicide Firearm 55	Unintentional Pedestrian, Other 21	Unintentional Suffocation 41	Suicide Poisoning 348	Homicide Cut/Pierce 453	Unintentional Fall 551	Undetermined Poisoning 1,066	Homicide Firearm 520	Unintentional Fire/Burn 1,027	Unintentional Suffocation 5,939
9	Unintentional Fire/Burn 25	Unintentional Fall 46	Unintentional Struck by or Against 19	Unintentional Poisoning 37	Undetermined Poisoning 284	Unintentional Drowning 396	Unintentional Drowning 392	Unintentional Drowning 507	Undetermined Poisoning 484	Suicide Poisoning 676	Unintentional Unspecified 5,098
10	Unintentional Poisoning 22	Two Tied* 37	Unintentional Poisoning 13	Unintentional Other Transport 25	Unintentional Other Land Transport 230	Unintentional Fall 302	Homicide Cut/Pierce 375	Unintentional Suffocation 497	Unintentional Fire/Burn 456	Suicide Suffocation 584	Unintentional Drowning 3,517

*The two causes are: Unintentional Natural/Environmental and Unintentional Poisoning.
Data Source: National Center for Health Statistics (NCHS), National Vital Statistics System.
Produced by: Office of Statistics and Programming, National Center for Injury Prevention and Control, CDC using WISQARS™.

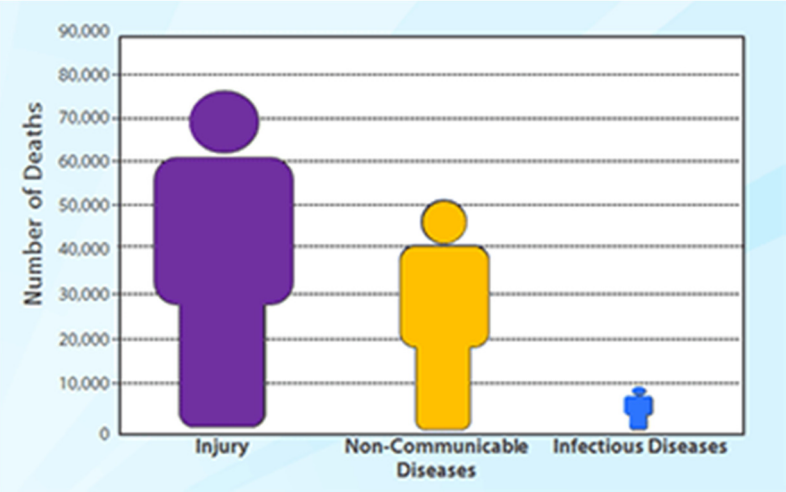
Centers for Disease Control and Prevention
National Center for Injury Prevention and Control

