Investing In Kentucky's Future Kentucky Together Coalition

11th Annual Forum

Saturday, September 10, 2016

Demographic, Educational, Social, Employment and Economic Issues Facing Kentucky - Today and Tomorrow

Presented by:

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ARTICLES WW

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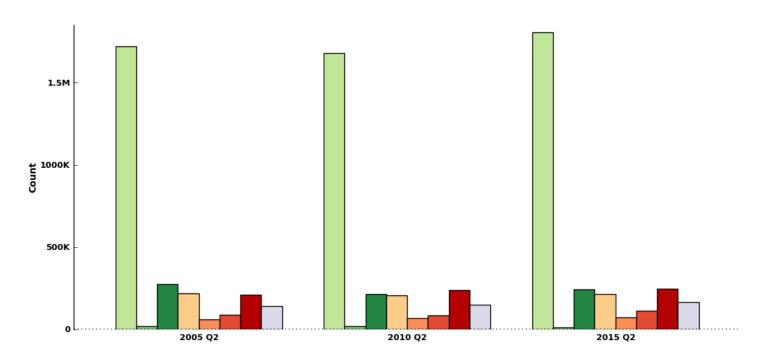
- * The Changing Face of America Diversity and Longevity plus World and U_S demographics 11-03-2014
- * The Future of Making Things, Building Things, Inventing Things, and Innovating Things The Goods KAM March, 2010
- * The New Future of the World 3 Converge Magazine -Spring, 2007

HANDOUTS

- * Poverty by Age by ADD by County 2010-2014 ACS
- * Transfer Payments and Per Capita Income Kentucky, ADDs and Counties Tables and Maps Table CA35 BEA 2014
- * Introduction & Population Change U.S., Kentucky, ADDs, Metropolitan, Micropolitan and Rural Counties 2000 Census, 2010 Census, 2015 Population Estimates
- * Educational Attainment 2010-2014 ACS and 2000 to 2010-2014 Change and Comparisons by Kentucky County by ADD
- * Educational Attainment by Gender 2010-2014 ACS
- * Map and Table Birth-Death Ratio for Kentucky nad ADD's with Counties 2014 Kentucky Office of Vital Statistics
- * Births 2014 Kentucky and Border States by Age TFR Race and Hispanic Origin NVSR
- * Births 23 pages Explanation Document, Birth Tables and Graphics, and Table 1Is -
- 1960 to 2014 Kentucky Vital Statistics 02-26-2016
- * Life Expectancy Table and Maps Male and Female Life Expectancy, rankings by county, and difference in years in life expectncy for Kentucky and United States IHME 2013
- * Populaiton Components of Population Change for Kentucky 2010-2014 07-16-2015
- * Population Graphics and Tables Number and Percent Composition of Population Kentucky and United States 1930-2014
- * Population Kentucky, ADD, and County Population Change by Decade 1900-2010
- * Birth Graphics Fertility Rates by Age, 1970 to 2013, and by Race-Hispanic Origin, 1990 to 2013 NVSS
- * Kentucky Population Trends and by Race-Hispanic Origin 1980-1990-2000-2010

Kentucky's Beginning of Quarter Employment: Counts by NAICS Sectors

Time: Selected Quarters: 2005 Q2 - 2015 Q2

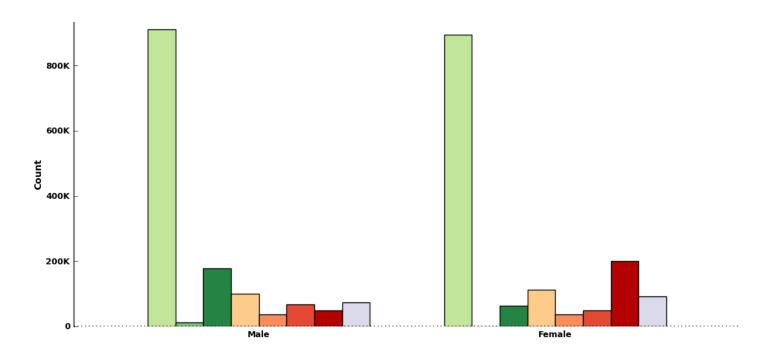


	All NAICS Sectors	Mining, Quarrying, and Oil and Gas Extraction	Manufacturing	Retail Trade
2005 Q2	1,721,195	20,055	275,189	217,231
2010 Q2	1,680,815	21,008	215,029	205,073
2015 Q2	1,805,898	14,047	241,854	213,062

	Professional, Scientific, and Technical Services	Administrative and Support and Waste Management and Remediation Services	Health Care and Social Assistance	Accommodation and Food Services
2005 Q2	61,936	88,605	212,122	142,112
2010 Q2	69,075	85,918	238,706	149,473
2015 Q2	74,099	115,324	248,296	164,923

Kentucky's Beginning of Quarter Employment: Counts by NAICS Sectors and Worker Sex

Time: 2015 Q2

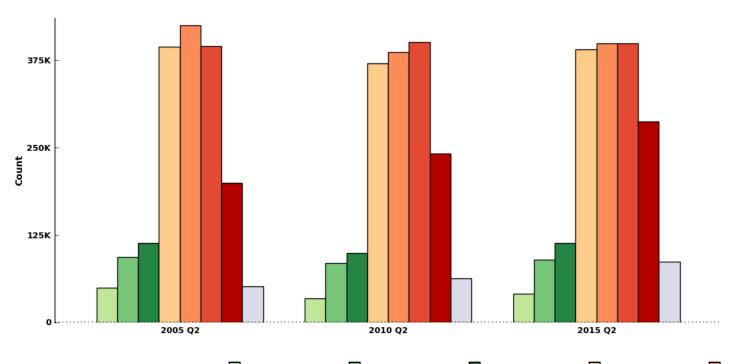


	All NAICS Sectors	Mining, Quarrying, and Oil and Gas Extraction	Manufacturing	Retail Trade
Male	911,236	13,202	177,989	100,580
Female	894,662	845	63,864	112,482

	Professional, Scientific, and Technical Services	Administrative and Support and Waste Management and Remediation Services	Health Care and Social Assistance	Accommodation and Food Services
Male	36,724	67,020	48,494	73,027
Female	37,375	48,303	199,801	91,895

Kentucky's Beginning of Quarter Employment: Counts by Worker Age

Time: Selected Quarters: 2005 Q2 - 2015 Q2

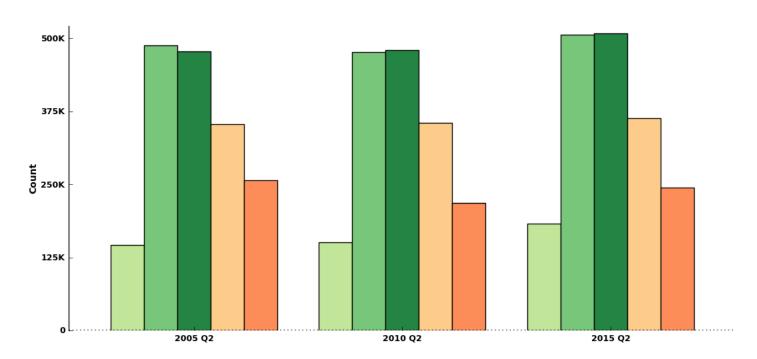


	14-18	19-21	22-24	25-34	35-44
2005 Q2	50,062	93,212	113,986	393,795	424,821
2010 Q2	34,563	84,855	98,808	370,656	386,983
2015 Q2	40,727	89,705	113,763	390,253	398,704

