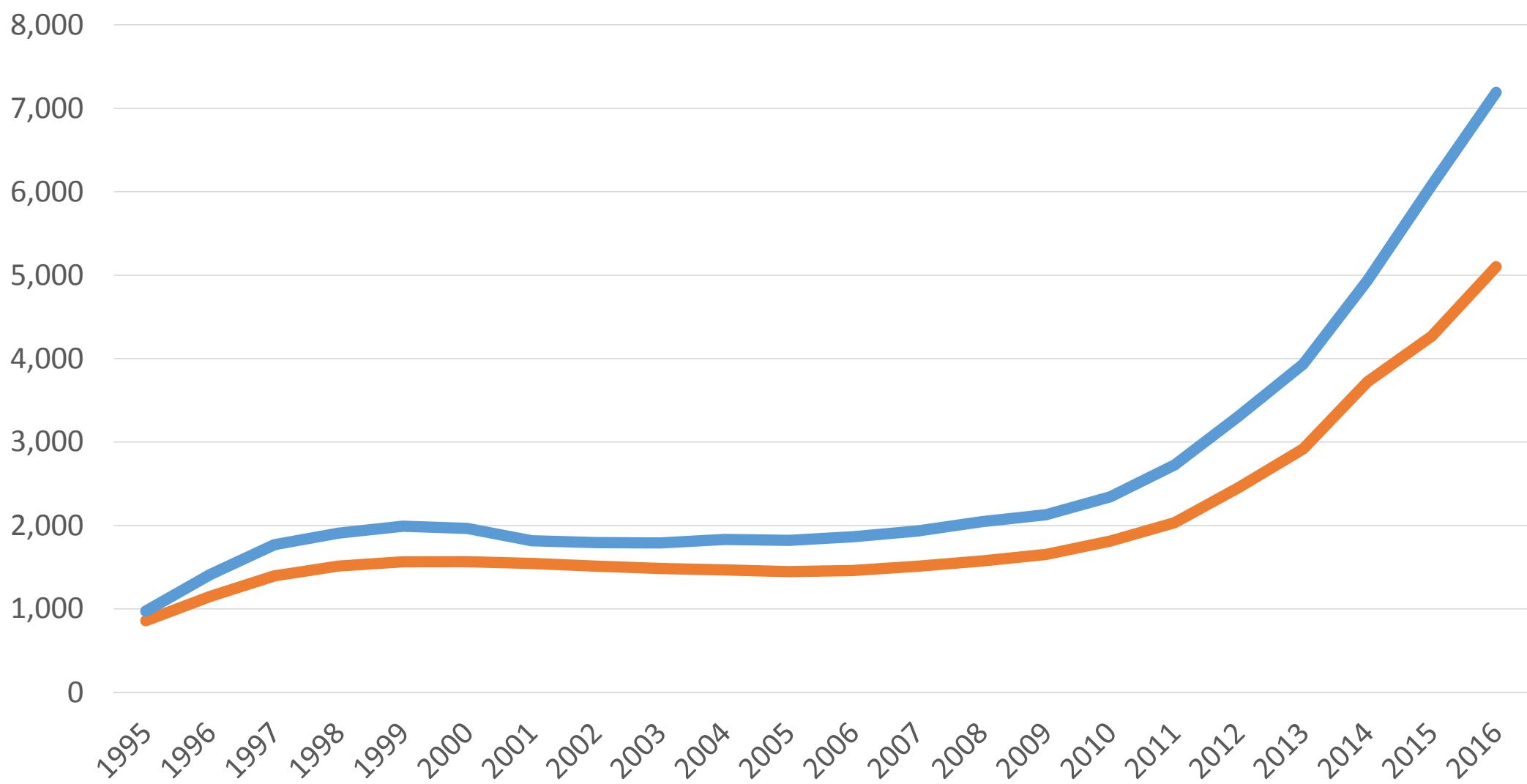


US Brewing: Current Trends

Bart Watson, PhD
Chief Economist
Brewers Association



Breweries and Brewery Permits, 1995-2016



TTB Permitted Brewery Count

7,180 as of 12/31/2016

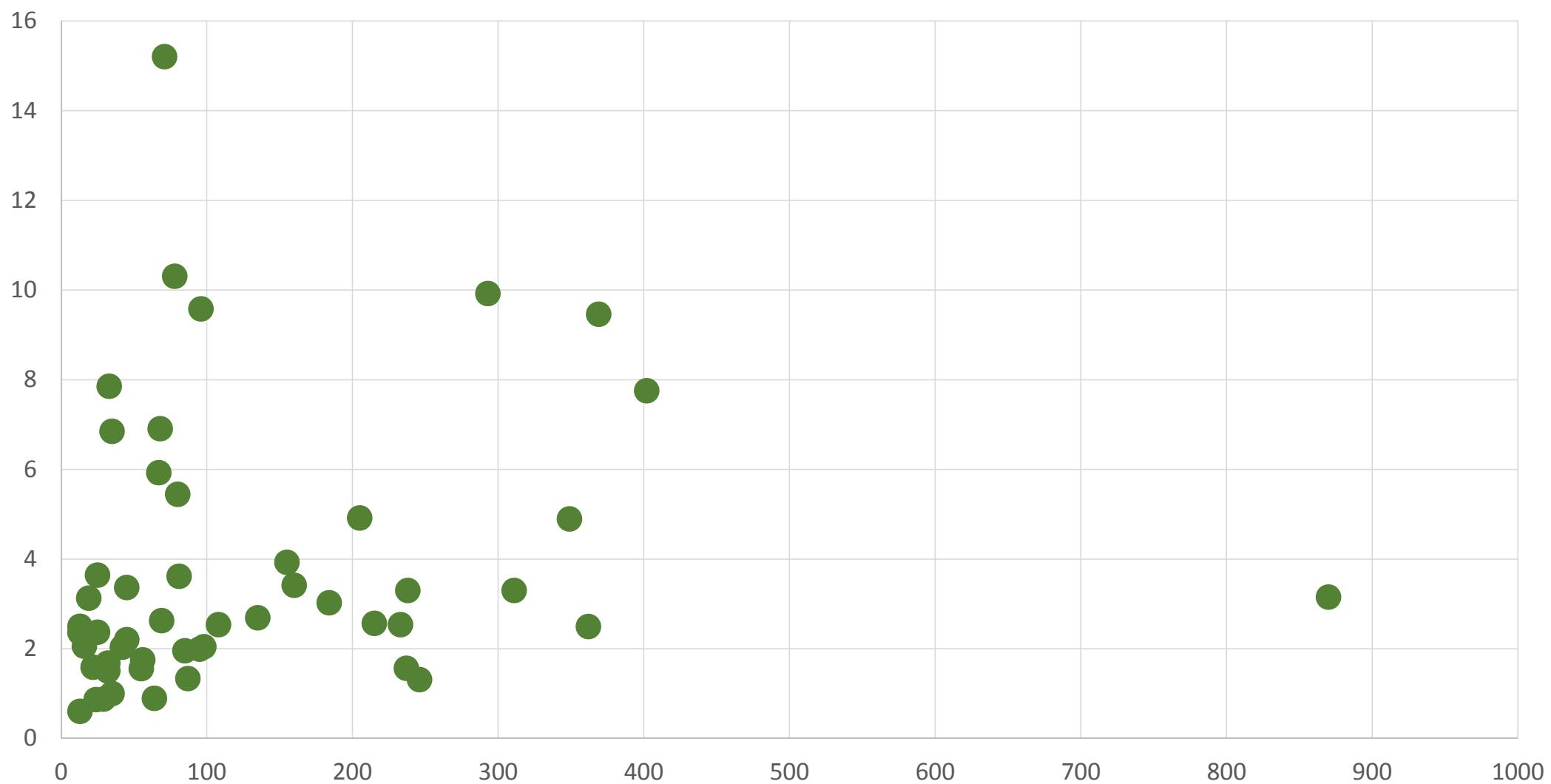
State	Count	State	Count	State	Count
Alabama	37	Kentucky	60	North Dakota	15
Alaska	36	Louisiana	34	Ohio	236
Arizona	110	Maine	102	Oklahoma	26
Arkansas	34	Maryland	88	Oregon	304
California	927	Massachusetts	146	Pennsylvania	333
Colorado	386	Michigan	379	Rhode Island	17
Connecticut	76	Minnesota	165	South Carolina	59
Delaware	25	Mississippi	14	South Dakota	21
DC	13	Missouri	116	Tennessee	101
Florida	264	Montana	79	Texas	266
Georgia	69	Nebraska	47	Utah	34
Hawaii	23	Nevada	44	Vermont	73
Idaho	67	New Hampshire	73	Virginia	209
Illinois	244	New Jersey	96	Washington	424
Indiana	163	New Mexico	86	West Virginia	24
Iowa	94	New York	394	Wisconsin	217
Kansas	47	North Carolina	260	Wyoming	33

Source: NBWA and TTB, 2017.

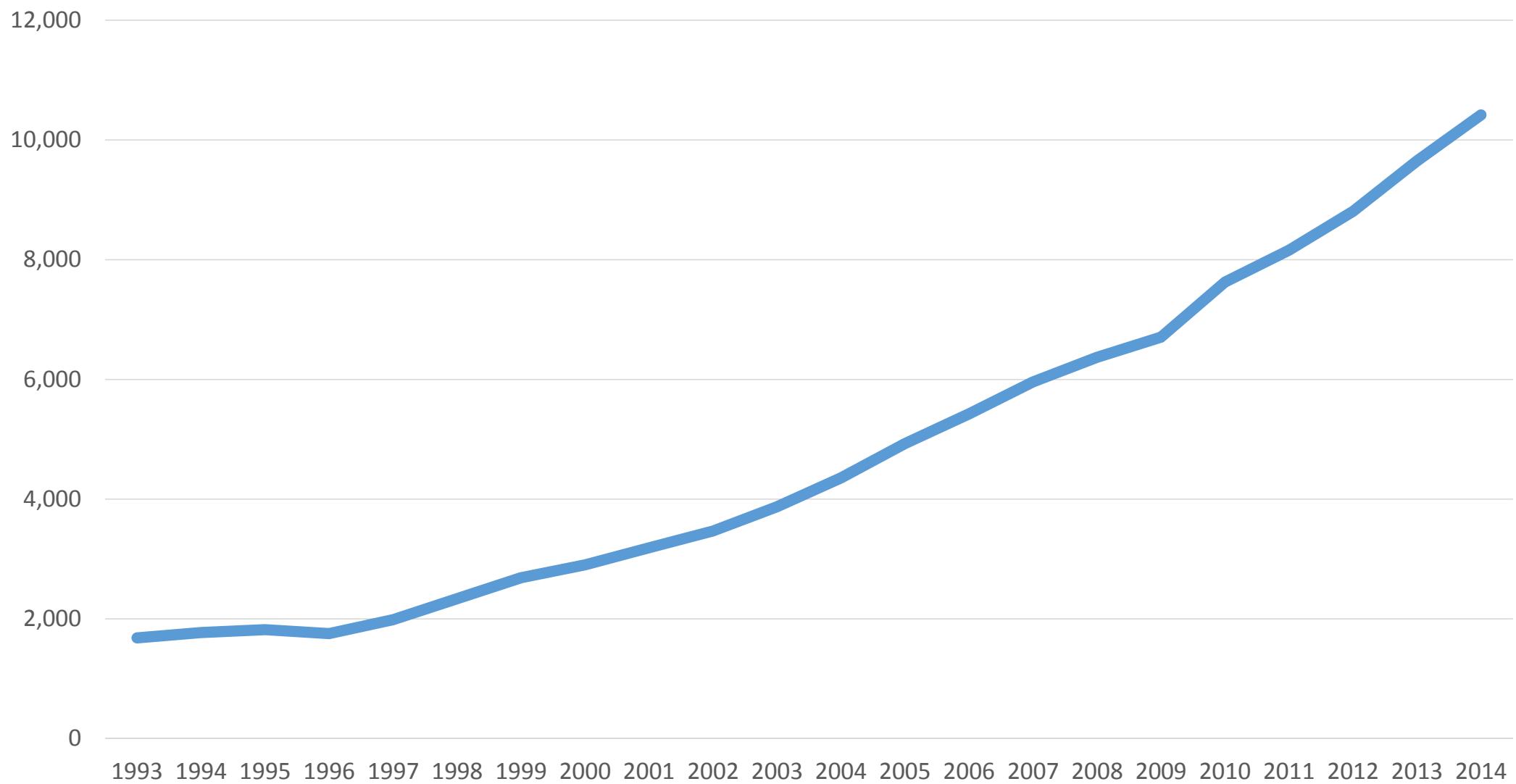
Total Industry Volumes By Size CY 2015

Brewers By Size of Tax Paid Withdraws Volume in Barrels (31 gallons)	2015 Brewery Count	2015 Tax Paid Volume	Share Brewery Count	Share Tax Paid Volume
<1	566	94,127	11.7%	0%
1 - 1,000	3,097	772,833	64.2%	0.4%
1,001 - 7,500	812	1,900,256	16.8%	1.1%
Small Breweries	4,475	2,767,216	92.8%	1.6%
7,501 - 15,000	122	1,095,981	2.5%	0.6%
15,001 - 30,000	70	1,310,825	1.5%	0.7%
30,001 - 60,000	54	2,110,725	1.1%	1.2%
Medium Breweries	246	4,517,531	5.1%	2.6%
60,001 - 100,000	21	1,393,286	0.4%	0.8%
100,001 - 1,999,999	61	18,918,396	1.3%	10.8%
Large Breweies	82	20,311,682	1.7%	11.6%
2,000,000 - 6,000,000	6	23,102,416	0.1%	13.2%
6,000,001 plus	15	124,544,161	0.3%	71.1%
Extra Large Breweries	21	147,646,577	0.4%	84.3%
Total Breweries	4,824	175,243,006	100.0%	100.0%
Source: U.S. TTB, April 2016.				