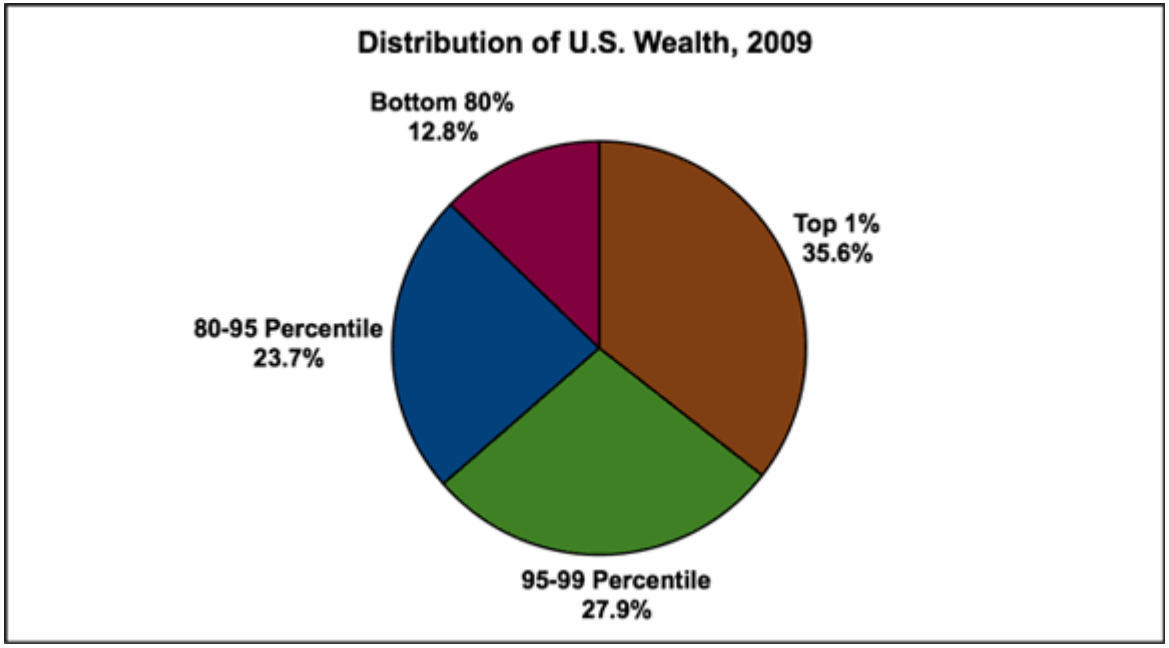
CS230409

2009 Causes of US Mortality

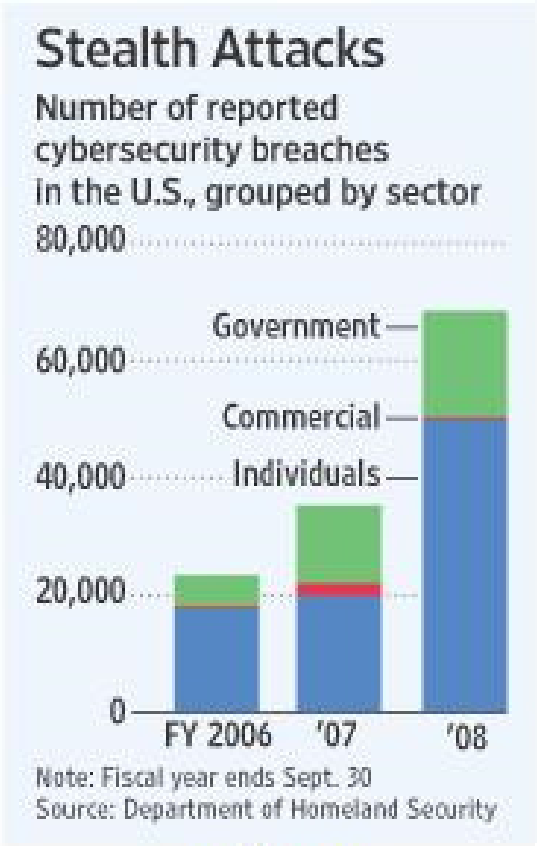


Injuries vs Other Causes of Death 2009



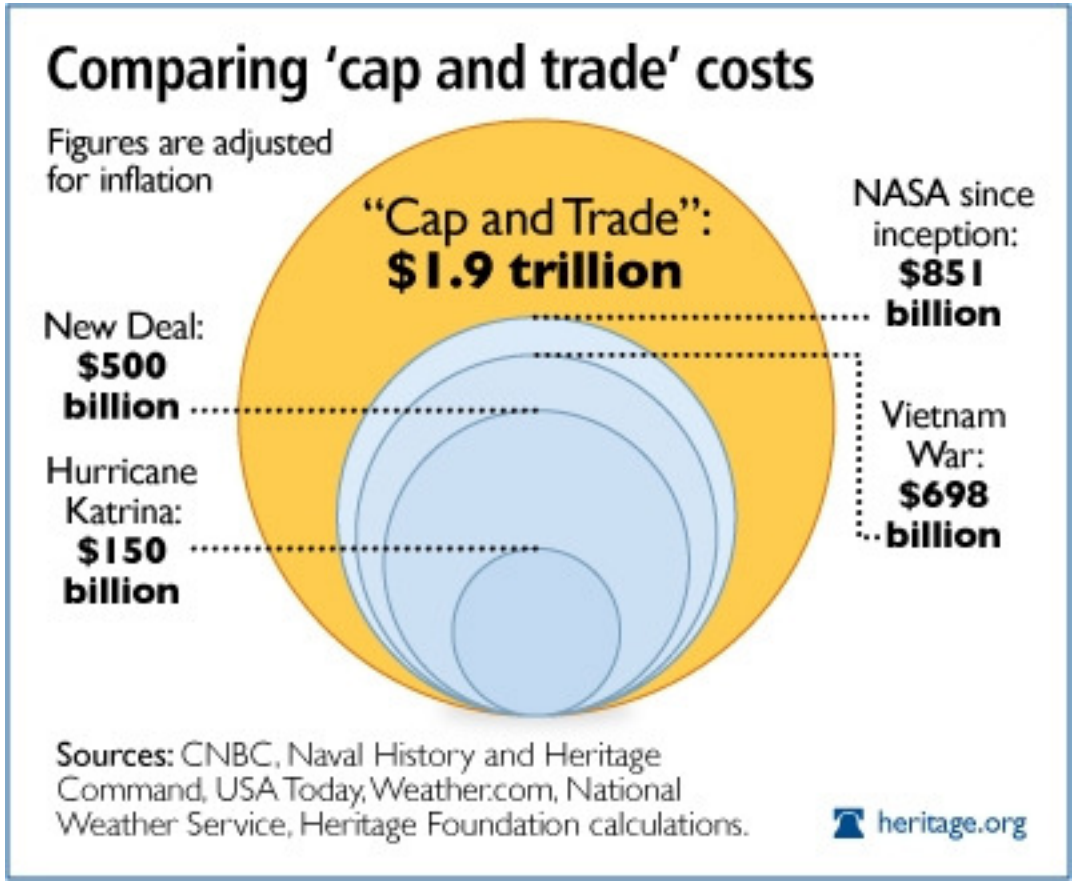


Cybersecurity attacks 2006-2008



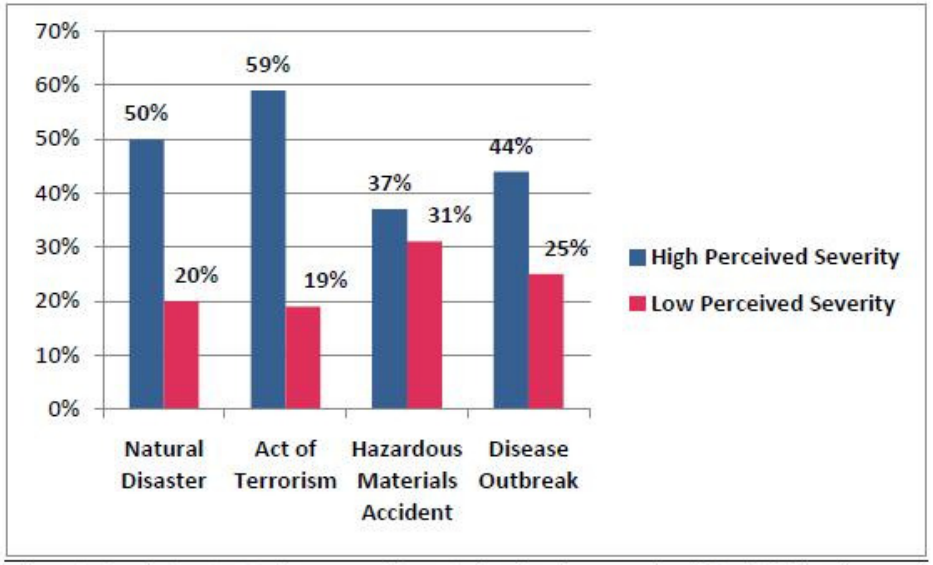
April 2009

2009


Comparing 'cap and trade' costs
Figures are adjusted for inflation
"Cap and Trade": $1.9 trillion
NASA since inception: $851 billion
New Deal: $500 billion
Vietnam War: $698 billion
Hurricane Katrina: $150 billion
Sources: CNBC, Naval History and Heritage Command, USA Today, Weather.com, National Weather Service, Heritage Foundation calculations.
heritage.org