	45-54	55-64	65-99
2005 Q2	394,788	199,135	51,396
2010 Q2	400,520	241,084	63,345
2015 Q2	398,991	287,169	86,586

Kentucky's Beginning of Quarter Employment: Counts by Worker Education

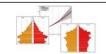
Time: Selected Quarters: 2005 Q2 - 2015 Q2



	Less than high	High school or equivalent, no college	Some college or Associate degree	Bachelor's degree or advanced degree	Educational attainment not available (workers aged 24 or younger)
2005 Q2	146,297	487,407	477,048	353,182	257,260
2010 Q2	151,145	475,967	480,340	355,137	218,226
2015 Q2	182,923	506,439	508,487	363,853	244,196



United Nations, Department of Economic and Social Affairs Population Division, Population Estimates and Projections Section



United Nations DESA Population Division About Us Publications Meetings Contact



Frequently Asked Questions

Data

Tables in EXCEL-Format

-

Population

Fertility Mortality

Migration

On-line Database

Population

Detailed Indicators

Key Indicators

Tables (self-sorting)

Population

Fertility Mortality

Population Ageing

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Fertility: Probabilistic Method

Fertility-Change Model

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Fertility Maps

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Probabilistic Population Proj.

Total Population

Population Age 0-14

Population Age 15-64

Population Age 65+

UN Model Life Tables

Life Table Data

Analyses: Lexis-Plots

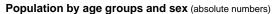
Analyses: Scatter-Plots

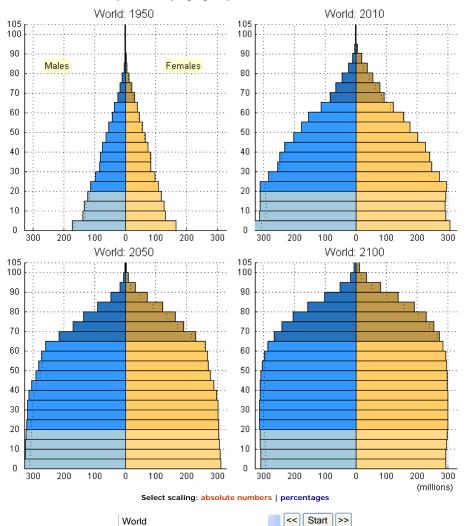
Analyses: Age-specific Mortality

Other Information
Order Form: CD-ROMs

World Urbanization Prospects
Publications: Previous Revisions

Contact: Projection Section



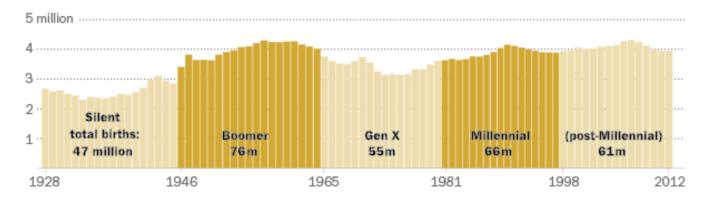


Note: The dotted line indicates the excess male or female population in certain age groups. Age groups are in thousands or millions.

Source: United Nations, Department of Economic and Social Affairs, Population Division (2011): World Population Prospects: The 2010 Revision, New York

Births Underlying Each Generation

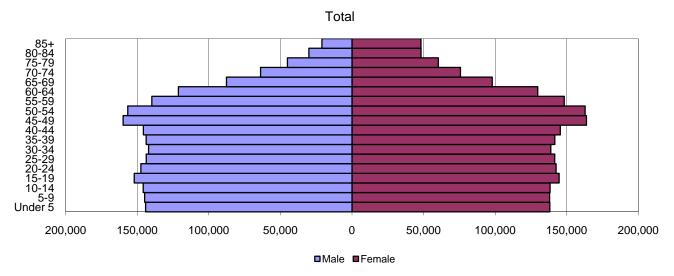
Number of U.S. births by year and generation



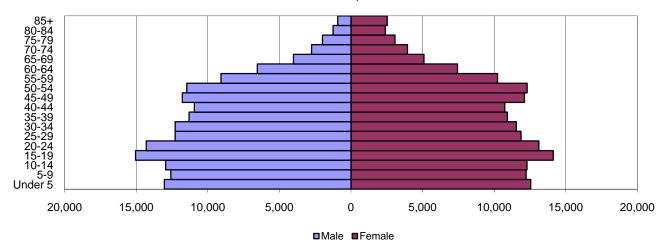
Source: U.S. Dept. of Health and Human Services National Center for Health Statistics