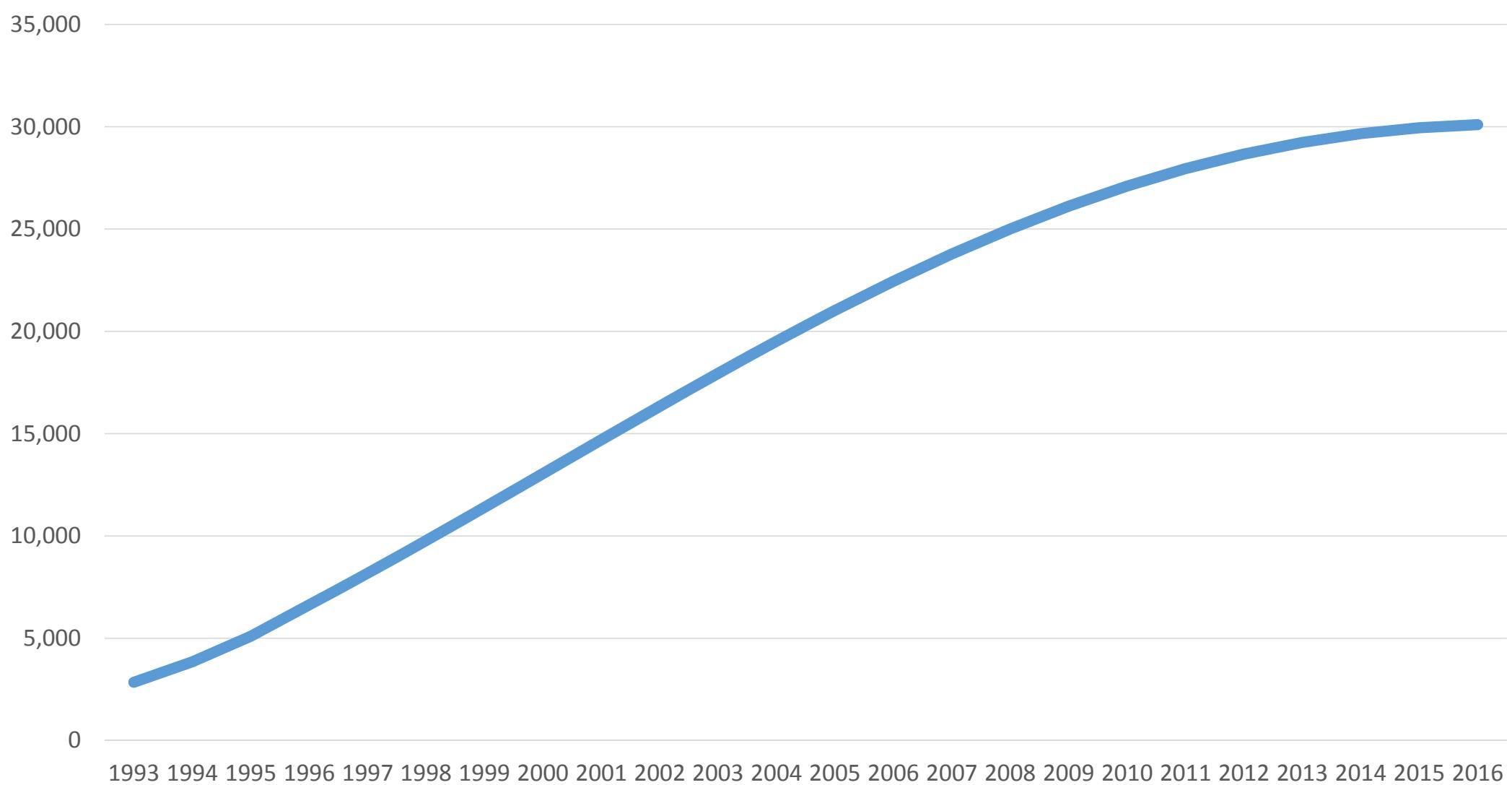
Breweries Licenses vs Per Capita



Wineries in the US, 1993-2014

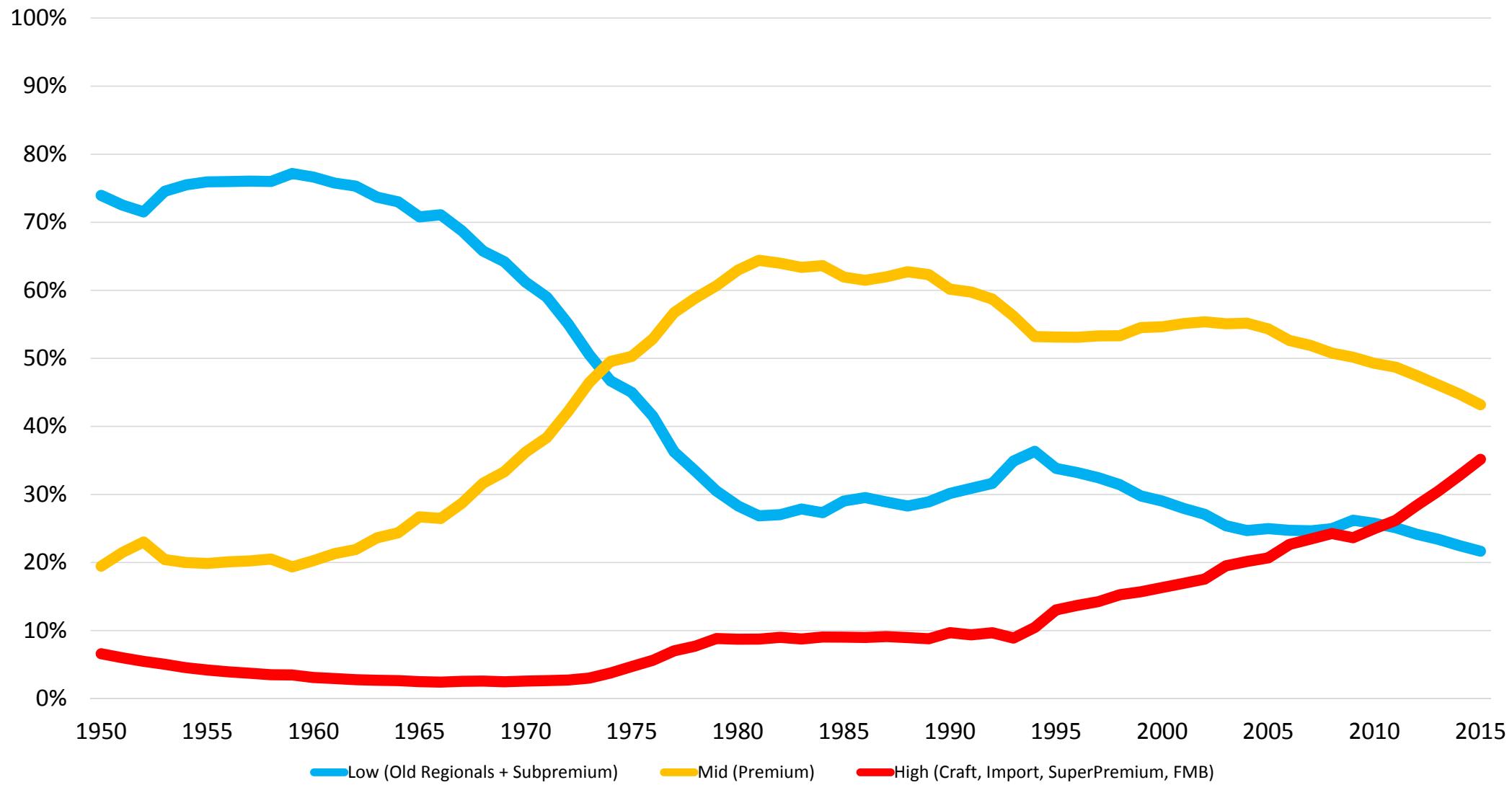


Specialty Coffee Locations in the U.S., 1993-2016

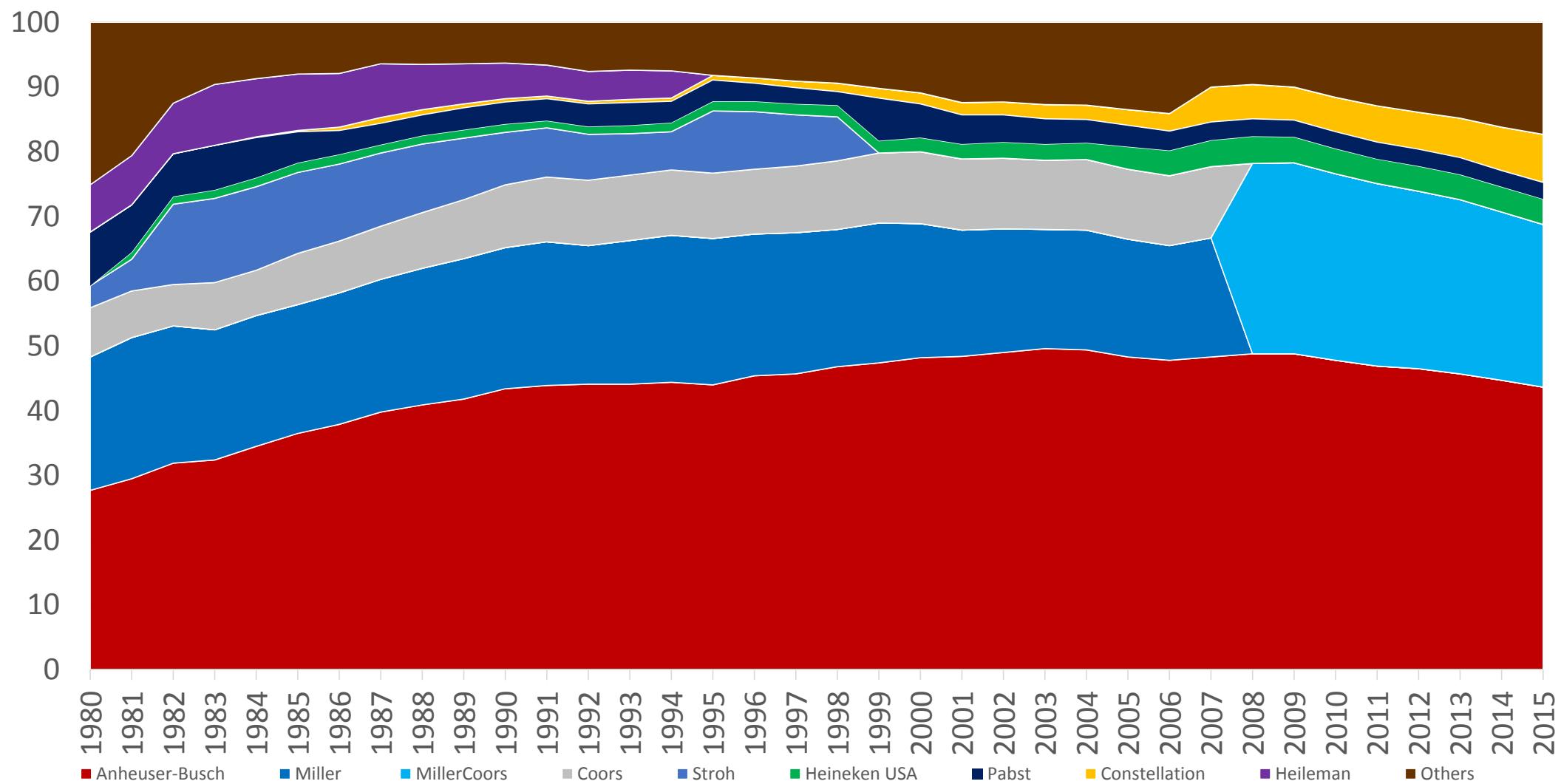


	Low Hop Domestic	Imports	High/Medium Hop Domestic	US Production+ Imports
	All figures in '000s of bbls (1 bbl = 31 gallons)			
1981	177,034	5,221	35	182,290
<u>2016</u>	<u>147,400</u>	<u>33,400</u>	<u>34,700</u>	<u>215,500</u>
Change	-29,634	28,179	34,665	33,210