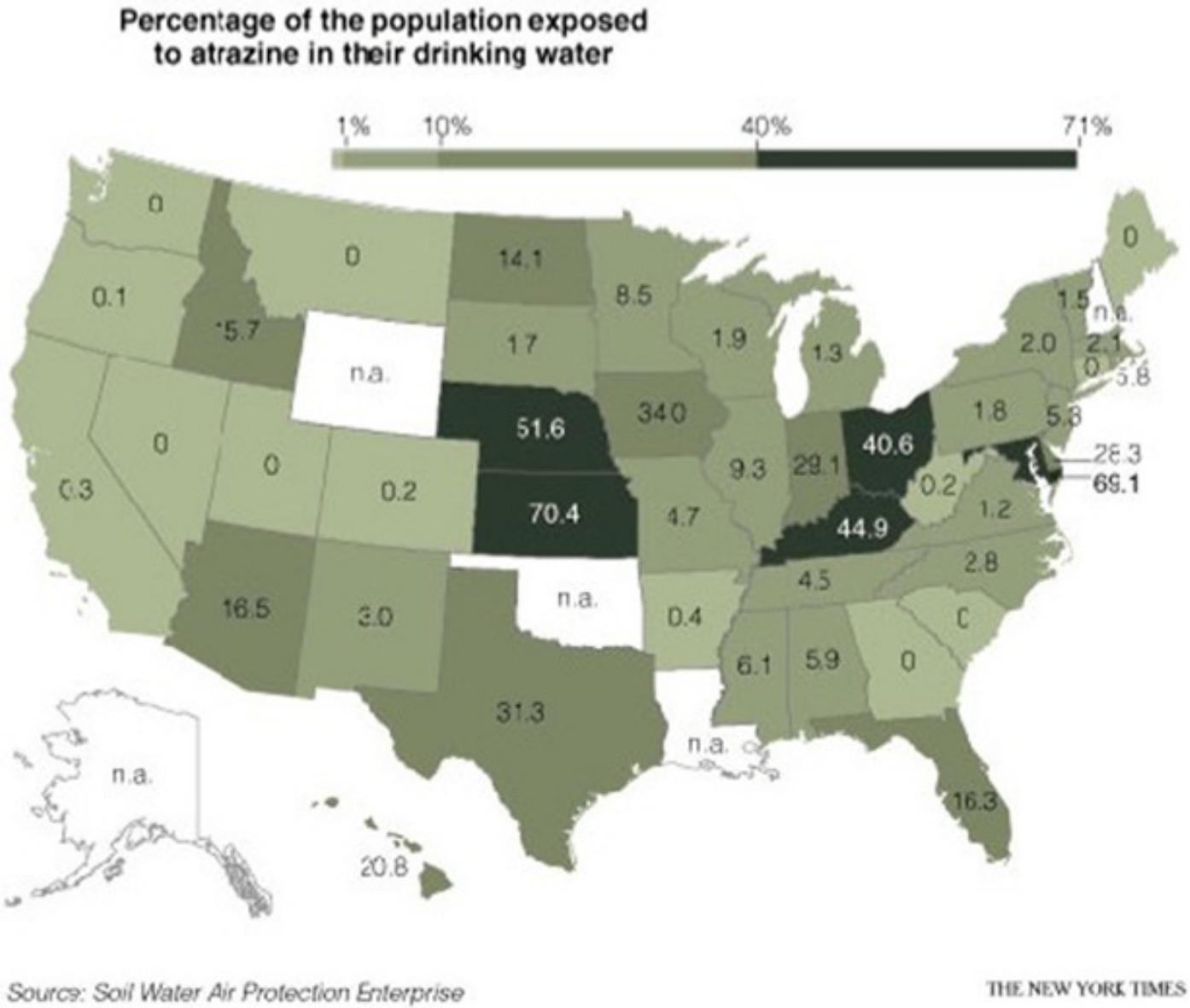
perception of disaster severity 2009

Figure 2: Perception of the Severity of Impact of Disaster*



*Perceived severity of the impact of each disaster, top-box scores (those stating 4 or 5, on a scale of 1 to 5; 5 being "very severe" disaster and 1 being "not severe at all" for a perceived impact of a disaster). Respondents were asked, "If a…were to happen in your community, how severe do you think the impact would be to you?"

2009


Percentage of the population exposed to atrazine in their drinking water
1%
10%
40%
71%
0
0.1
5.7
0
14.1
8.5
1.9
1.3
1.5
n.a.
2.0
2.1
0
5.8
n.a.
1.7
51.6
34.0
1.8
5.8
0
0
0.2
0.3
70.4
4.7
9.3
29.1
40.6
0.2
28.3
69.1
1.2
44.9
2.8
4.5
16.5
3.0
n.a.
0.4
0
6.1
5.9
0
31.3
n.a.
16.3
n.a.
20.8
Source: Soil Water Air Protection Enterprise
THE NEW YORK TIMES