PEW RESEARCH CENTER

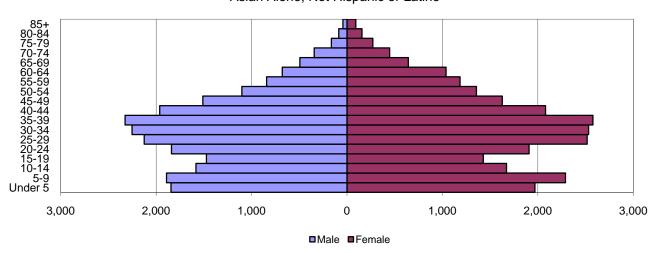
Kentucky 2010 Population Pyramids



Black Alone, Not Hispanic or Latino

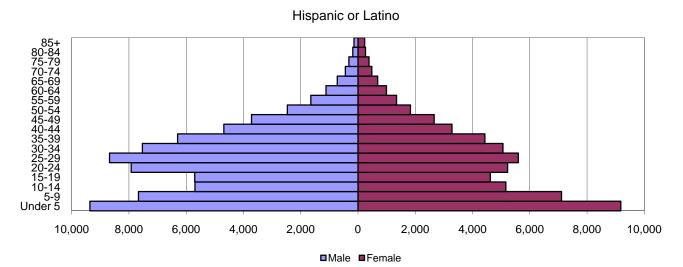


Asian Alone, Not Hispanic or Latino

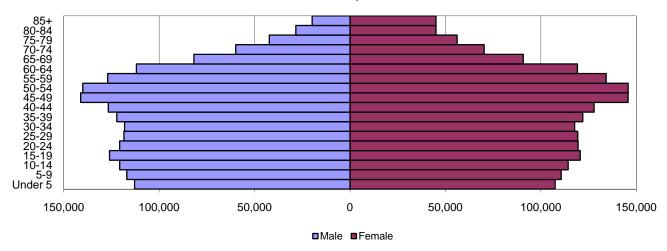


Source: Census Bureau: Census 2010

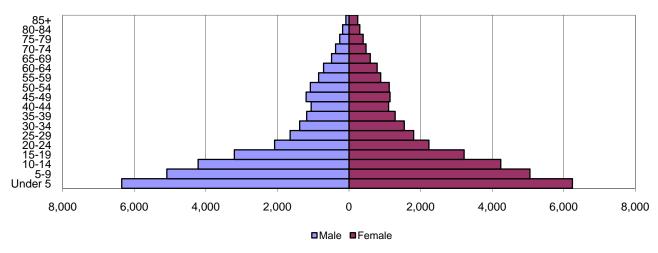
Kentucky 2010 Population Pyramids



White Alone, Not Hispanic or Latino

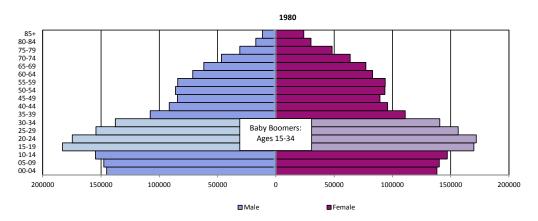


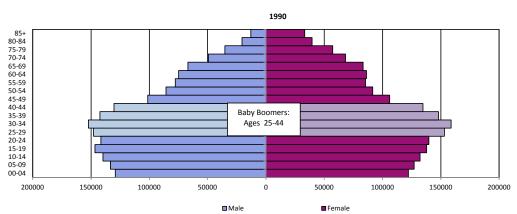
Two or More Races, Not Hispanic or Latino

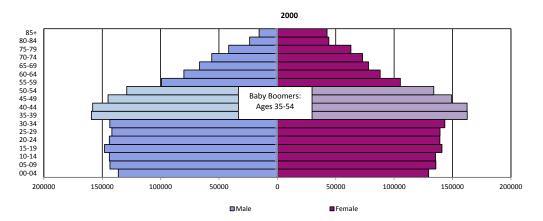


Source: Census Bureau: Census 2010

Kentucky







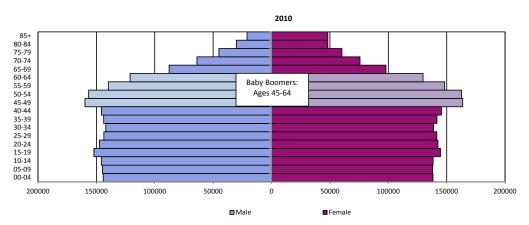
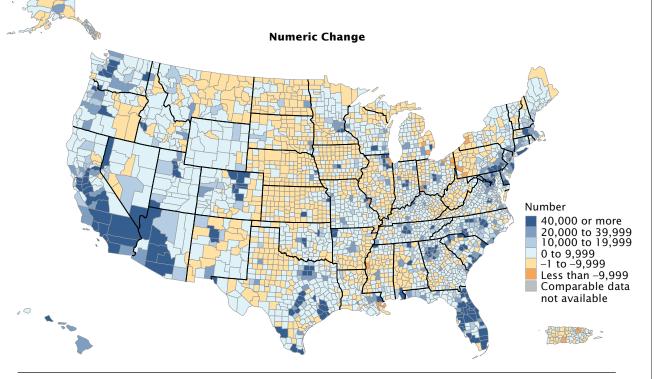
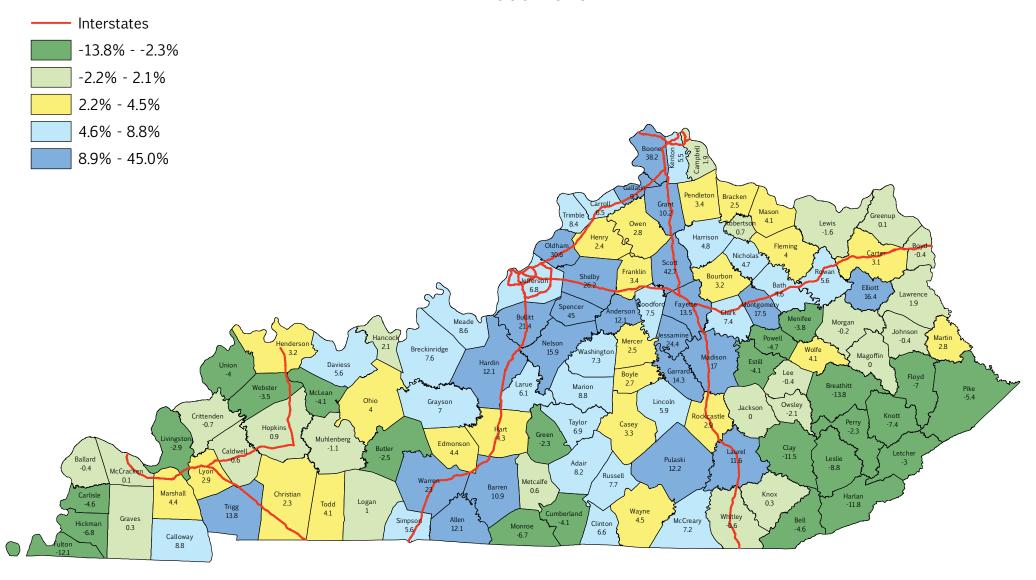


Figure 5. Change in Population by County: 2000 to 2010

(For information on confidentiality protection, nonsampling error, and definitions, see www.census.gov/prod/cen2010/doc/pl94-171.pdf)



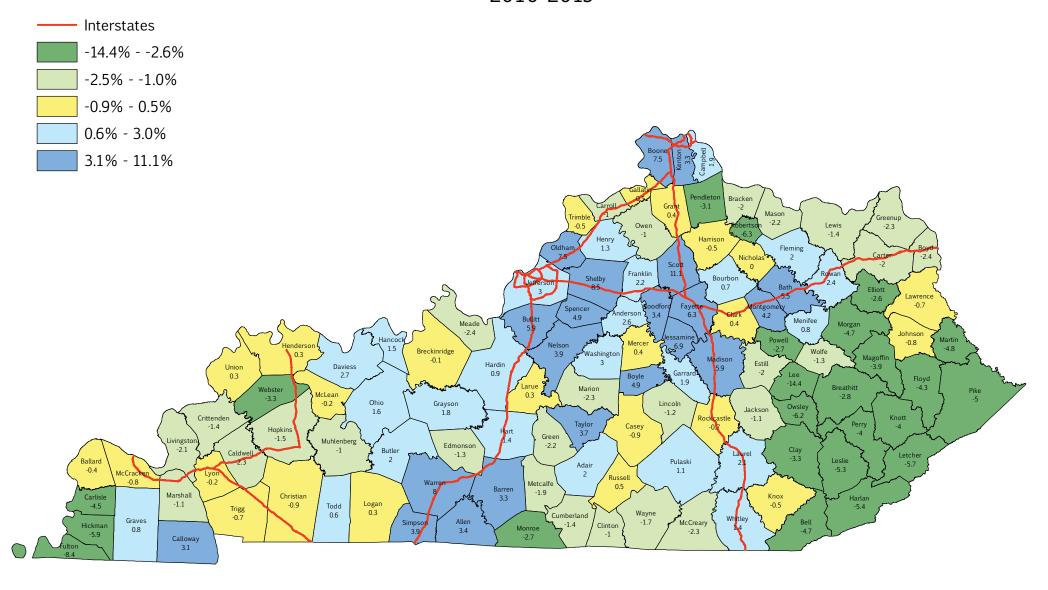
Percent Change in Poulation by County 2000-2010