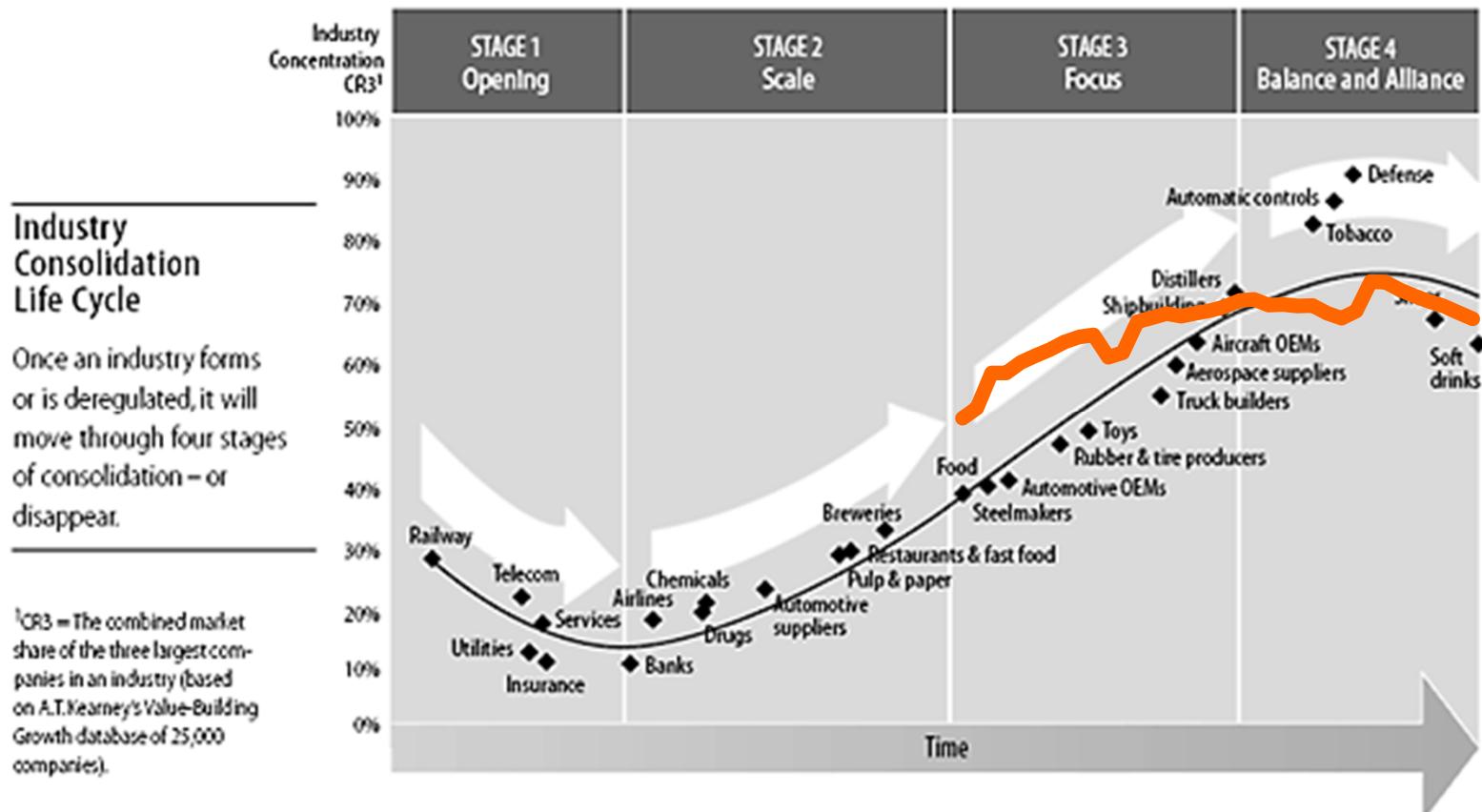
Beer's Premiumization Trends



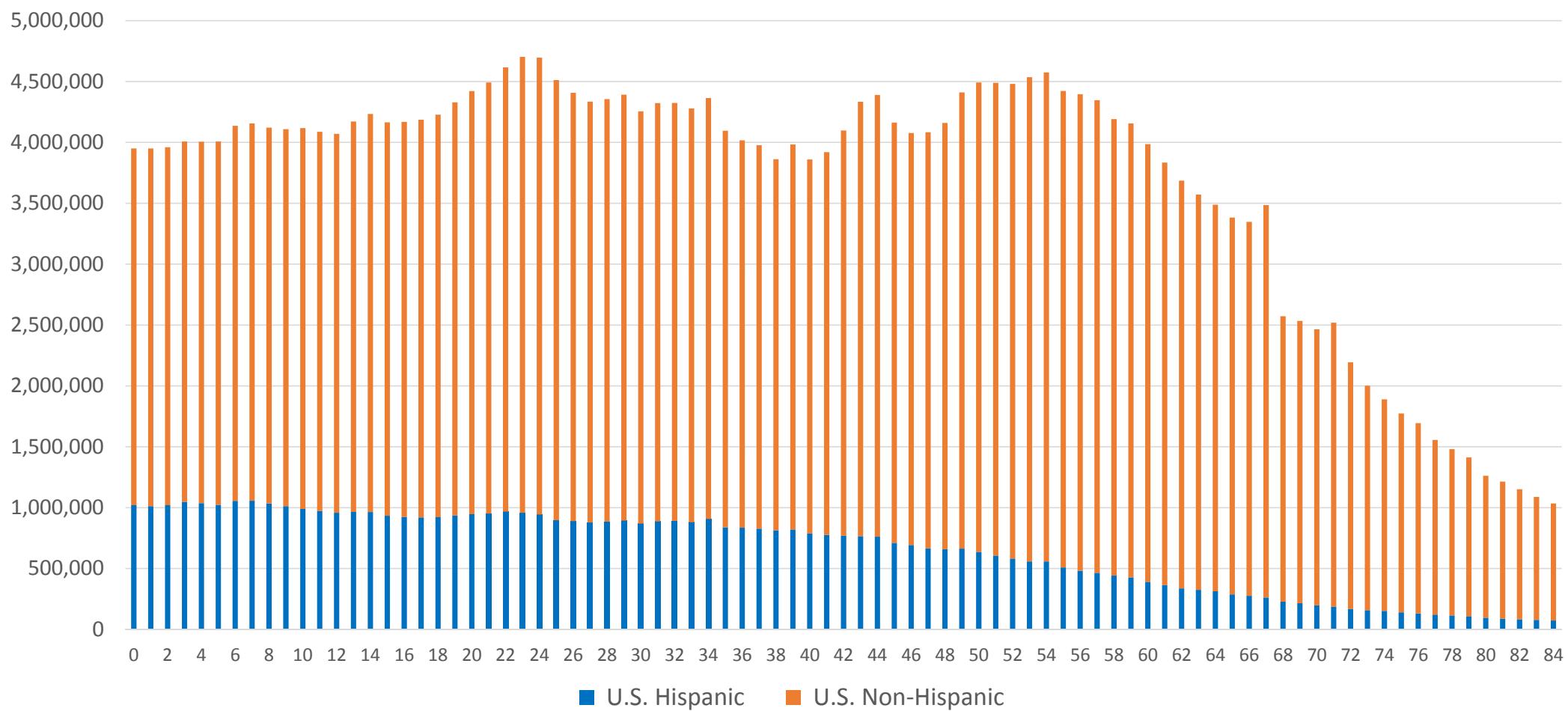
Beer Industry, 1980-2015



Beer 1980-2015

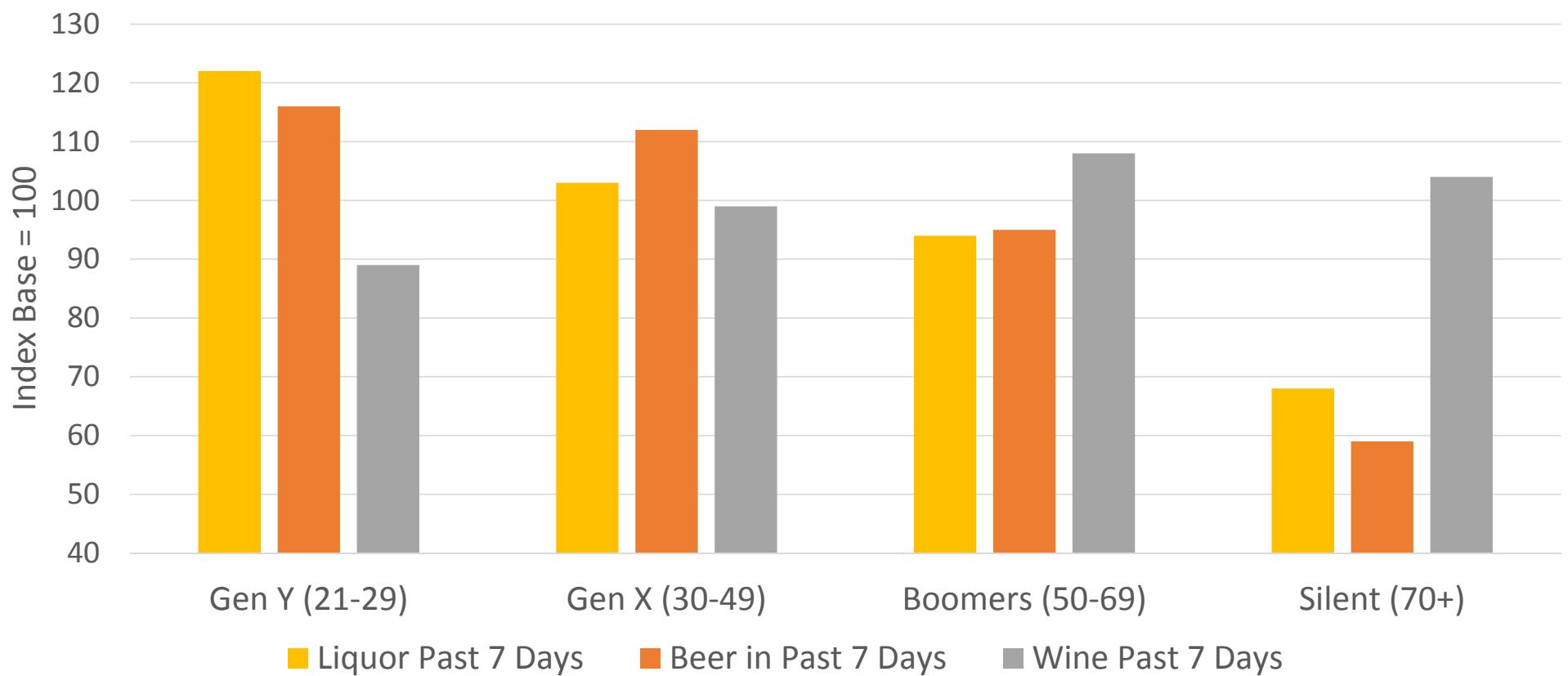


U.S. Population By Single Age, 2015 Hispanic and Non-Hispanic



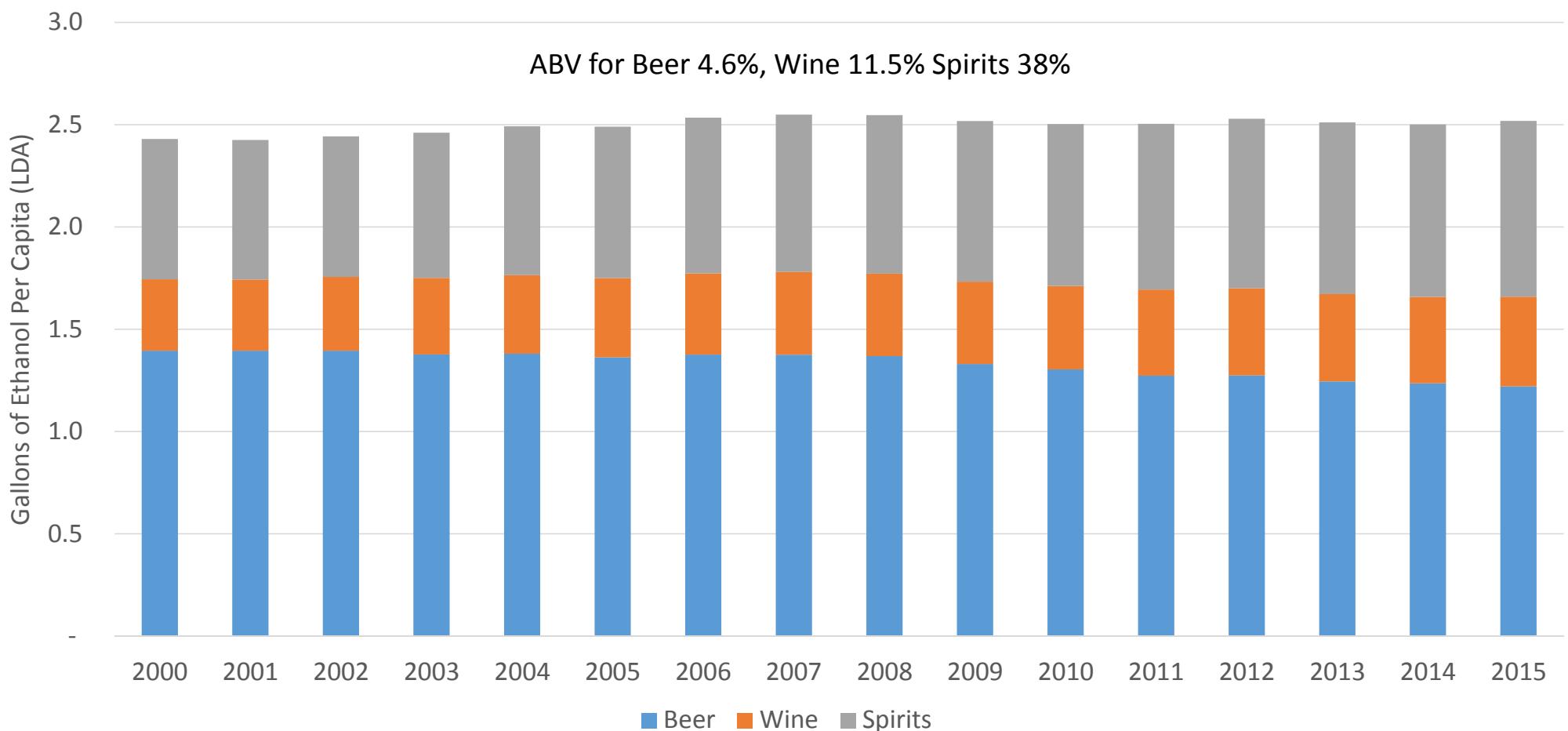
Source: U.S. Census

Differences in Alcohol Consumption Across Generations in 2015

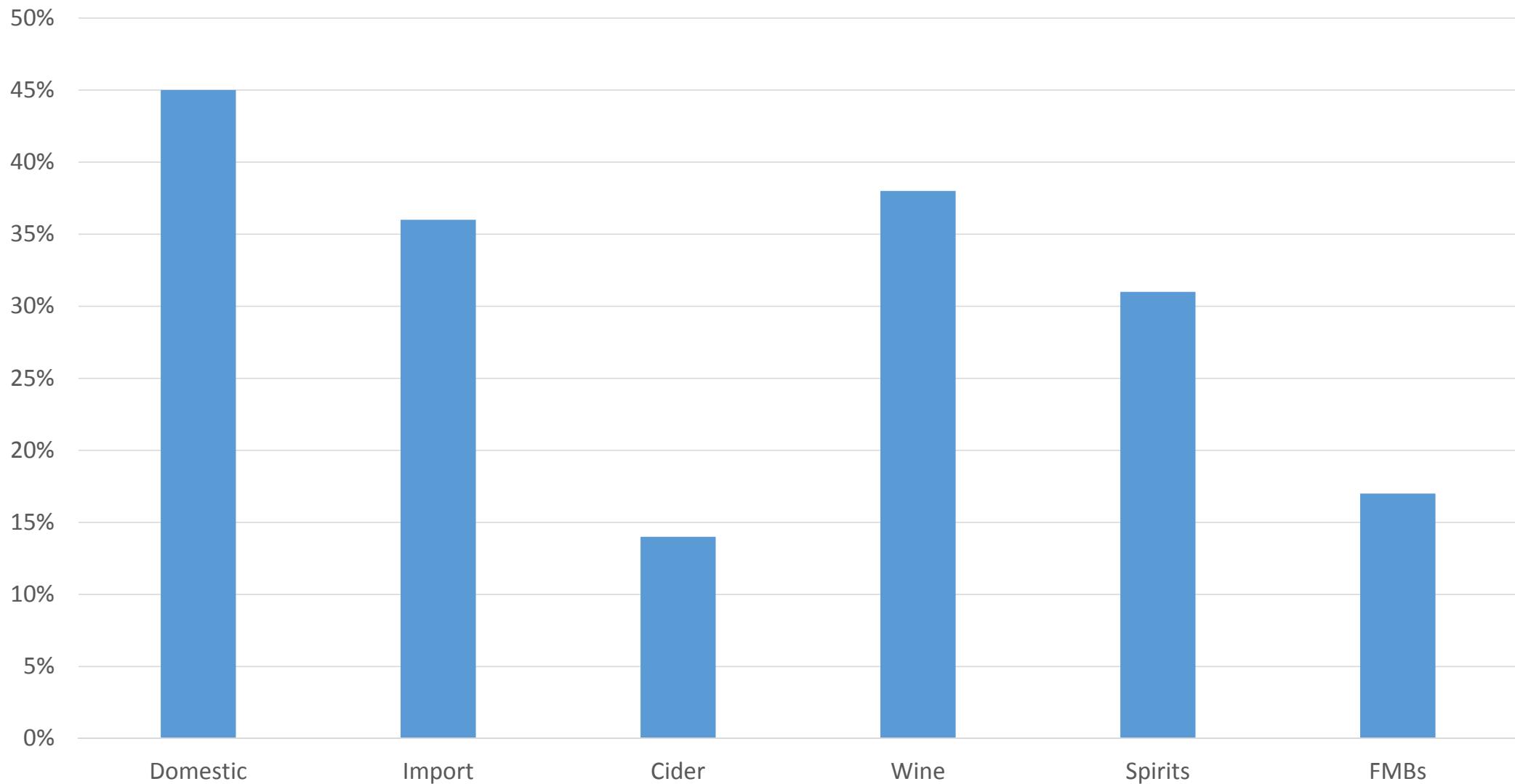


Source: Scarborough Research, 2015

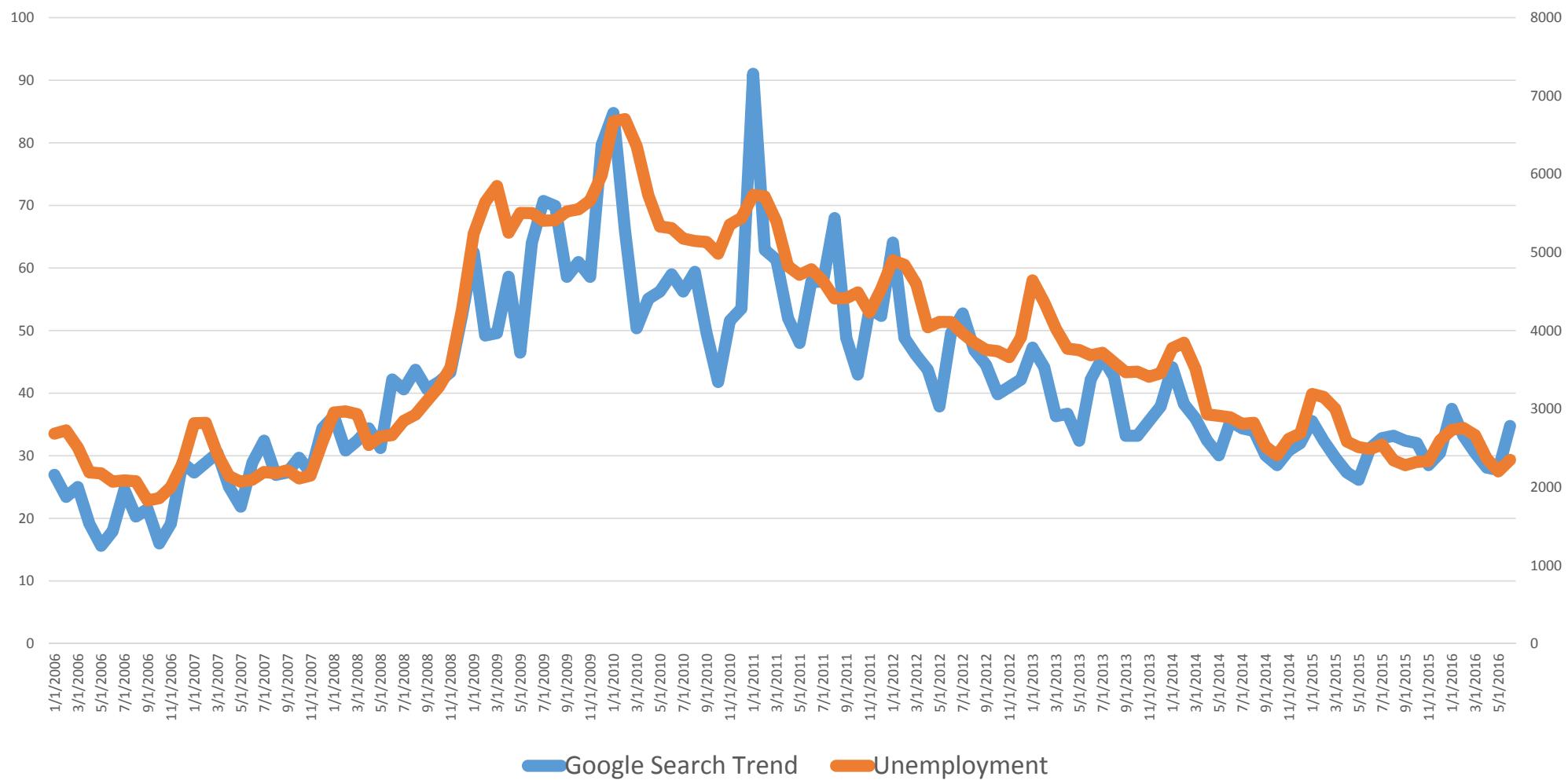
Per Capita Consumption of Ethanol U.S. from 2000 to 2015



% of Weekly Craft Drinkers that Drink other Bev Alc Categories Weekly



White, Male Unemployment (20-64) versus Google Searches for "How to Homebrew"



A close-up photograph of a glass filled with beer. The beer has a rich, dark color and a thick, white head of foam at the top. The glass is a standard snifter or tulip style, allowing a clear view of the liquid. The background is a solid, dark grey, which makes the beer stand out. The lighting is dramatic, highlighting the texture of the foam and the clarity of the beer.

The Craft Industry

A photograph of a beer glass filled with dark beer, showing a thick white head of foam. The glass is centered on the left side of the frame, with a dark, blurred background.

What Affects Hop Usage?