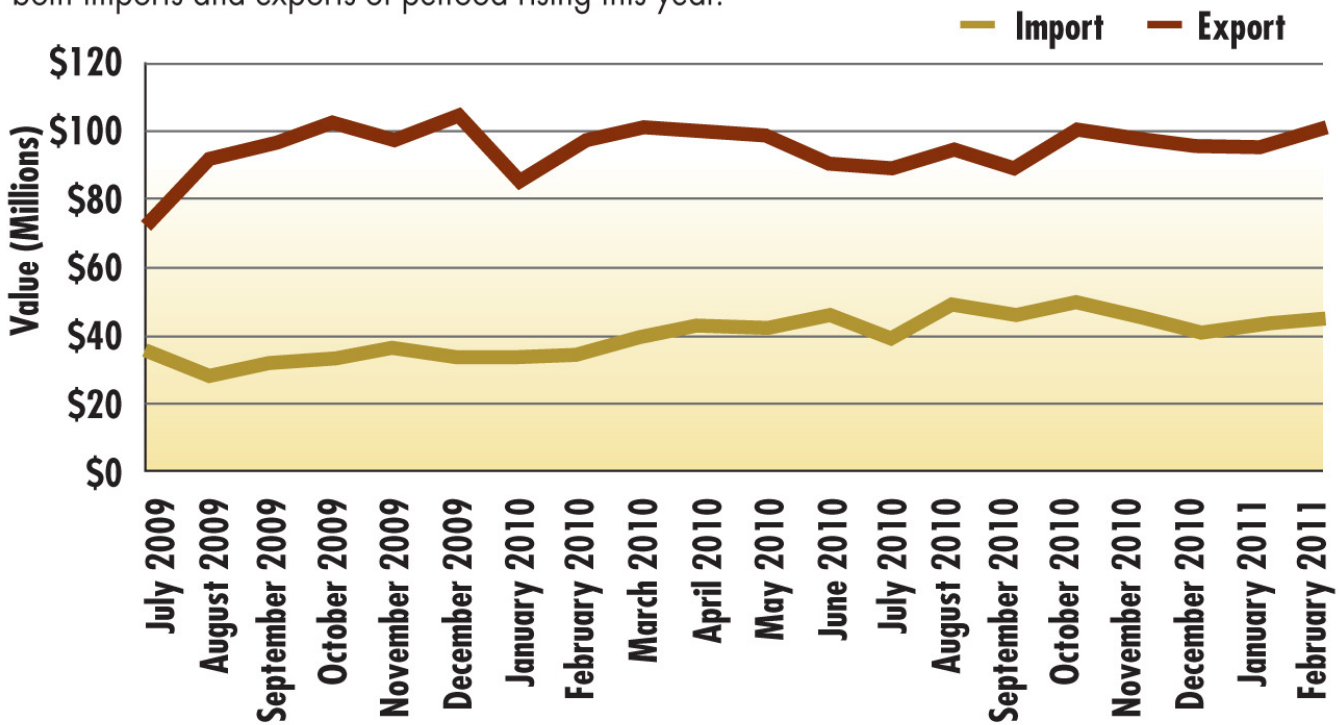
Crime Trends by Population: 2009 vs. 2010 (Percent change)

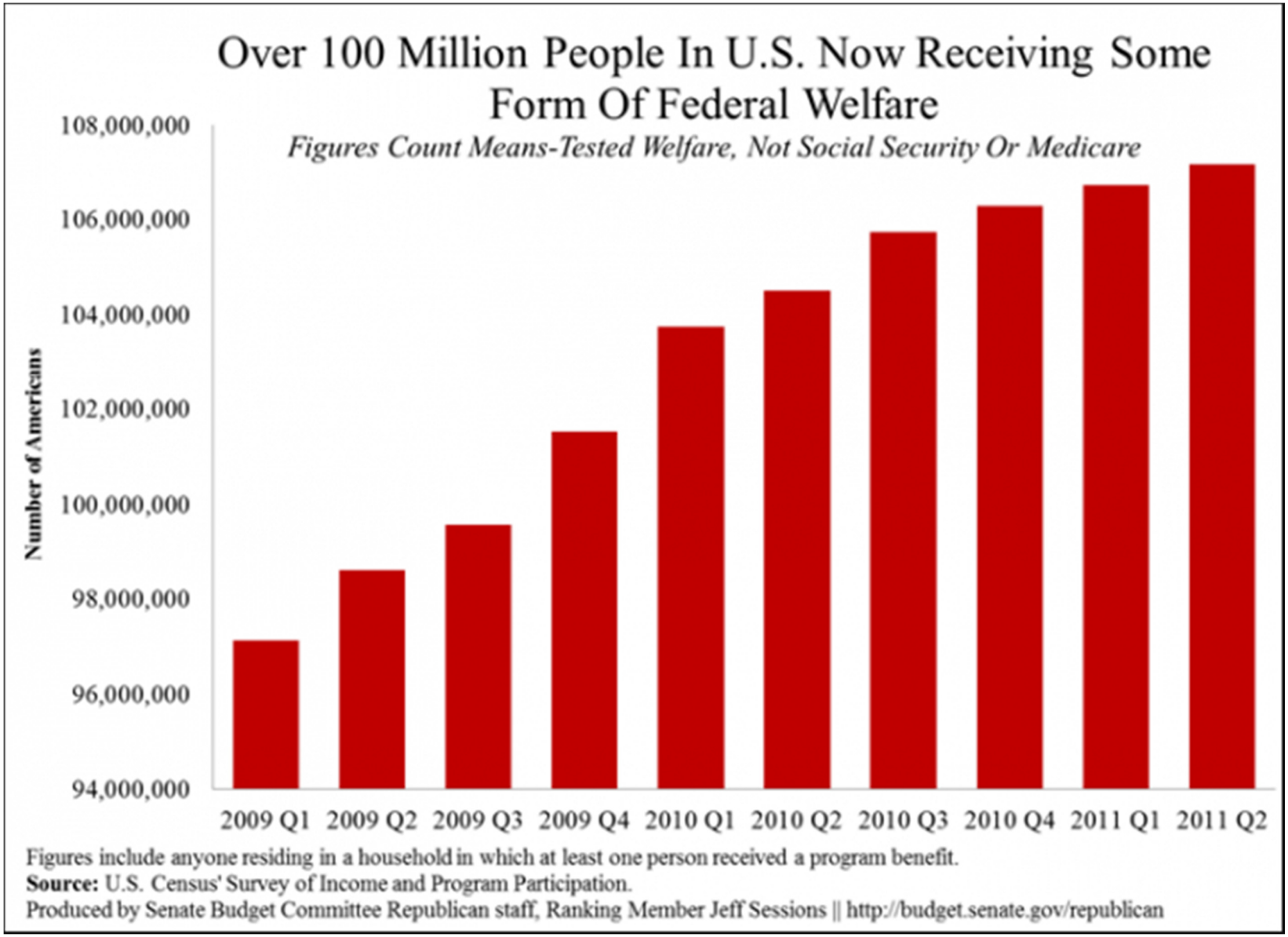
Population group	Number of agencies	Violent crime	Murder	Forcible rape	Robbery	Aggravated assault	Property crime	Burglary theft	Larceny	Motor vehicle theft	Arson
TOTAL	**14,706**	**-5.8**	**-4.0**	**-3.8**	**-9.7**	**-4.0**	**-2.7**	**-1.6**	**-2.5**	**-7.4**	**-7.6**
1,000,000 and over	10	-5.1	-2.2	-0.7	-8.4	-2.5	-3.8	-2.8	-3.6	-6.3	-15.2
500,000 to 999,999	25	-5.2	-4.7	+2.4	-10.9	-2.1	-3.9	-3.6	-3.6	-5.7	-2.1
250,000 to 499,999	40	-6.7	+4.3	-5.3	-9.3	-5.3	-2.2	*	-2.6	-4.7	-6.7
100,000 to 249,999	203	-5.1	-7.0	-5.4	-9.0	-2.7	-3.6	-0.8	-3.7	-9.3	-3.9
50,000 to 99,999	458	-6.3	-1.9	-3.2	-10.0	-4.8	-3.2	-1.9	-3.1	-7.7	-7.2
25,000 to 49,999	808	-6.0	-2.1	-1.3	-11.0	-4.2	-2.5	+0.3	-2.9	-7.9	-9.3
10,000 to 24,999	1,743	-5.6	-6.4	-6.2	-10.5	-3.7	-2.8	-2.7	-2.4	-9.3	-5.8
Under 10,000	7,324	-4.7	-23.1	-1.0	-9.8	-3.8	-1.8	-2.5	-1.2	-9.4	-3.8