Kentucky: +7.4%

Source: United States Census Bureau, Decennial Census 2000 & 2010

Percent Change in Poulation by County 2010-2015



Kentucky: +2.0%

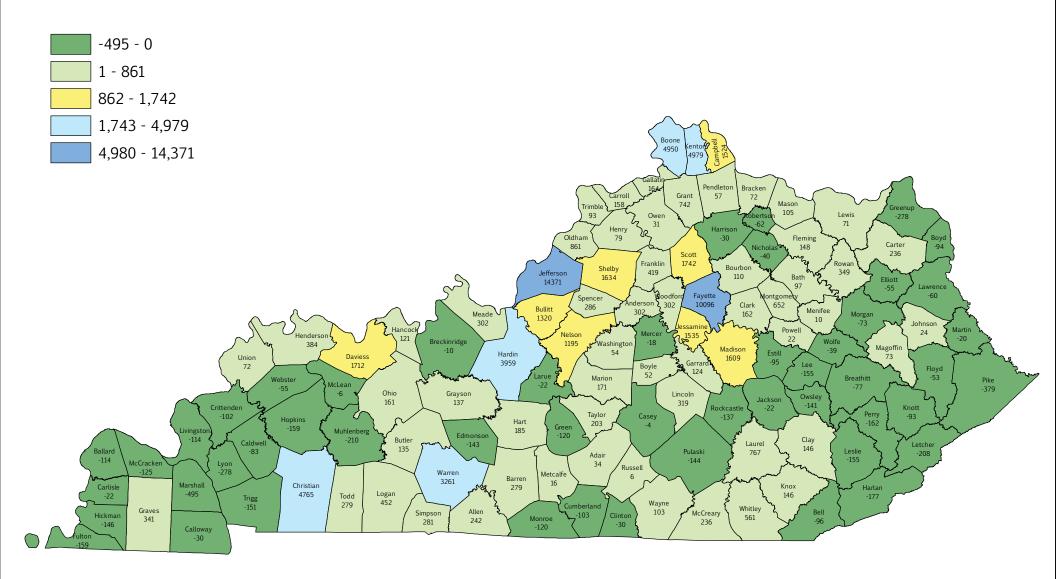
Source: United States Census Bureau, Population Estimates

Kentucky and United States Metropolitan Micropolitan, and Rural Population Change

		2010				2015				Percent Change			
	Total	Metro	Micro	Rural	Total	Metro	Micro	Rural	Total	Metro	Micro	Rural	
United States	308,758,105	262,464,496	27,153,112	19,140,497	321,418,715	275,252,217	27,260,617	18,905,881	4.1%	4.9%	0.4%	-1.2%	
Kentucky	4,339,349	2,499,352	835,458	1,006,549	4,425,092	2,589,407	848,552	989,148	2.0%	3.6%	1.6%	-1.7%	

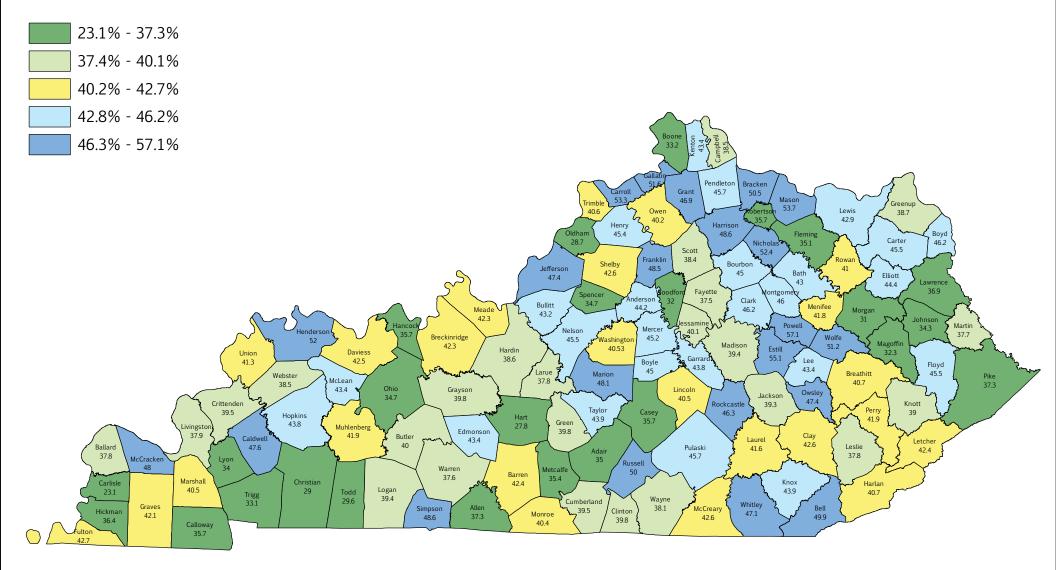
Source: United States Census Bureau, Population Estimates Program, 2010-2015

Components of Kentucky Population Change, 2010-2015 Natural Increase



Source: United States Census Bureau, Population Estimates Program (PEP), Components of Resident Population Change, 2010-2015

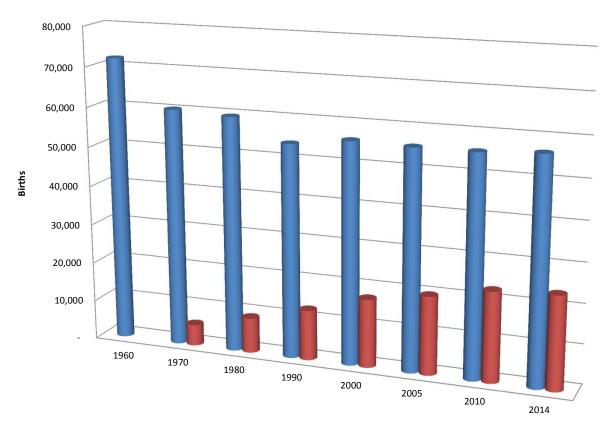
2014 Unmarried Birth Rate by County



Kentucky: 41.8%

Source: Office of Vital Statistics, Department for Public Health, Kentucky Cabinet for Health and Family Services