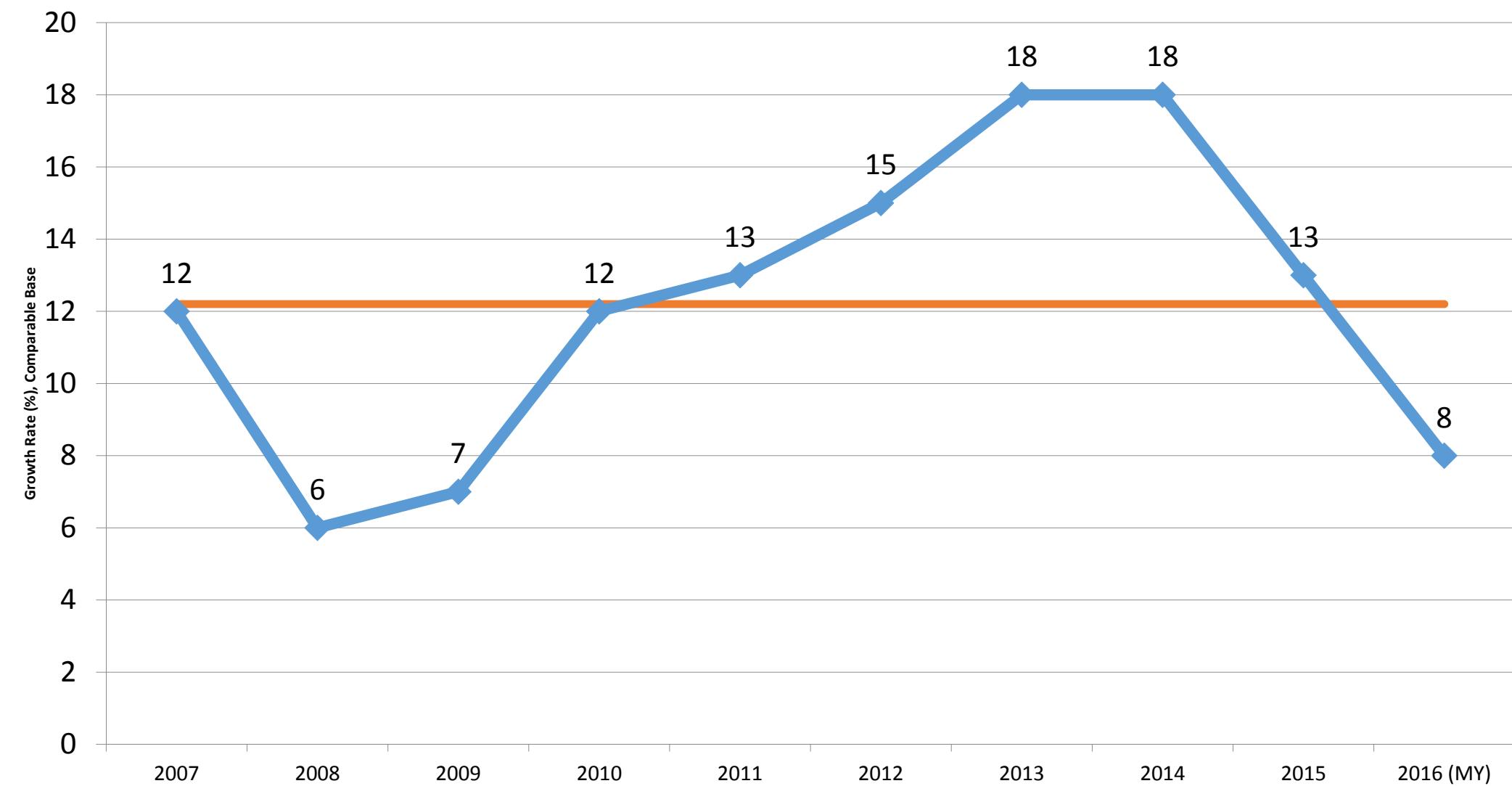
Size of Market

- Slowing, but still strong growth

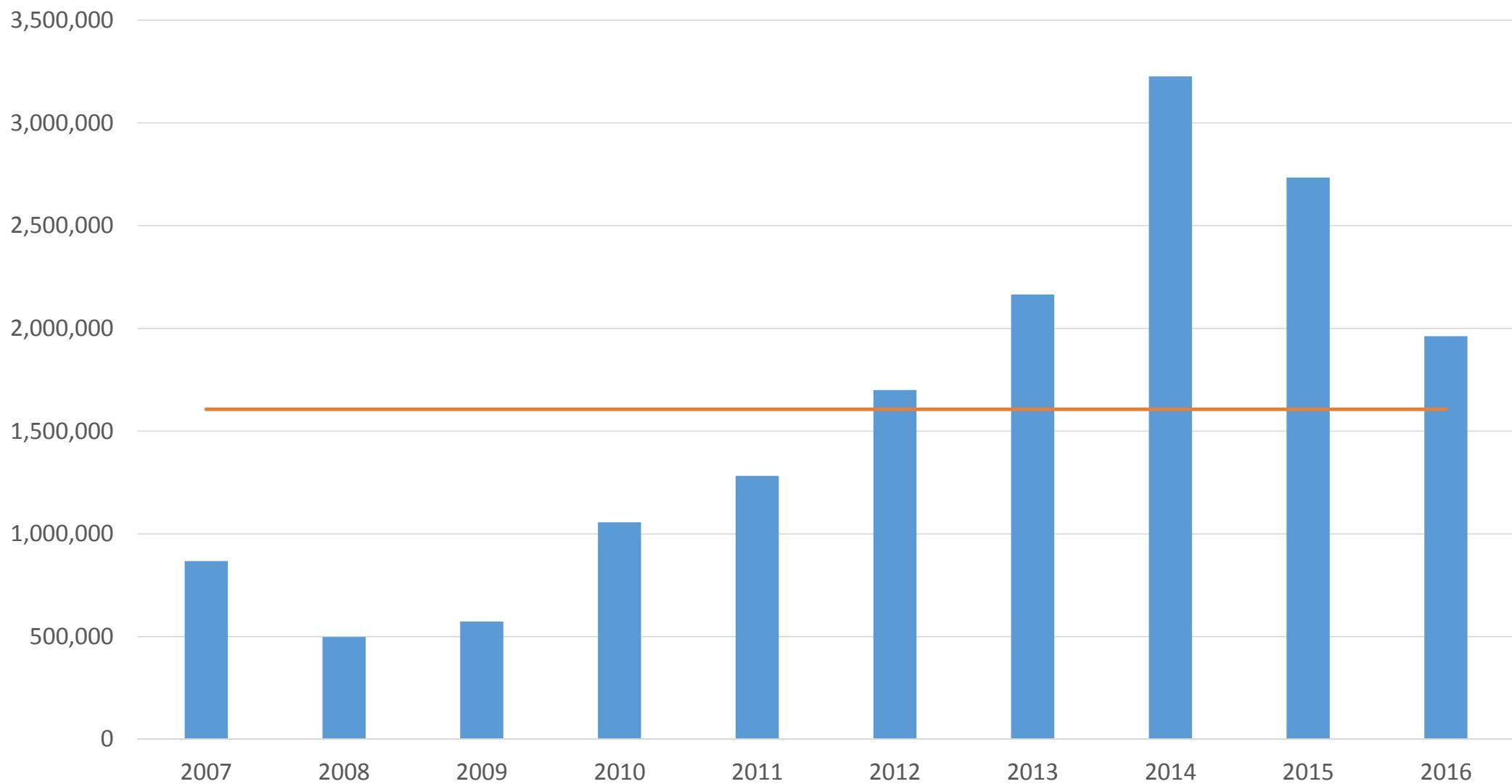
Per Barrel Rate

- Style
- Share/mix/size within craft

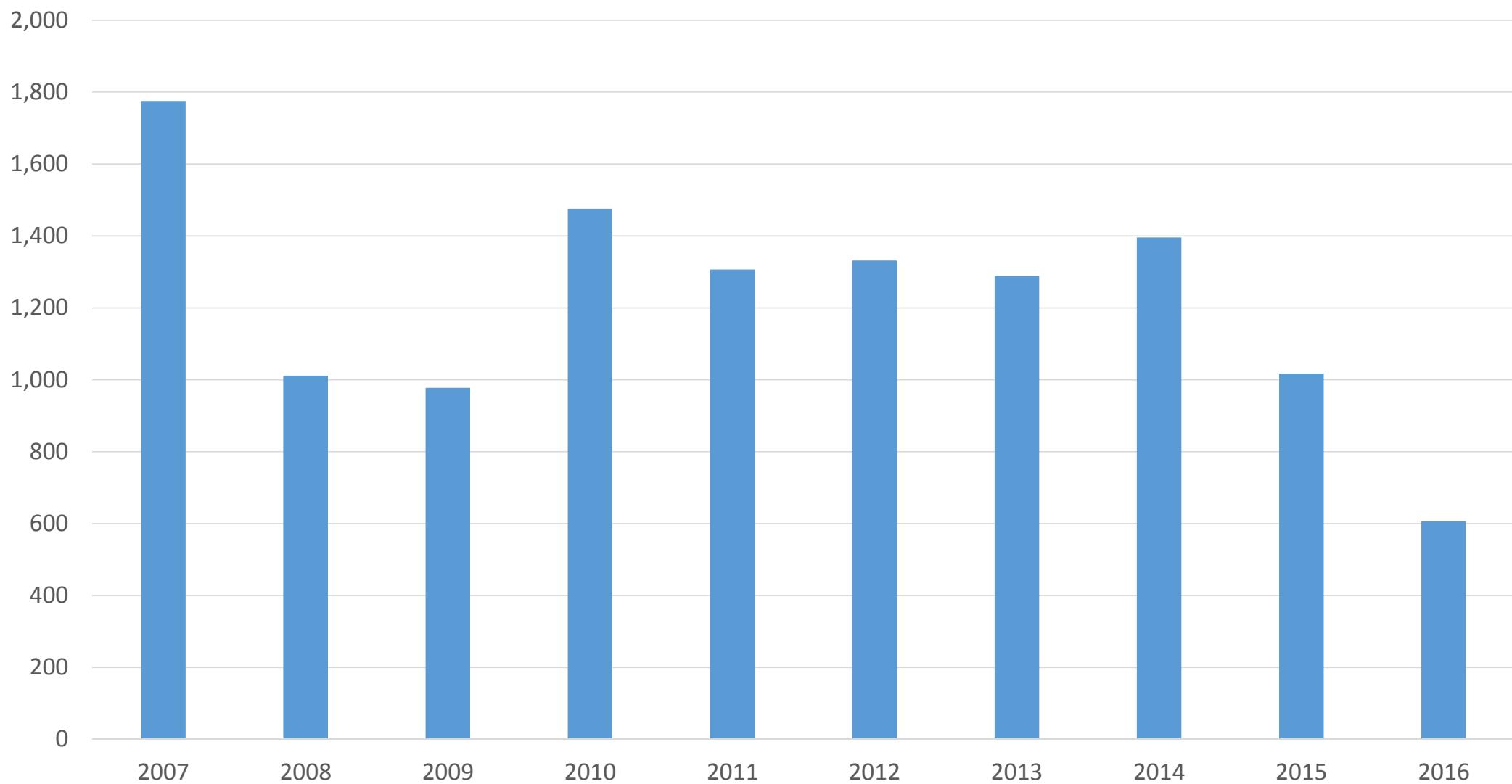
Annual and Average Growth Rate, 2007-2016 (Mid-Year)



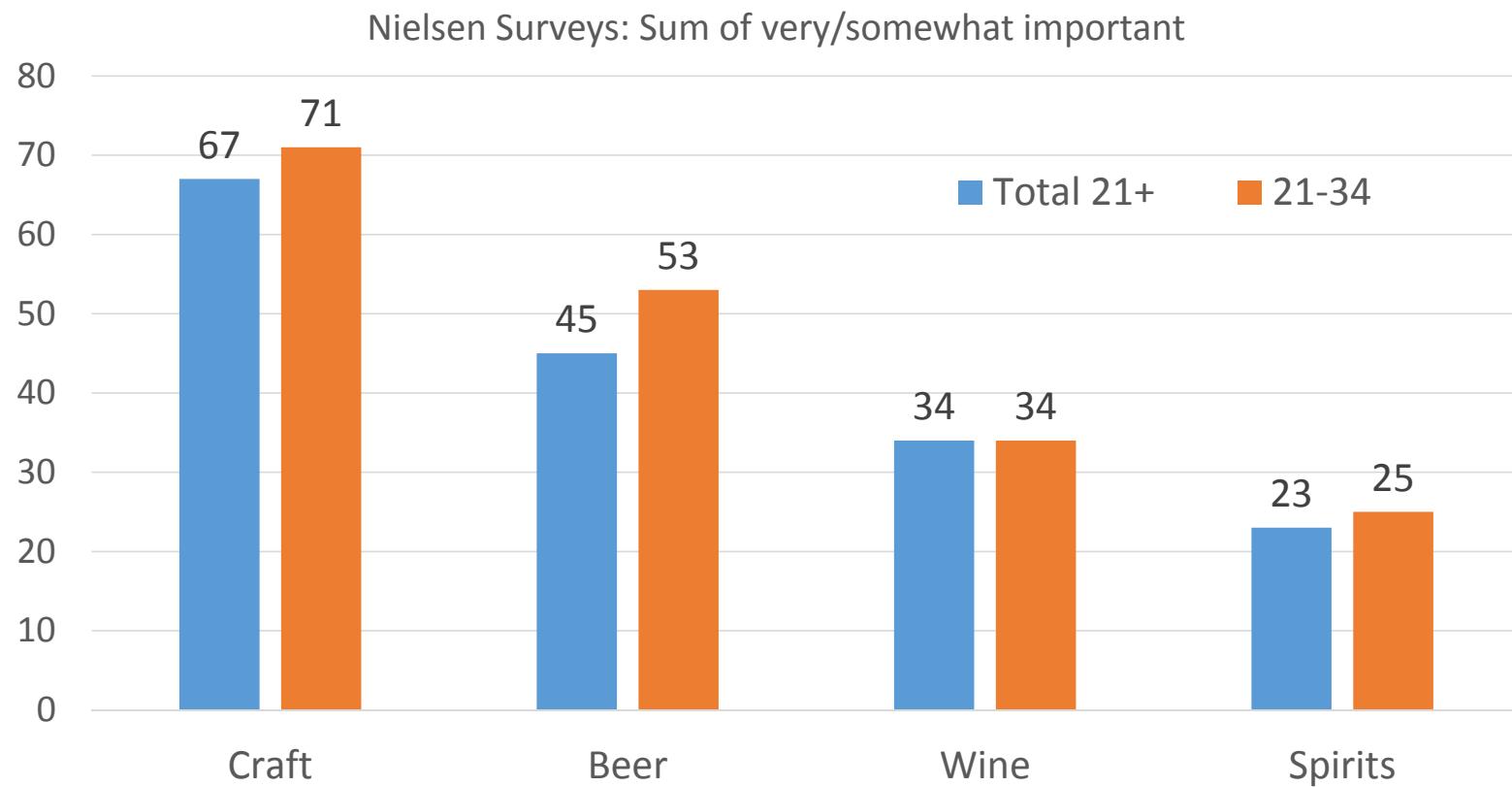
Craft Barrel Domestic Barrel Additions, 2007-2016



Average Barrels Added, Production Breweries



How important is “local” in purchase decisions?

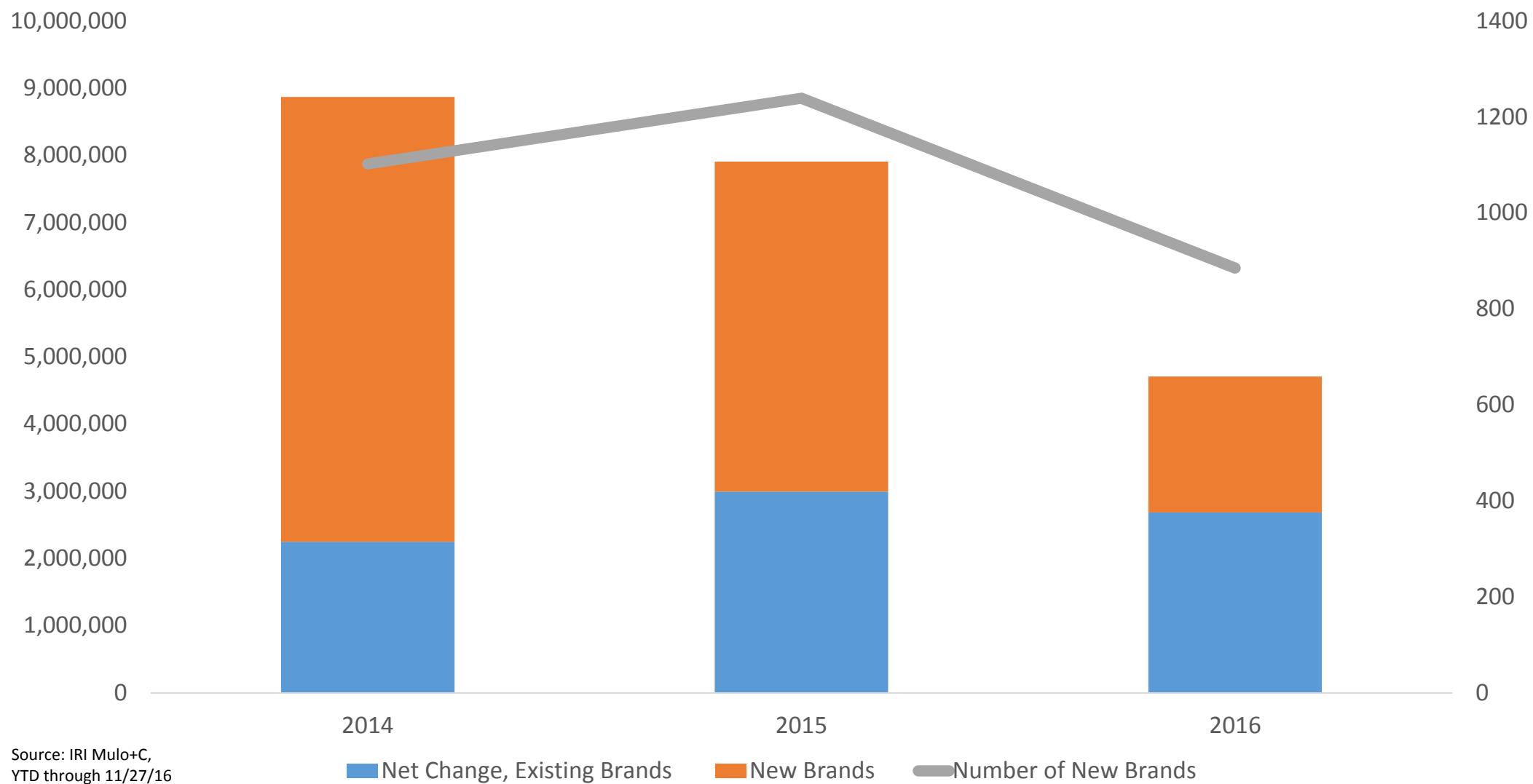


Source: Nielsen Quick Query Omnibus Survey, 12-17, 2015. (Base: LDA consumers who drink at least several times per year)