Source: 2010 FBI Uniform Crime Report

Figure 1. Import and export trends for dog and cat food

Under HTS code 230910 (harmonized tariff schedule code for dog and cat food), data shows both imports and exports of petfood rising this year.



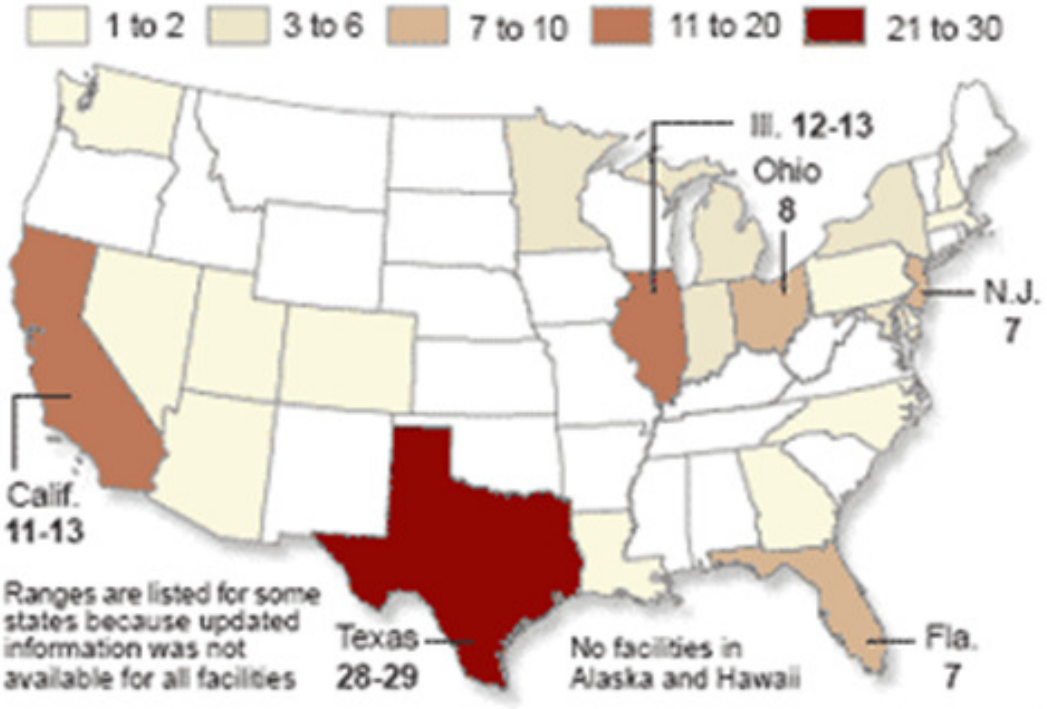

Over 100 Million People In U.S. Now Receiving Some Form Of Federal Welfare
Figures Count Means-Tested Welfare, Not Social Security Or Medicare
Number of Americans
108,000,000
106,000,000
104,000,000
102,000,000
100,000,000
98,000,000
96,000,000
94,000,000
2009 Q1
2009 Q2
2009 Q3
2009 Q4
2010 Q1
2010 Q2
2010 Q3
2010 Q4
2011 Q1
2011 Q2
Figures include anyone residing in a household in which at least one person received a program benefit.
Source: U.S. Census' Survey of Income and Program Participation.
Produced by Senate Budget Committee Republican staff, Ranking Member Jeff Sessions || http://budget.senate.gov/republican

2010

Chemical plants a potential risk

A report to Congress says that more than 100 chemical plants in 23 states are located in areas that could affect millions of people in a disaster. The report does not identify the facilities by name or exact location.