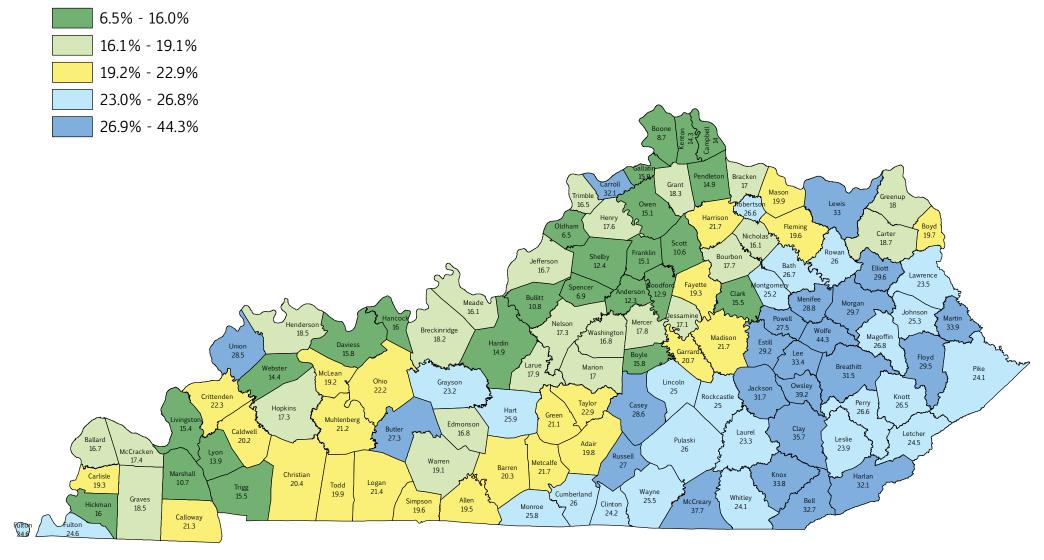




	1960	1970	1980	1990	2000	2005	2010	2014
■ Total Births	72,018	60,251	59,550	54,061	55,978	55,590	55,672	56,539
■ Unmarried Births		5,390	8,925	12,738	17,352	19,866	22,849	23,648

19

Total Poverty Levels by County, 2014 American Community Survey, 2010-2014



Kentucky: 18.9%

Source: United States Census Bureau, American Community Survey, 2010-2014

12/31/2015

Statewide Summary

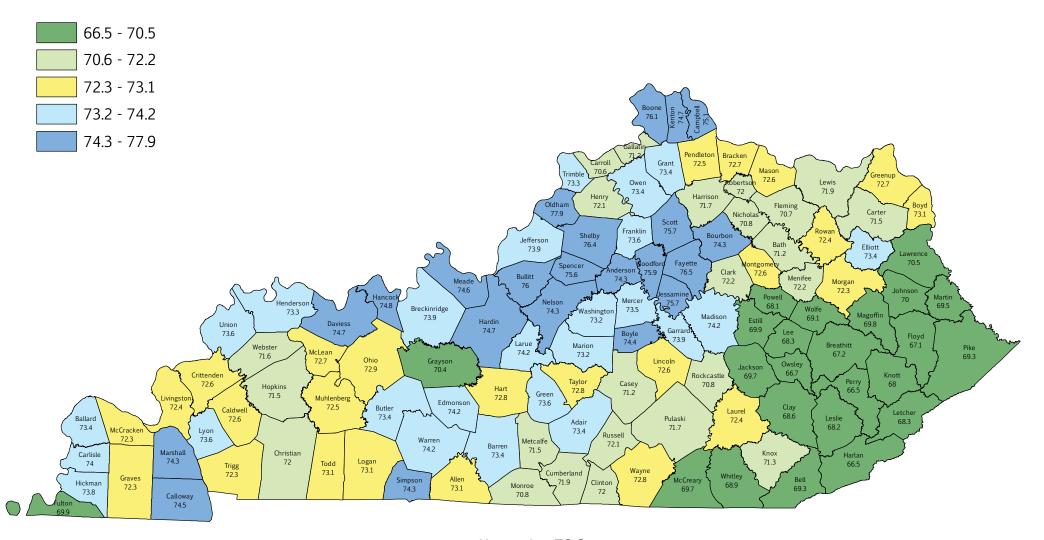
Commonwealth of Kentucky

Cabinet for Health and Family Services

Population		Per Capita Income Percent E				Percent Bel	ow Po	verty
4,413,457		\$32,62	\$32,629.64				%	
Available Child		Number of C	CHFS I	Employees			,	7,467
Licensed	165,939	Number of F	Number of Family Resource Youth Service Ctrs					816
Certified Unregulated	1,913 495	Annual Fami	Annual Family Resource Youth Service Grants					2,876
Total	168,347	Number of P	Number of Public Transportation Providers					153
Food Stamps								
Number of Food	Stamp Cases	333,500)	Total Mo	nthly Red	deemed	\$83,982	2,855
Average Benefit		\$251.82	•	Total Red	cipients		69′	7,056
K-TAP								
Number of K-TA	AP Cases	17,502	ŕ	Total Mo	onthly Gra	ant	\$4,14	1,995
Average Grant		\$236.66	I	Total Re	cipients		34	4,611
Total Number of	Adults	6,587	,	Total Nu	mber of	Children	28	8,024
Number of Male % Males	s	914 13.88	emidien with Deprivation				17	7,740
Number of Fema	lles	5,673						
% Females	1	86.12 1,323		Number	of Minor	ity Recipient	s 8	8,526
Adults Not Employed		ŕ		1 202				
	loyed But Who H			4,382		TZ TEAD		
Length of Time have been receive			ilies w ngest (K-TAP Cases wit	h:	
6 months or less		Unde		1,715		0 Pare		8,140
7 to 12 months	2,182	1 to 2	2	3,268		1 Pare	nt 8	8,279
13 to 18 months	1,952	3 to 4	1	2,602		2 Paren	ts	1,083
19 to 24 months	1,683	5 to 6	5	2,073	#	Minor Paren	ts	300
Over 2 years	8,374		ny chilo over	d 2,089				
Educational Lev	el of K-TAP Adı	ılt <u>s</u>		<u>Ag</u>	<u>ges</u>			
Less than High School or College or Above	GED but less that		248 231 1	21 - 35 1,245 3,339 38	36 - 45 362 712 33	46 - up 181 154 9		

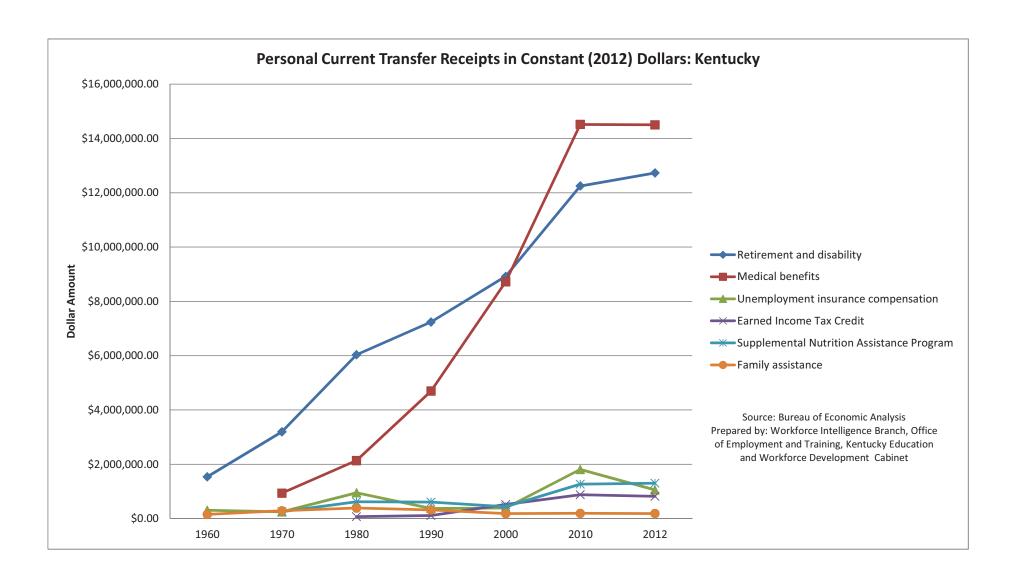
*****See Attachment A for Data Source Information*****

Life Expectancy for Males in Kentucky by County, 2013 Institute for Health Metrics and Evaluation



Kentucky: 73.2 United States: 76.5

Source: Institute for Health Metrics and Evaluation, University of Washington



'Double Irish With a Dutch Sandwich'

Related Article »

Numerous companies take advantage of loopholes in international laws to move profits around the world, avoiding taxes. Many of these techniques rely on transferring profits on patent royalties to places like Ireland. Here is one technique typical of what Apple and others pioneered.