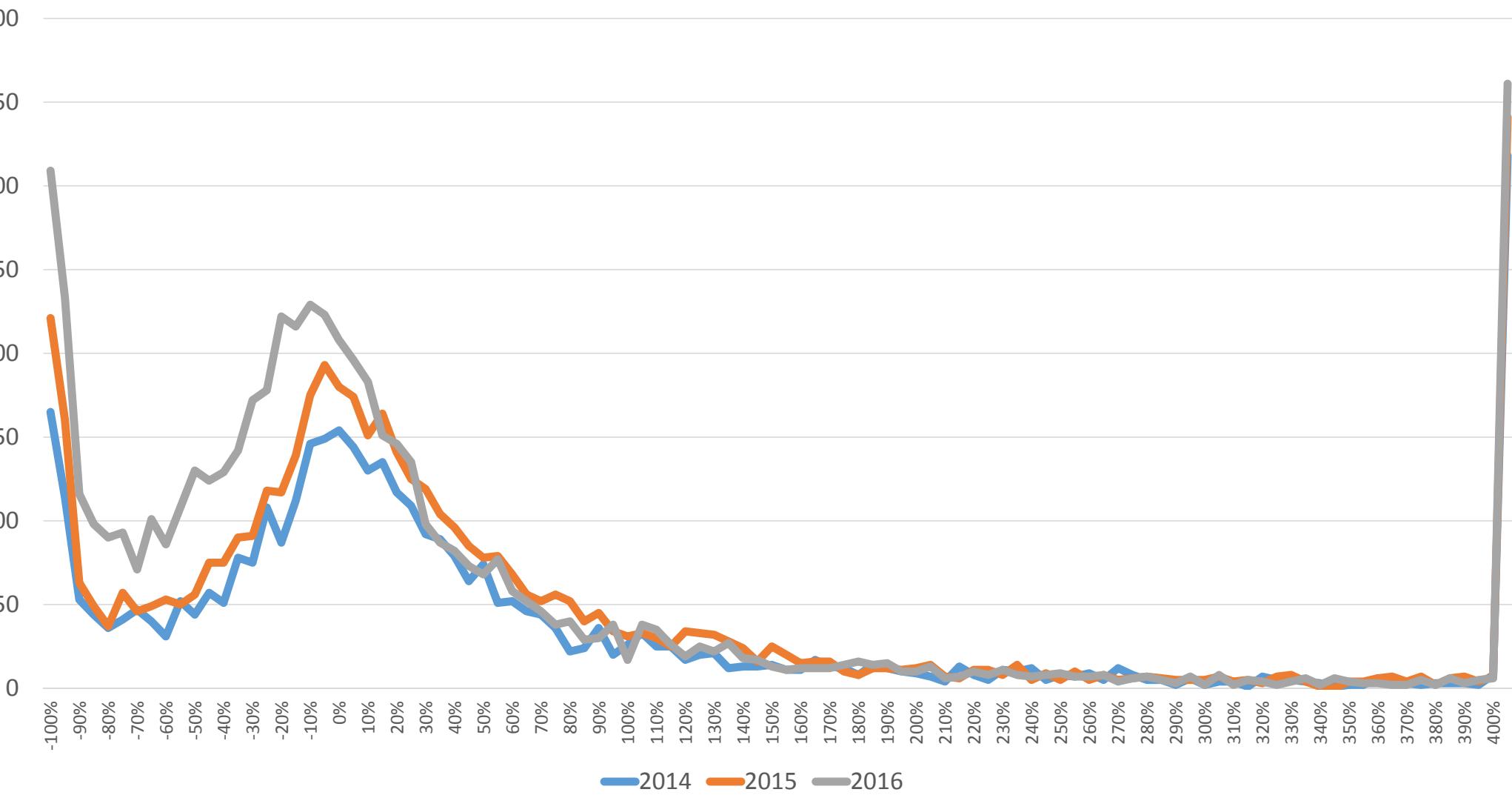
US			
National Size (CEs)	Growth %	% Volume	% of Growth
1000000+	2.4%	63.0%	26.6%
100k to 1M	7.9%	23.1%	30.1%
10K to 100K	22.9%	11.9%	39.5%
Less than 10K	11.3%	2.1%	3.8%
Total	5.9%	100%	100%

Source: IRI MULO+C (12/25/16)

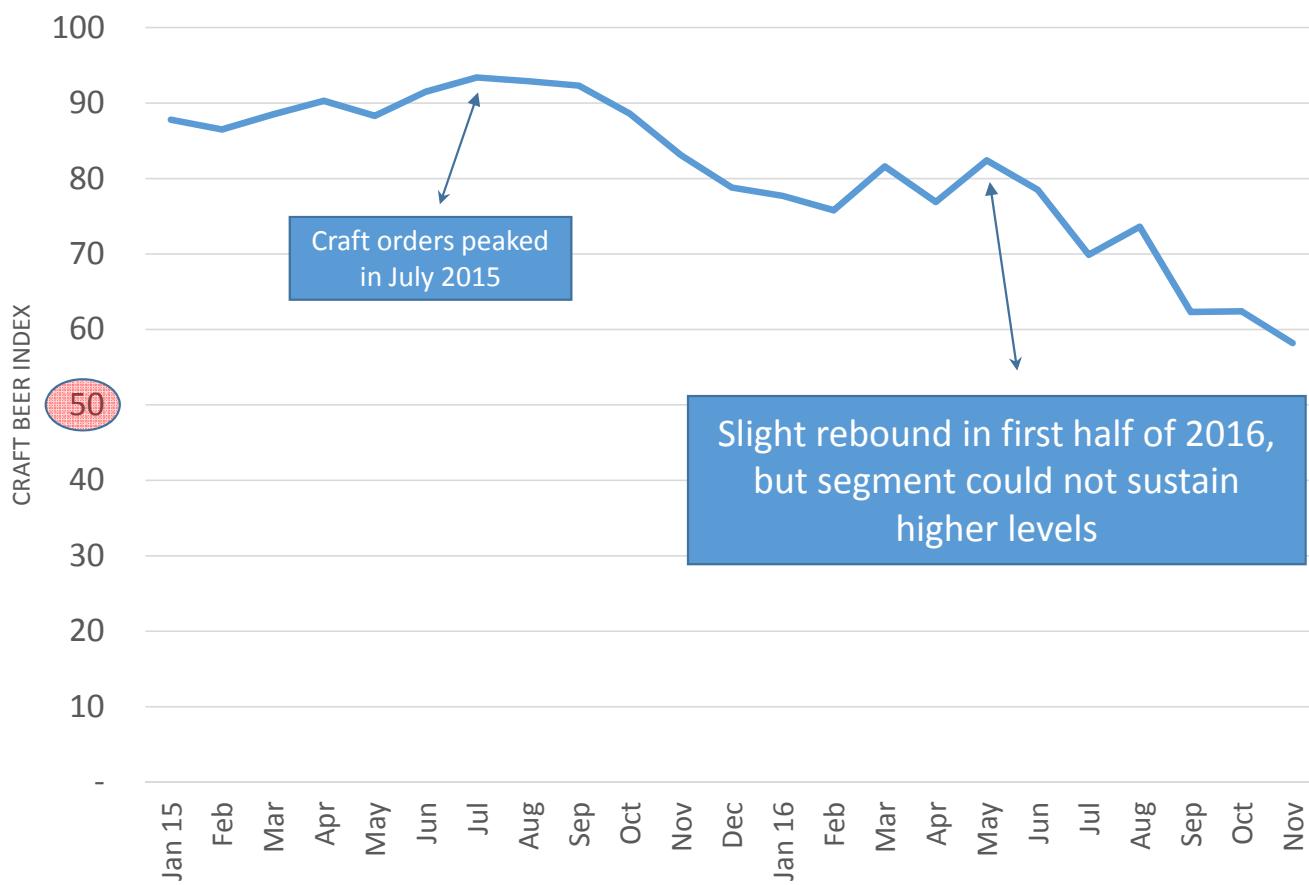
Craft Growth, Existing vs New Brands, 2014-2016 vs YA



Growth of Existing Brands, 2014-2016 vs YA



Beer Purchasers Index: Craft Beer Segment January 2015 to November 2016



BPI based on survey of NBWA member companies. Each month, BPI asks if beer orders are higher, lower or about the same.

An index > 50 in a segment means beer order volumes in that segment are expanding and an index < 50 indicates that beer order volumes in that segment are contracting.

Source NBWA, Nov 2016.

At home remains key location for craft beer drinkers, with increases outside the home

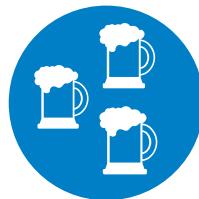
Which of the following describe when you typically drink craft beer? Please select all that apply.

87% of **TOTAL**
Craft Beers
Drinkers



**AT HOME/AT A
FRIEND'S HOME**

93% of **WEEKLY**
Craft Beers
Drinkers



**GROWING
OCCASIONS**

At an **OUTDOOR**
recreational activity

During a craft brewing
FESTIVAL/EVENT

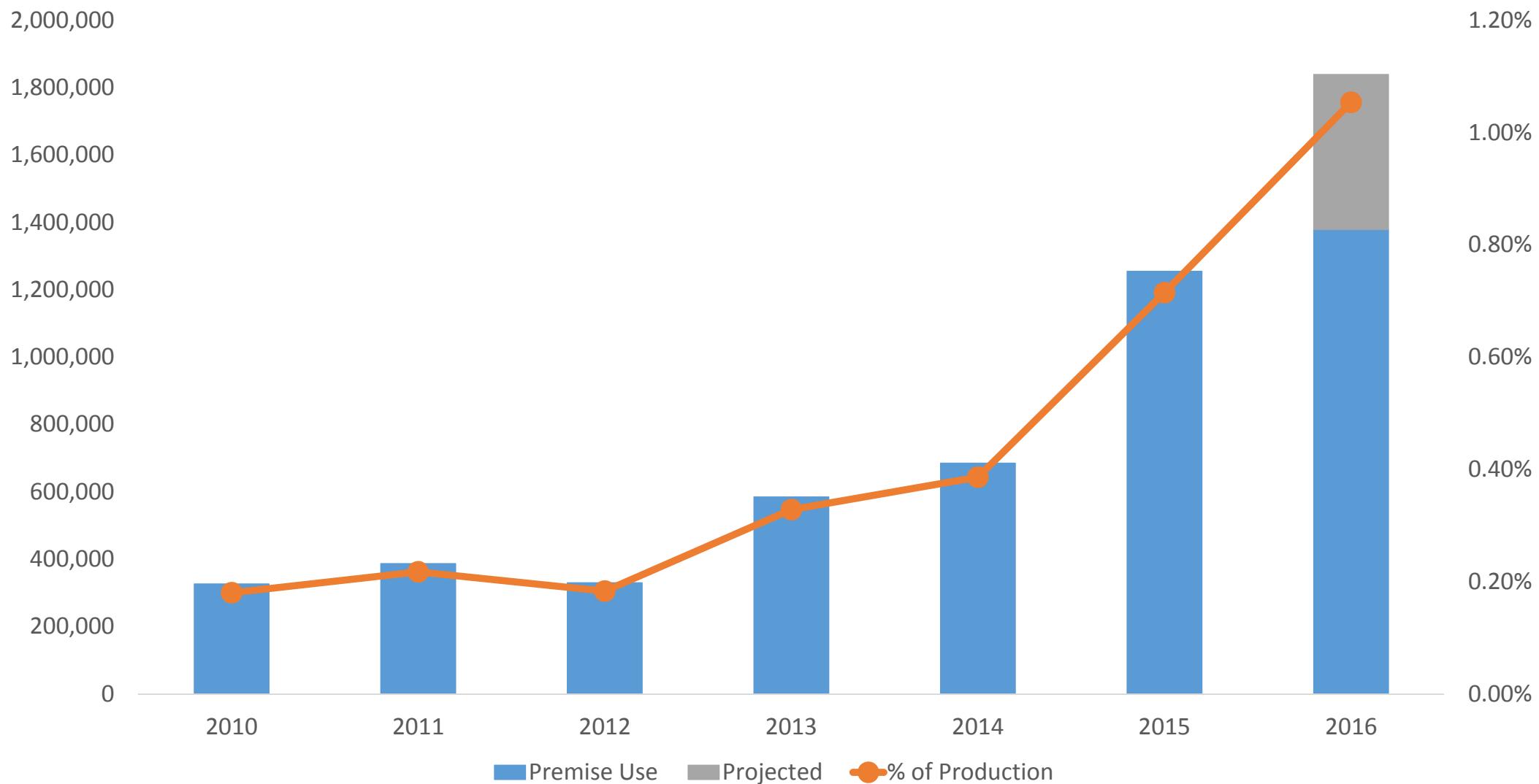
While visiting a **CRAFT**
BREWERY

**While eating out at a
RESTAURANT**

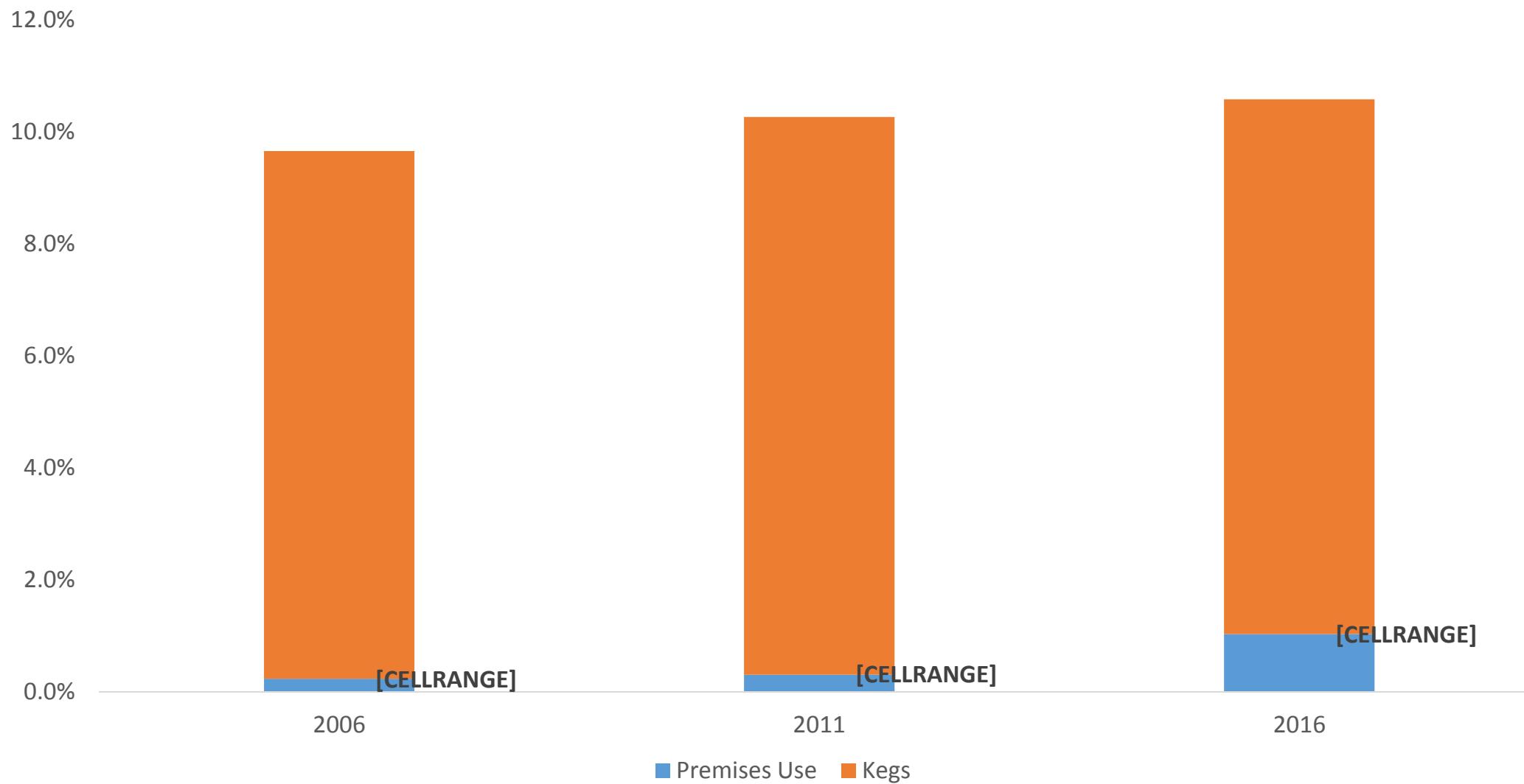
**While out with my
friends at a
BAR/CLUB**