Facilities with large amounts of toxic and flammable material located near communities of at least 1 million people

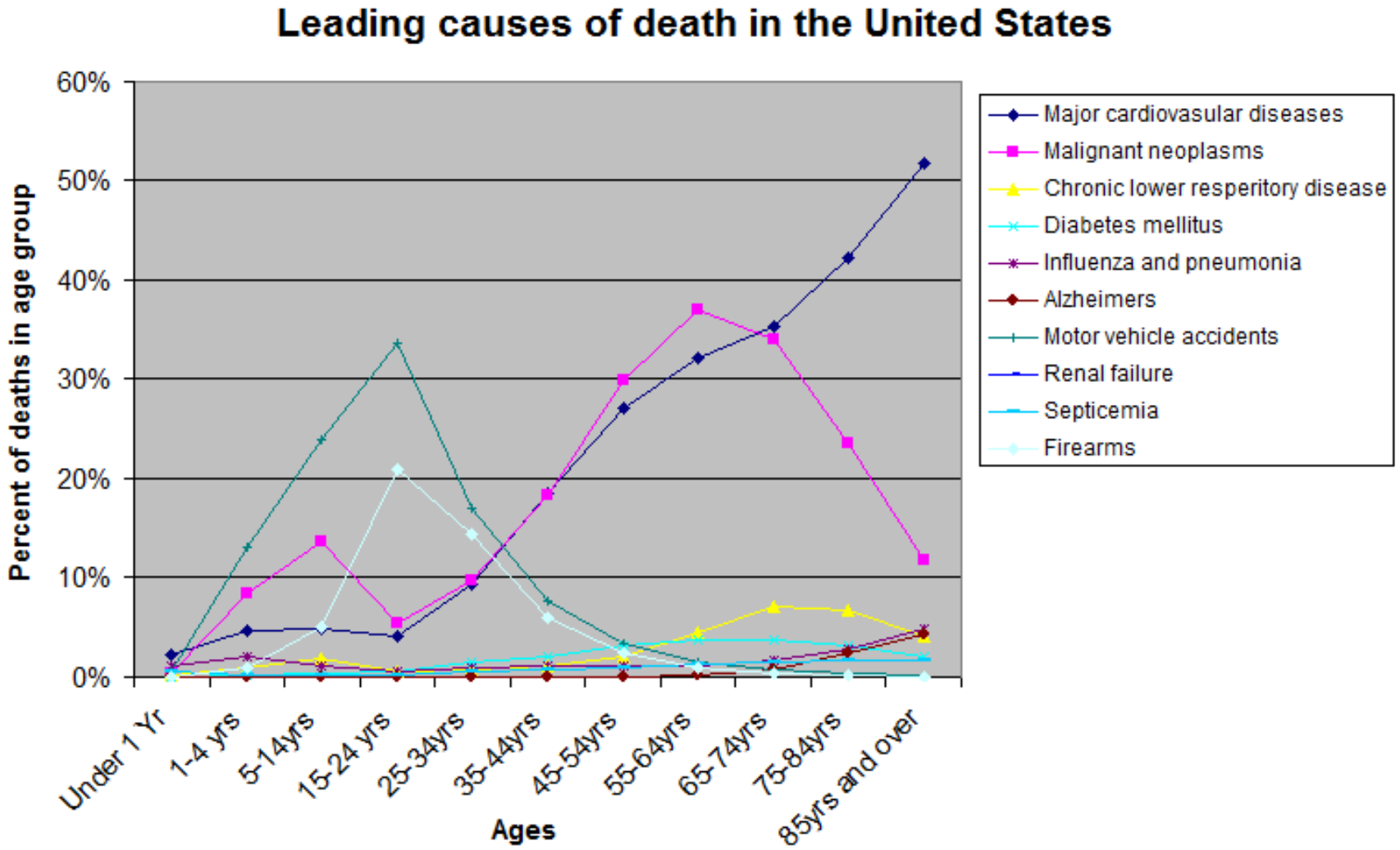


SOURCE: Congressional Research Service AP

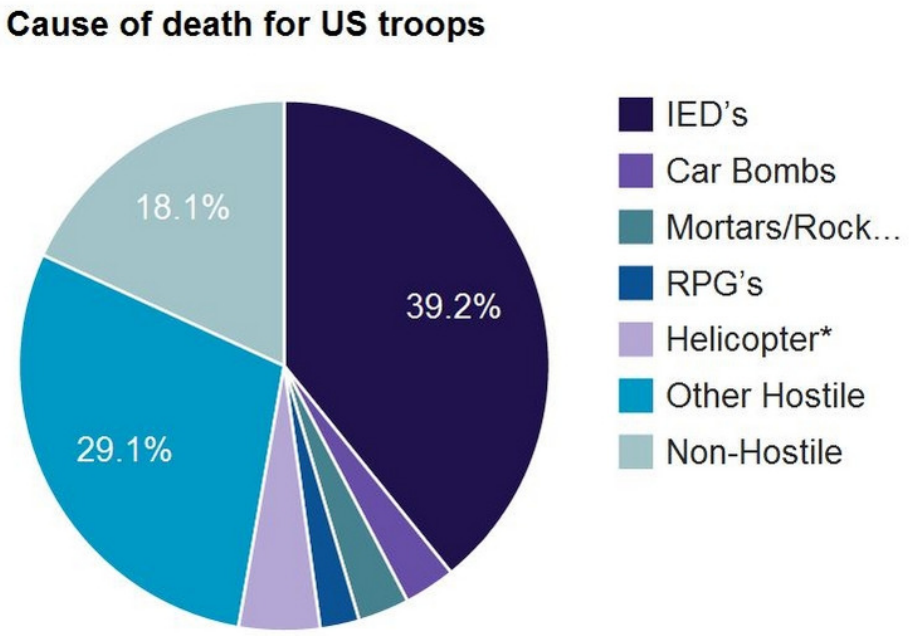
2010 CRIME CLOCK STATISTICS

A Violent Crime occurred every	**25.3 seconds**
One Murder every	35.6 minutes
One Forcible Rape every	6.2 minutes
One Robbery every	1.4 minutes
One Aggravated Assault every	40.5 seconds
A Property Crime occurred every	**3.5 seconds**
One Burglary every	14.6 seconds
One Larceny-theft every	5.1 seconds
One Motor Vehicle Theft every	42.8 seconds