START HERE

U.S. consumer

If the profits from the sale of a product stay in the United States, they would be subject to a federal tax of 35 percent. But if money is paid to an Irish subsidiary as royalties on patents the company owns, it can ultimately be taxed at far lower rates.

PRODUCT



Overseas consumer

PRODUCT

When the same product is sold overseas, money from the sale is sent to a second Irish subsidiary.

> Second Irish subsidiary

Irish subsidiary

Because of a quirk in Irish law, if the Irish subsidiary is controlled by managers elsewhere, like the Caribbean, then the profits can skip across the world tax-free.

Manufacturing subsidiary

At one time, a company would actually manufacture products in Ireland. But today, it's more likely to use factories in China, Brazil or India that ship directly to consumers.

Caribbean or other tax haven

The profits can land in an overseas tax haven where they are stored, invisible to authorities, for years.



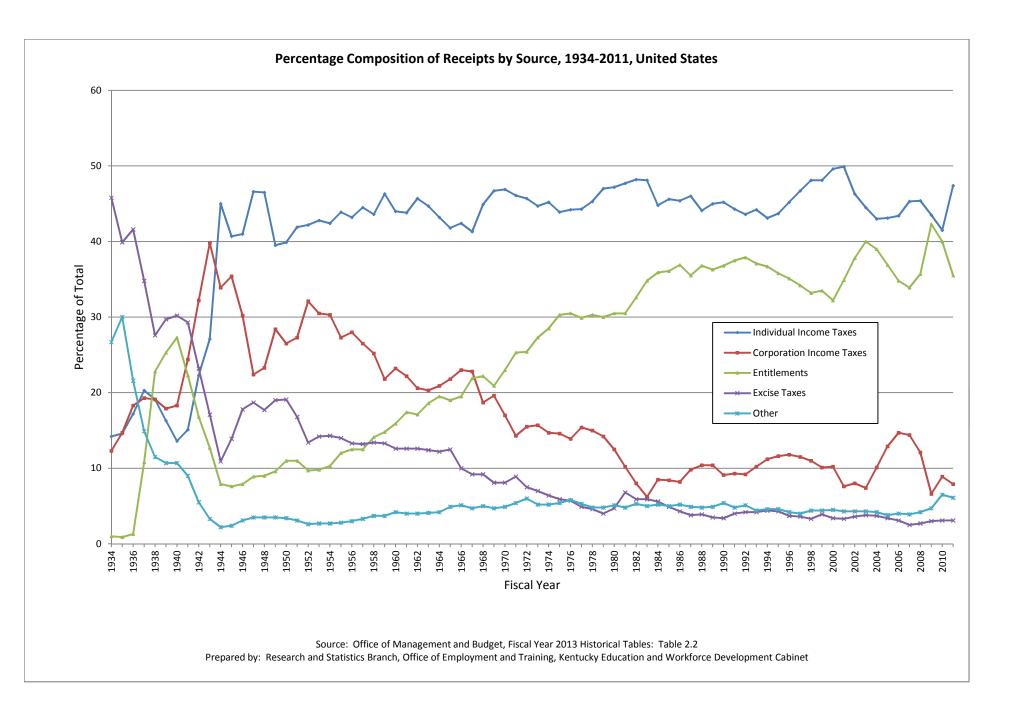
Netherlands

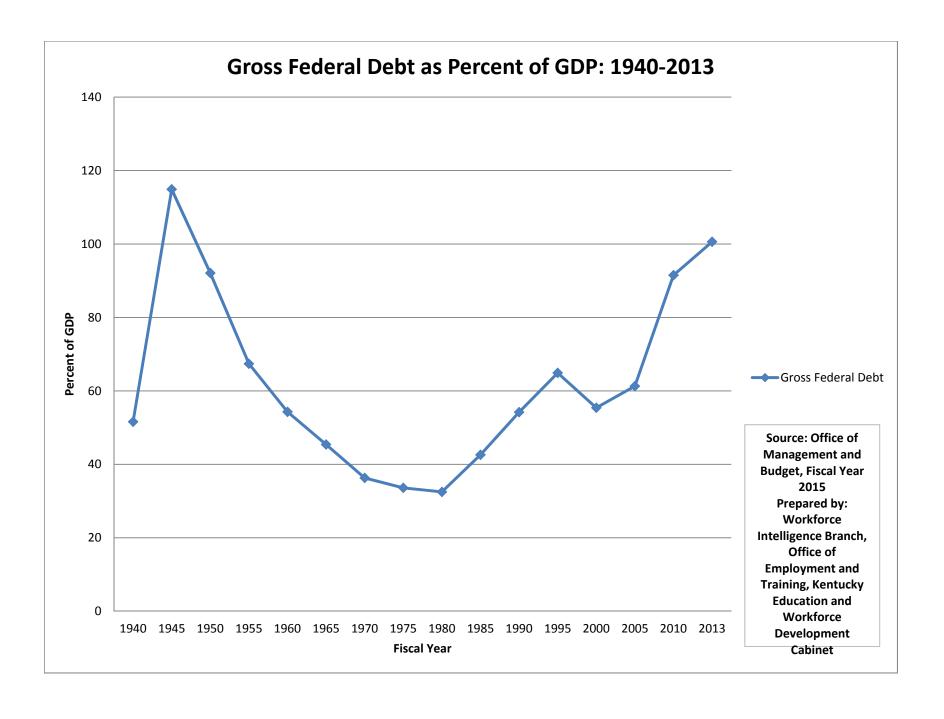
And because of Irish treaties that make some inter-European transfers tax-free, the company can avoid taxes by routing the profits through the Netherlands ...