**DOWN VS.
YEAR AGO**

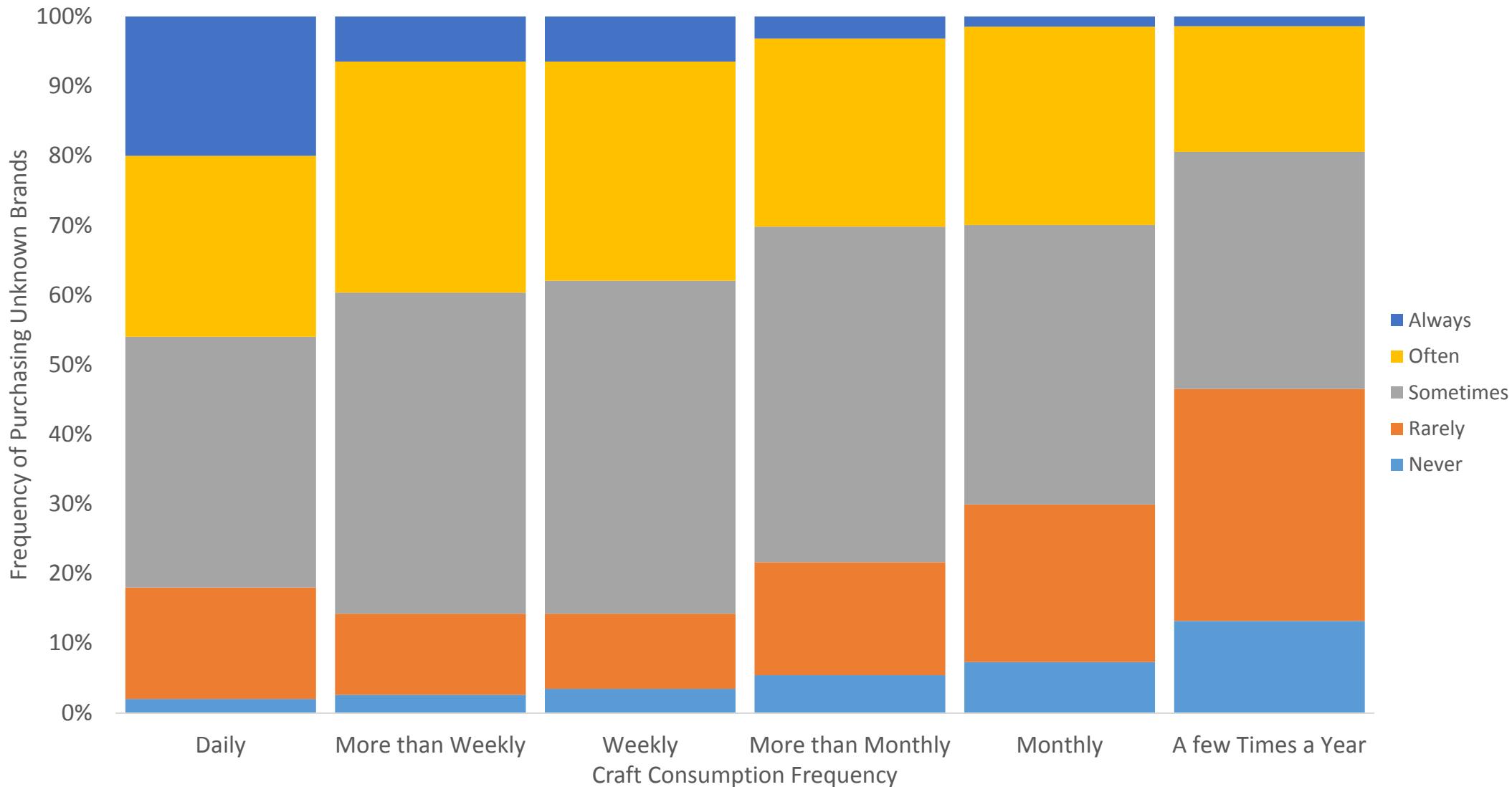
TTB Premise Use Data, 2010-2016



Draught Market, Kegs vs Premises Use, 2006-2016
(% = Premises Use % of Draught Market)



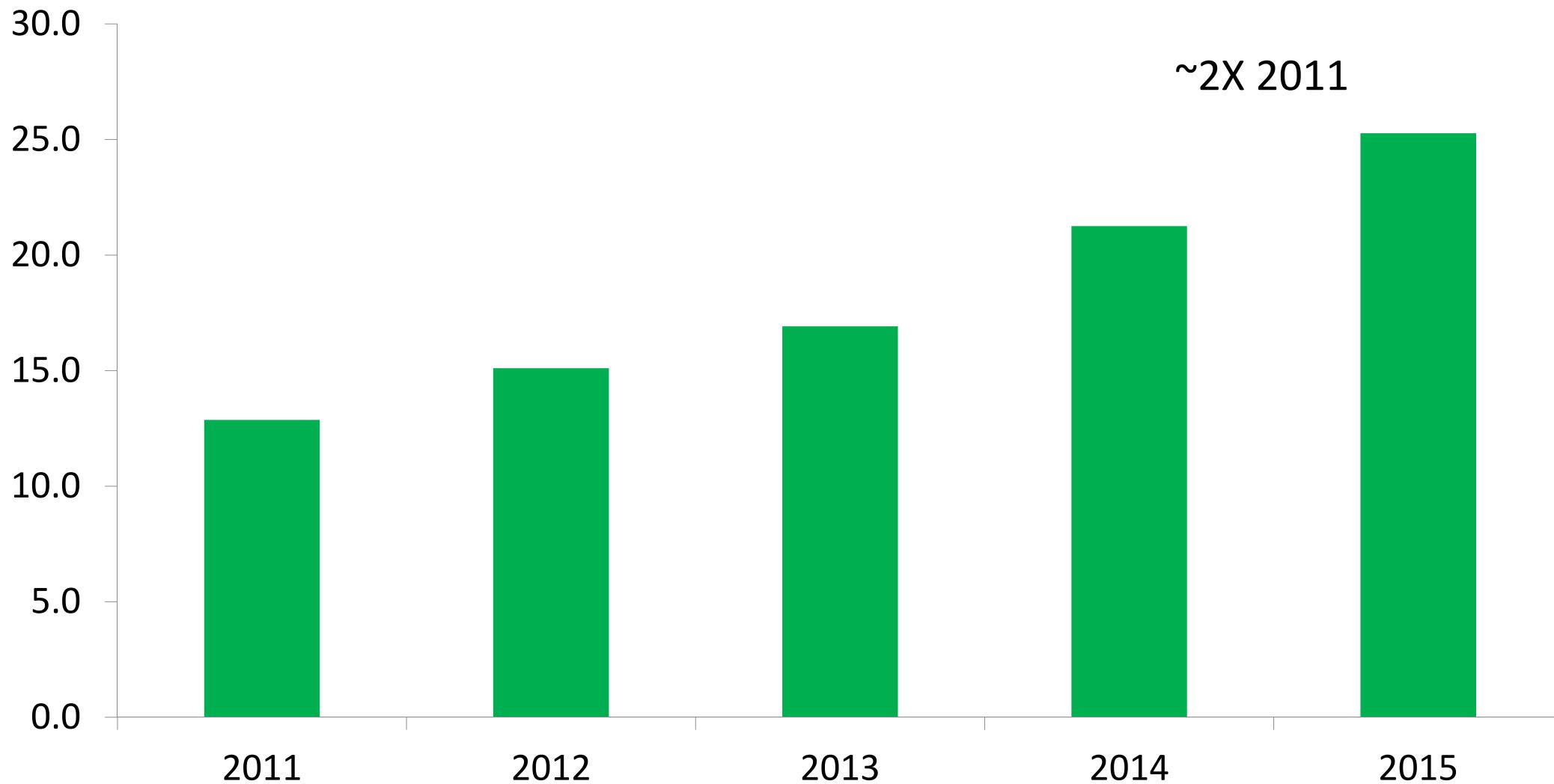
Craft Consumption Frequency vs Frequency of Purchases of Unknown Brands



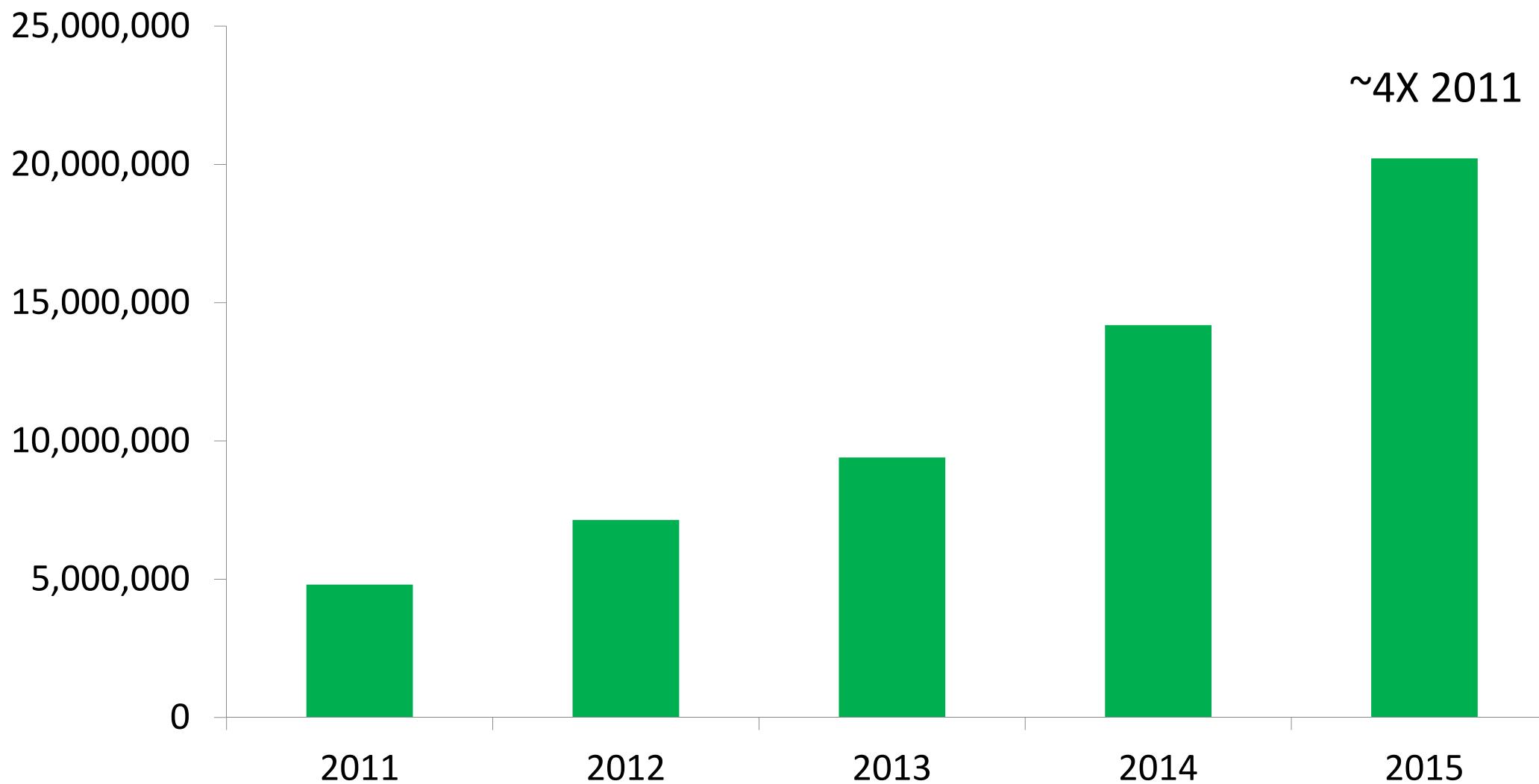


More Hops Please!
What Else?