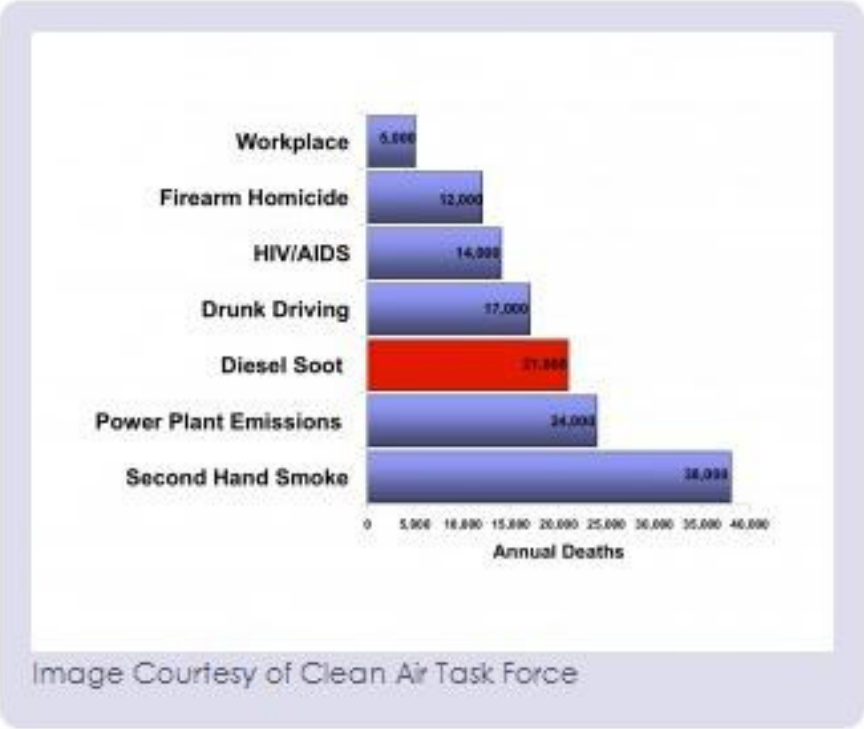
2010


Leading causes of death in the United States
Percent of deaths in age group
60%
50%
40%
30%
20%
10%
0%
Under 1 Yr
1-4 yrs
5-14yrs
15-24 yrs
25-34yrs
35-44yrs
45-54yrs
55-64yrs
65-74yrs
75-84yrs
85yrs and over
Ages
Major cardiovasular diseases
Malignant neoplasms
Chronic lower resperitory disease
Diabetes mellitus
Influenza and pneumonia
Alzheimers
Motor vehicle accidents
Renal failure
Septicemia
Firearms

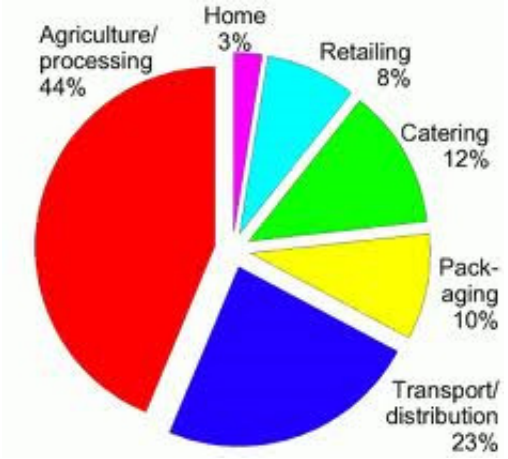
2010


Cause of death for US troops
18.1%
39.2%
29.1%
IED's
Car Bombs
Mortars/Rock...
RPG's
Helicopter*
Other Hostile
Non-Hostile

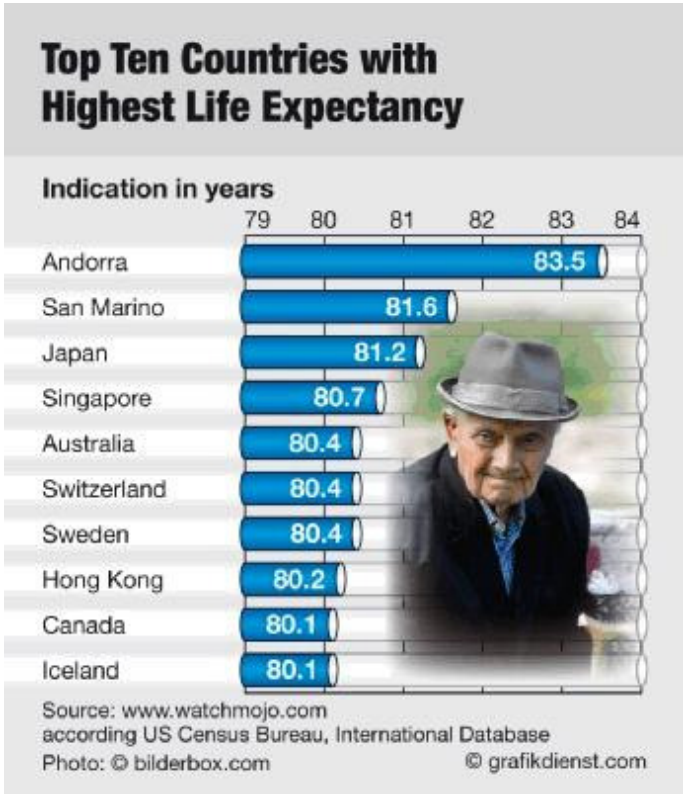
Mortality due to Air Quality vs Other Causes 2010 by Clean Air Task Force



energy in the food supply chain 2010 by DOE



2010


Top Ten Countries with Highest Life Expectancy
Indication in years
79 80 81 82 83 84
Andorra 83.5
San Marino 81.6
Japan 81.2
Singapore 80.7
Australia 80.4
Switzerland 80.4
Sweden 80.4
Hong Kong 80.2
Canada 80.1
Iceland 80.1
Source: www.watchmojo.com
according US Census Bureau, International Database
Photo: © bilderbox.com
© grafikdienst.com