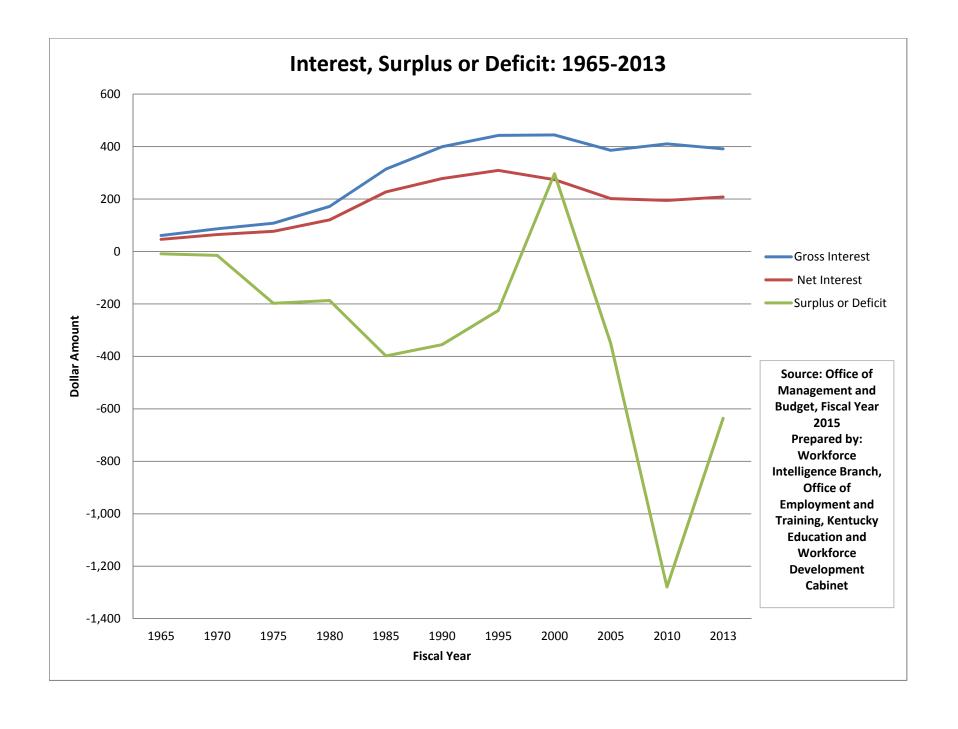
... and then back to the first Irish subsidiary, which sends the profits to the overseas tax haven













July 10, 2012

The Machine and the Garden

By ERIC LIU and NICK HANAUER Seattle

WE are prisoners of the metaphors we use, even when they are wildly misleading. Consider how political candidates talk about the economy. Last month President Obama praised immigrants as "the greatest economic engine the world has ever known." Mitt Romney says that extending the Bush-era tax cuts will "fuel" a recovery. Others fear a "stall" in job growth.

Call it the "Machinebrain" picture of the world: markets are perfectly efficient, humans perfectly rational, incentives perfectly clear and outcomes perfectly appropriate. From this a series of other truths necessarily follows: regulation and taxes are inherently regrettable because they impede the machine's optimal workings. Government fiscal stimulus is wasteful. The rich by definition deserve to be so and the poor as well.

This self-enclosed metaphor is the gospel of market fundamentalists. But there is simply no evidence for it. Empirically, trickle-down economics has failed. Tax cuts for the rich have never once yielded more net revenue for the country. The 2008 crash and the Great Recession prove irrefutably how inefficient and irrational markets truly are.

What we require now is a new framework for thinking and talking about the economy, grounded in modern understandings of how things actually work. Economies, as social scientists now understand, aren't simple, linear and predictable, but complex, nonlinear and ecosystemic. An economy isn't a machine; it's a garden. It can be fruitful if well tended, but will be overrun by noxious weeds if not.

In this new framework, which we call Gardenbrain, markets are not perfectly efficient but can be effective if well managed. Where Machinebrain posits that it's every man for himself, Gardenbrain recognizes that we're all better off when we're all better off. Where Machinebrain treats radical inequality as purely the predictable result of unequally distributed talent and work ethic, Gardenbrain reveals it as equally the self-reinforcing and compounding result of unequally distributed opportunity.

Gardenbrain challenges many of today's most conventional policy ideas.

Consider regulation. Under the prevailing assumption, regulation is an unfortunate interruption of a frictionless process of wealth creation in a self-correcting market. But Gardenbrain allows us to see that an economy cannot self-correct any more than a garden can self-tend. And regulation — the creation of standards to raise the quality of economic life — is the work of seeding useful activity and weeding harmful activity.

ar Cardonorum Leonomy 1/11mies.com

Is it possible to garden clumsily and ineffectively? Of 28 course. Wise regulation, however, is how human societies turn a useless jungle into a prosperous garden. This explains why wherever on earth one finds successful private companies, one also finds a well-regulated economy, and where regulation is absent we find widespread poverty.

Or take taxes. Under the efficient-market hypothesis, taxes are an extraction of resources from the jobs machine, or more literally, taking money out of the economy. It is not just separate from economic activity, but hostile to it. This is why most Americans believe that lower taxes will automatically lead to more prosperity. Yet if there were a shred of truth to this, then given our historically low tax rates we would today be drowning in jobs and general prosperity.

Gardenbrain, in contrast, allows us to recognize taxes as basic nutrients that sustain the garden. A well-designed tax system — in which everyone contributes and benefits — ensures that nutrients are circulated widely to fertilize and foster growth. Reducing taxes on the very wealthiest on the idea that they are "job creators" is folly. Jobs are the consequence of an organic feedback loop between consumers and businesses, and it's the demand from a thriving middle class that truly creates jobs. The problem with today's severe concentration of wealth, then, isn't that it's unfair, though it might be; it's that it kills middle-class demand. Lasting growth doesn't trickle down; it emerges from the middle out.

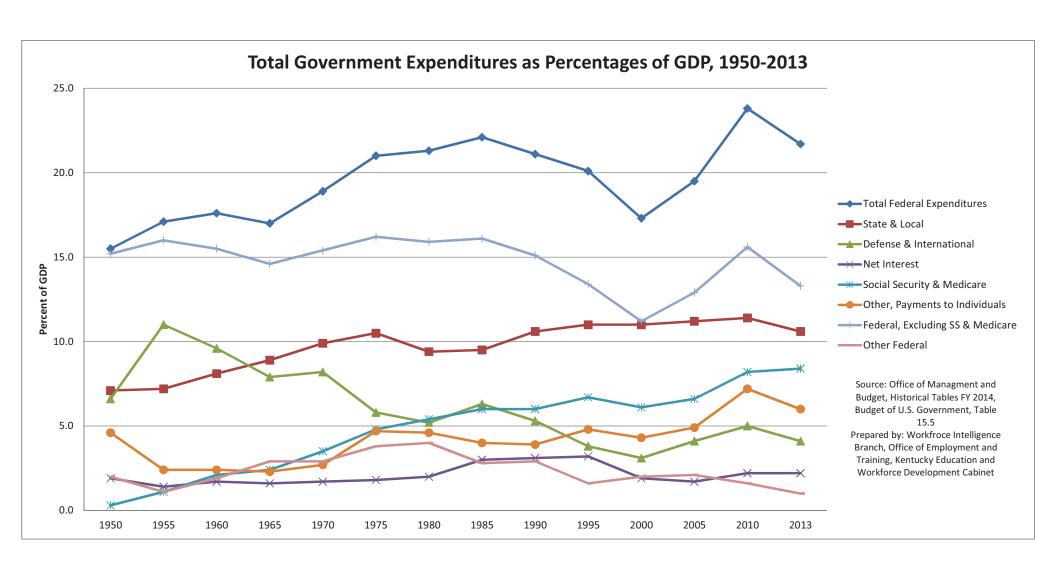
Lastly, consider spending. The word spending means literally "to use up or extinguish value," and most Americans believe that's exactly what government does with their tax dollars. But government spending is not a single-step transaction that burns money as an engine burns fuel; it's part of a continuous feedback loop that circulates money. Government no more spends our money than a garden spends water or a body spends blood. To spend tax dollars on education and health is to circulate nutrients through the garden.