2010

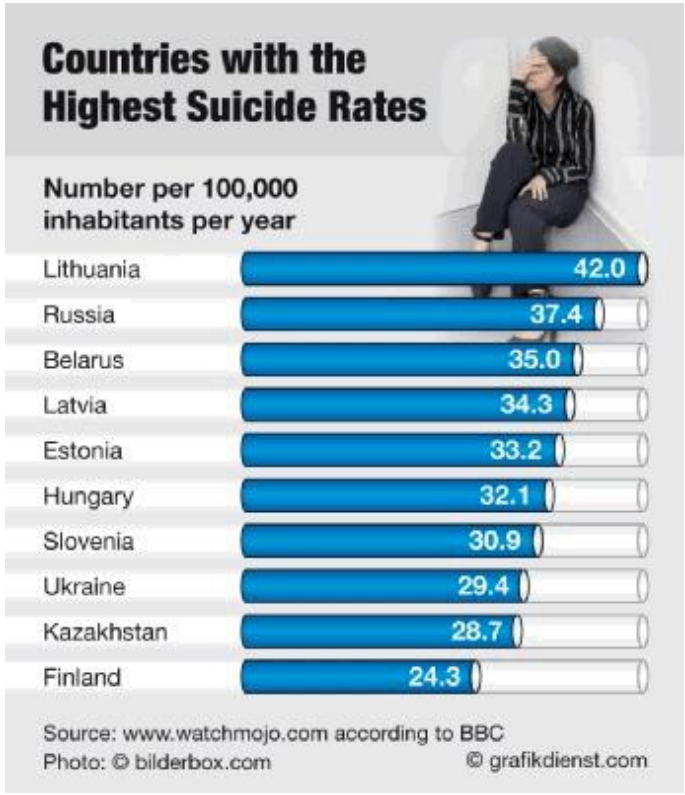
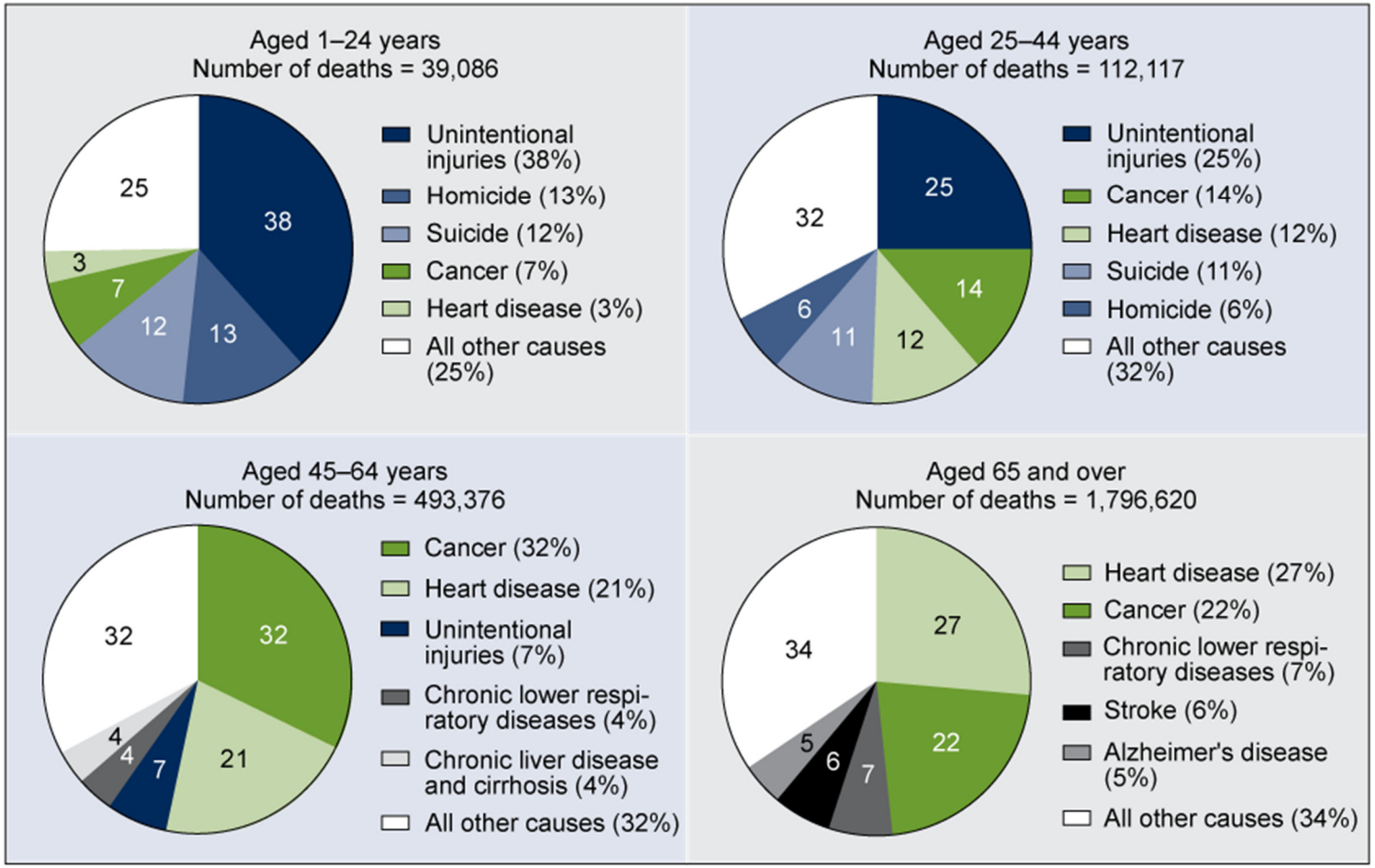

Countries with the Highest Suicide Rates
Number per 100,000 inhabitants per year
Lithuania 42.0
Russia 37.4
Belarus 35.0
Latvia 34.3
Estonia 33.2
Hungary 32.1
Slovenia 30.9
Ukraine 29.4
Kazakhstan 28.7
Finland 24.3
Source: www.watchmojo.com according to BBC
Photo: © bilderbox.com
© grafikdienst.com

Figure 4. Percent distribution of five leading causes of death, by age group: United States, preliminary 2010



SOURCE: National Vital Statistics System, Mortality.

**** Continued in document "Building a Needs Based Preparedness Plan 1– What are the odds-Possibilities, Probabilities & the Needs Based Prep Plan Part E ****