True, not all spending is equally useful, and not every worthy idea for spending is affordable. But this perspective helps us understand why the most prosperous economies are those that tax and spend the most, while those that tax and spend the least are failures. More important, it clarifies why more austerity cannot revive an already weak private economy and why more spending can.

Seeing the economy this way does not make you anti-capitalist. In fact, nothing could be more probusiness and pro-growth than a Gardenbrain approach — because by focusing our attention on the long term over the short, on the power of markets to create wealth through evolutionary adaptations and on the health of the whole rather than a part, it gives us prosperity that is widely shared, sustained and self-reinforcing.

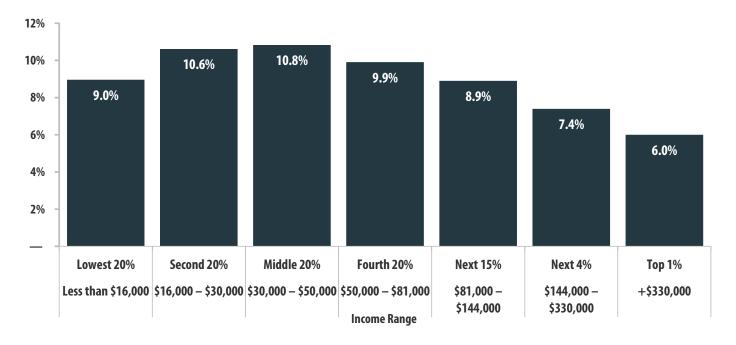
Humans, it is said, originated in a garden. Perhaps that is why we understand so intuitively what it takes to be great gardeners. Find the right ground and cast the seed. Fertilize, water and weed. Know the difference between blight and bounty. Adapt to changing weather and seasons. Turn the soil. This is how a fruitful economy grows.

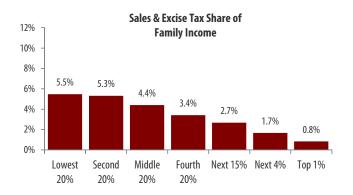
Eric Liu and Nick Hanauer are the authors of "The Gardens of Democracy: A New American Story of Citizenship, the Economy and the Role of Government."

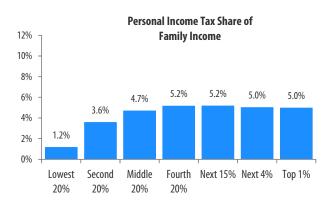


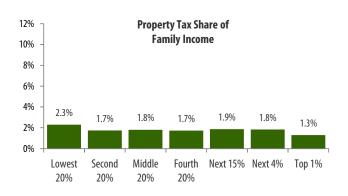
Kentucky State & Local Taxes in 2015

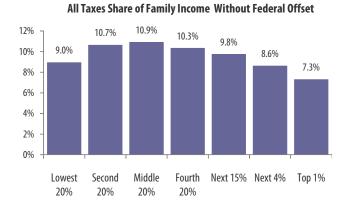
Shares of family income for non-elderly taxpayers











Note: Figures show permanent law in Kentucky enacted through December 31, 2014 at 2012 income levels. Top figure represents total state and local taxes as a share of income, post-federal offset.

Kentucky State & Local Taxes in 2015

Details, Tax Code Features, & Tax Code Changes Enacted in 2013 & 2014

In come Cuerry	Lowest	Second	Middle	Fourth	Top 20% Next 15% Next 4% TOP 1%		
Income Group	20%	20%	20%	20%			TOP 1%
Income Range	Less than	\$16,000 -	\$30,000 -	\$50,000 -	\$81,000 –	\$144,000 –	\$330,000
92	\$16,000	\$30,000	\$50,000	\$81,000	\$144,000	\$330,000	or more
Average Income in Group	\$9,100	\$23,000	\$38,300	\$62,500	\$102,000	\$202,600	\$839,500
Sales & Excise Taxes	5.5%	5.3%	4.4%	3.4%	2.7%	1.7%	0.8%
General Sales—Individuals	2.5%	2.6%	2.3%	1.8%	1.5%	0.9%	0.5%
Other Sales & Excise—Ind.	1.2%	1.0%	0.8%	0.6%	0.4%	0.2%	0.1%
Sales & Excise on Business	1.8%	1.7%	1.3%	1.0%	0.8%	0.5%	0.3%
Property Taxes	2.3%	1.7%	1.8%	1.7%	1.9%	1.8%	1.3%
Property Taxes on Families	2.3%	1.7%	1.8%	1.7%	1.8%	1.5%	0.7%
Other Property Taxes	0.0%	0.1%	0.0%	0.1%	0.1%	0.3%	0.6%
Income Taxes	1.2%	3.6%	4.7%	5.2%	5.2%	5.1%	5.2 %
Personal Income Tax (State and Local)	1.2%	3.6%	4.7%	5.2%	5.2%	5.0%	5.0%
Corporate Income Tax	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%
Total Taxes	9.0%	10.7%	10.9%	10.3%	9.8%	8.6%	7.3%
Federal Deduction Offset	-0.0%	-0.0%	-0.1%	-0.4%	-0.9%	-1.2%	-1.3%
OVERALL TOTAL	9.0%	10.6%	10.8%	9.9%	8.9 %	7.4%	6.0%

Note: Table shows detailed breakout of data on previous page.

Kentucky Tax Code Features

Progressive Features

- Graduated personal income tax structure
- Provides an income tax credit for child and dependent care expenses
- Provides a low-income tax credit linked to the federal poverty level
- Sales tax base excludes groceries

Regressive Features

- Fails to provide refundable income tax credits to offset sales, excise and property taxes
- Fails to use combined reporting as part of its corporate income tax

Tax Changes Enacted in 2013 & 2014

Personal income tax credits were reduced from \$20 to \$10 for single filers (from \$40 to \$20 for married couples)

ITEP Tax Inequality Index

According to ITEP's Tax Inequality Index, Kentucky has the **33rd** most unfair state and local tax system in the country. States with regressive tax structures have negative tax inequality indexes, meaning that incomes are less equal in those states after state and local taxes than before (See Appendix B for state-by-state rankings and more details).

Taxes: Regressive or Progressive, Income Tax or Fair or Flat or VAT?

(1) Coming to a reasoned judgment about tax policy requires clarifying your own values about fairness, sifting through some subtle conceptual issues, and, perhaps hardest of all, evaluating the conflicting claims about the economic impact of tax alternatives. (page 305)

Tax Cuts as a Trojan Horse

(2) For many advocates of tax cuts, the real objective is not the tax system but rather the size of government, and tax cuts are really a tactical weapon in the battle to downsize government. The idea is to lower taxes and hope that politicians' (and voters') fear of deficits and dislike of tax increases will force expenditures below what they would other be. Because the ultimate objective is to limit spending initiatives, this is a good idea only if the benefits of the spending that is cut or forestalled fall short of their cost. So the real issue is not the tax system but the proper size and scope of government. (page 306)

Source: Taxing Ourselves: A Citizen's Guide to the Debate over Taxes, Fourth Edition; Joel Slemrod and Jon Bakija, The MIT Press, 2008