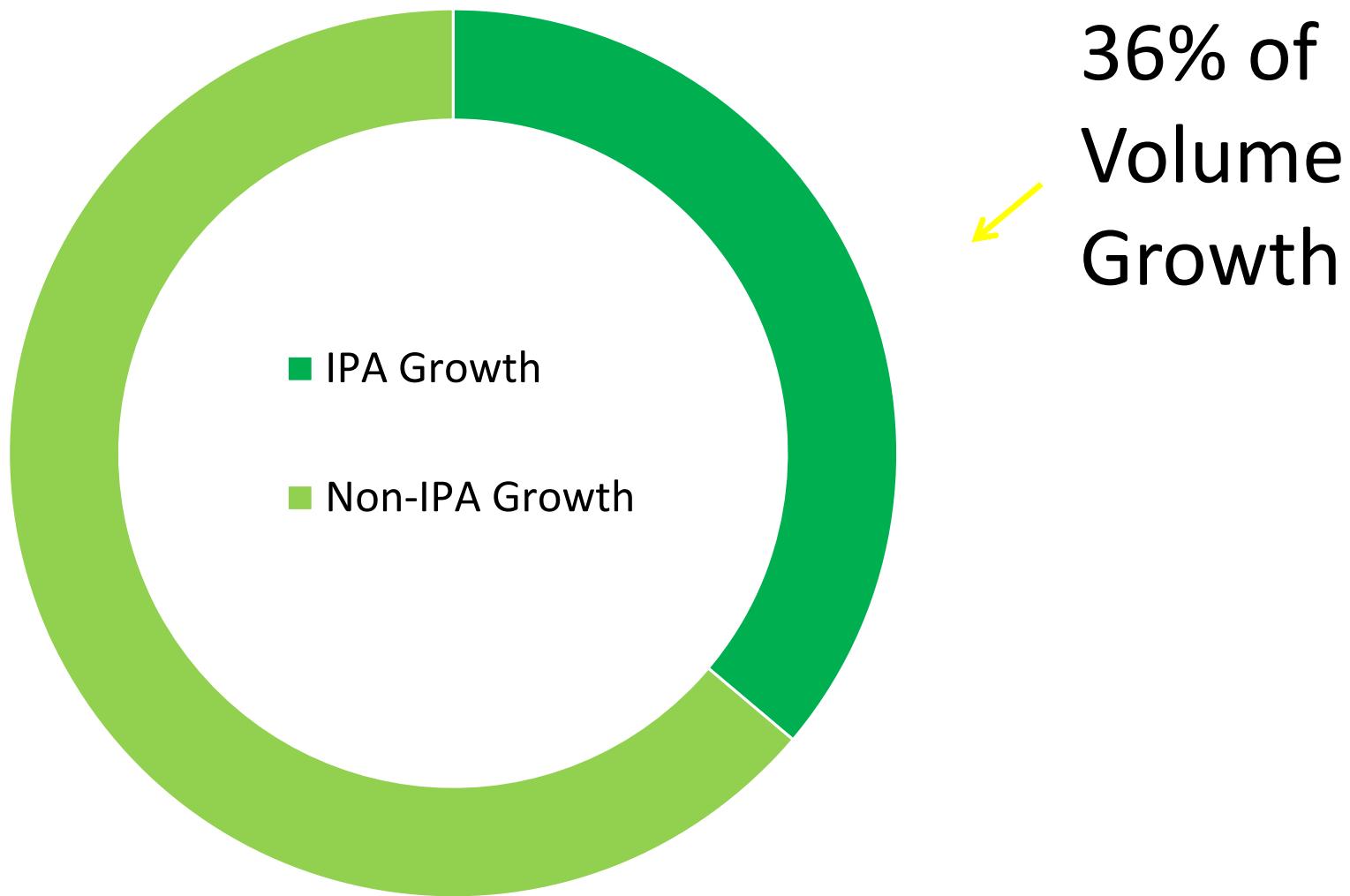
IPA Volume Share of Craft, 2011-2015



IPA Cases, IRI MULO+C, 2011-2015



IPA vs Non-IPA Growth, 2011-2015, IRI MULO+C



% Of Craft Volume Growth, YTD

Source: IRI Group, MULO+C, MI & US, YTD
through 12/25/2016

BA Craft

IRI Craft

Top 5 Craft Growth Styles

US

Top 5 Craft Growth Styles

US

IPA 63.9%

IPA 116.6%

GOLDEN ALES 16.8%

GOLDEN ALES 19.3%

OTHER PALE LAGERS 16.2%

FRUIT/VEGGIE/SPICED 7.8%

VARIETY 4.0%

STOUT 4.3%

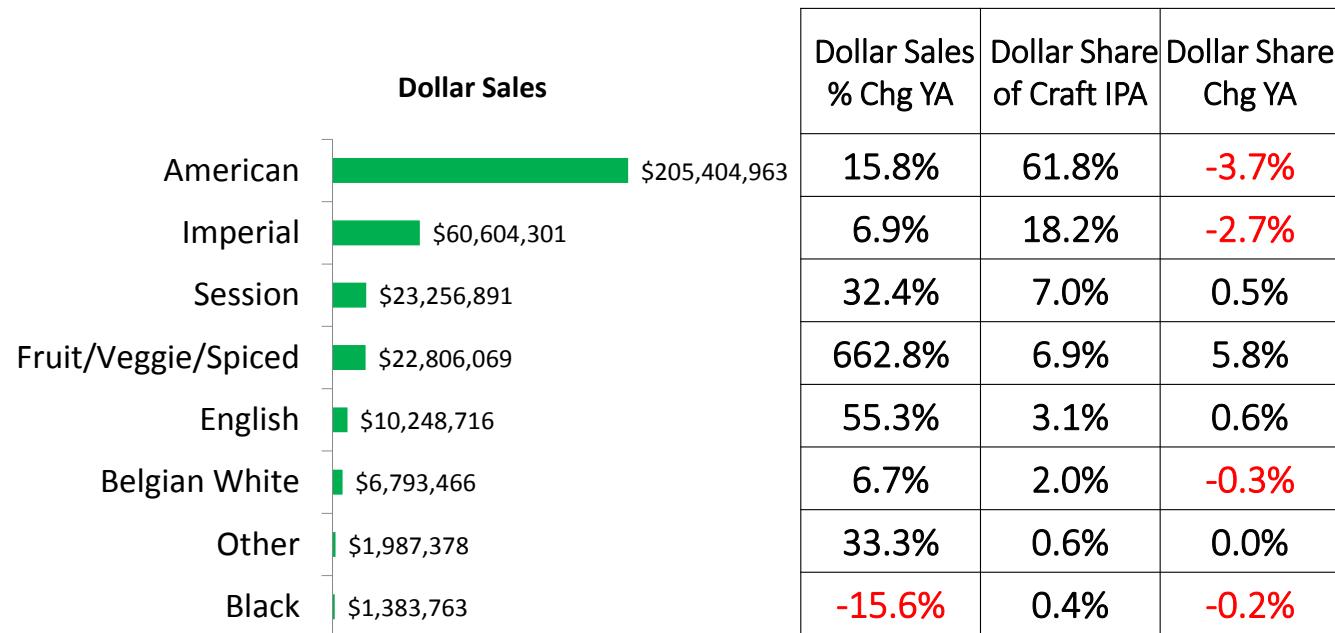
STOUT 3.9%

SPEC RELSE/SPECLTY/COLL 3.8%

Craft IPA Sub-Styles Overview

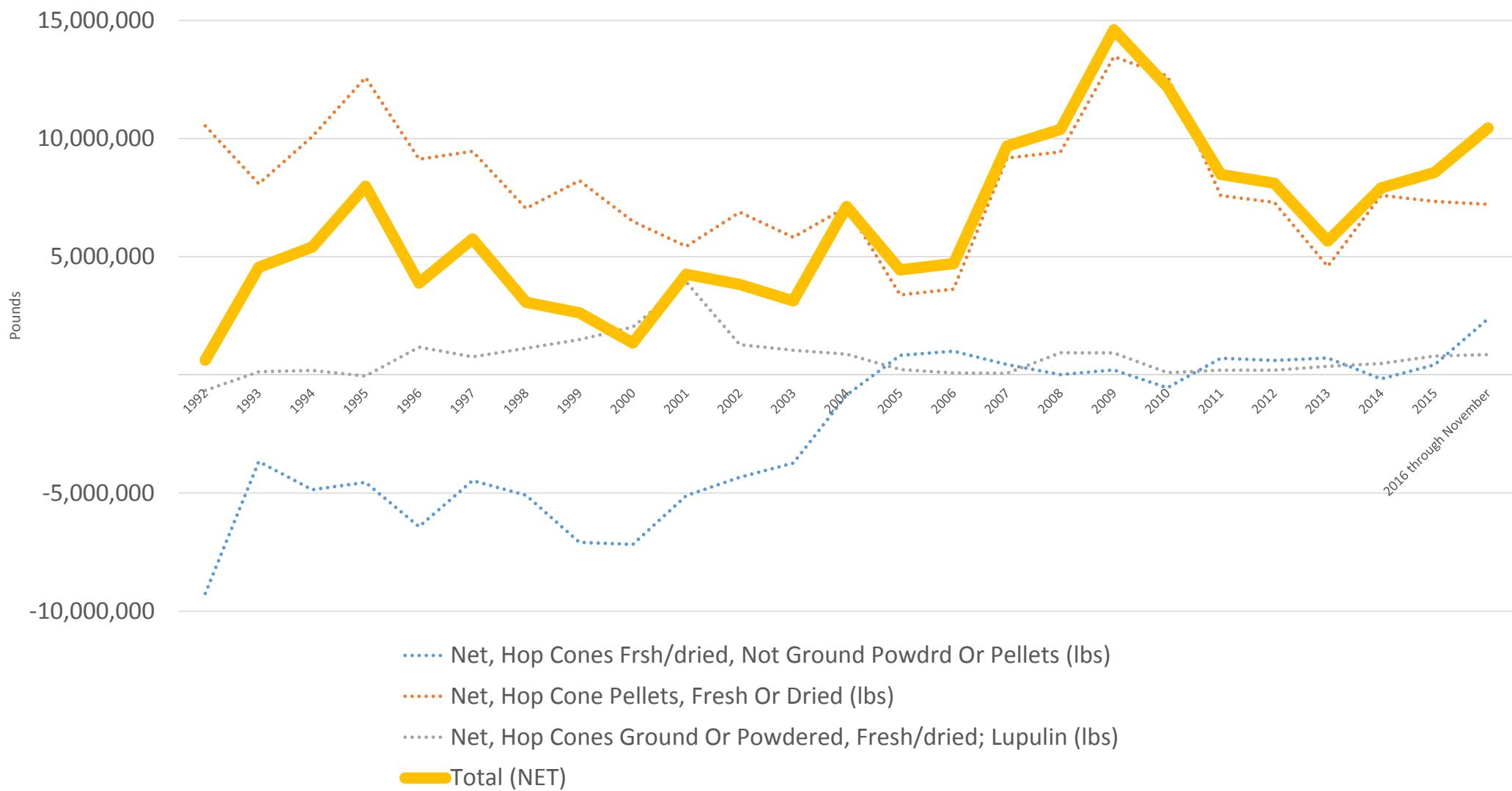
Total US Food Channel

- Fruit/Veggie/Spiced IPA's remain the fastest growing IPA Sub-Style.

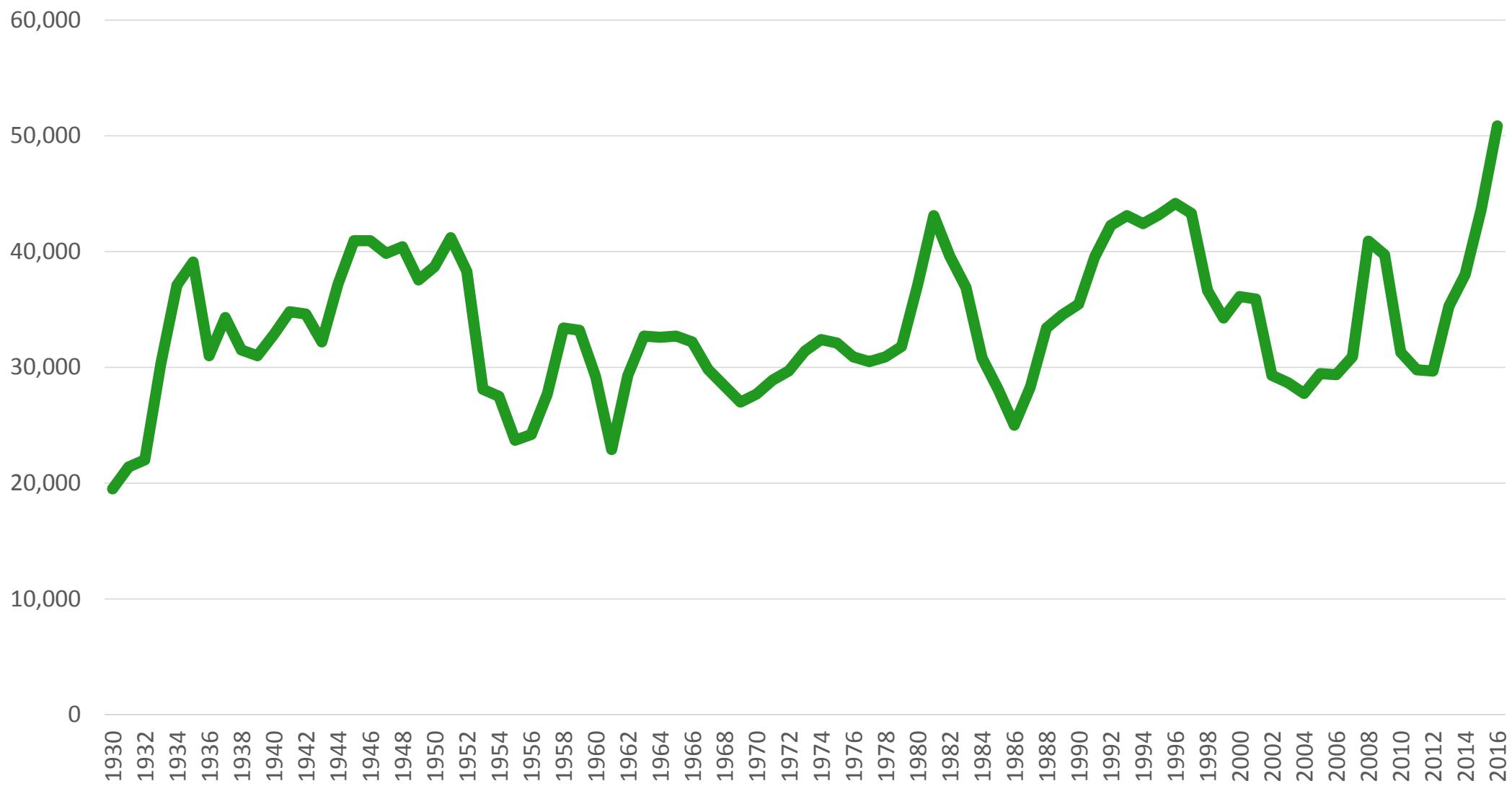


Source: IRI InfoScan Total US FOOD, YTD ending July 10, 2016

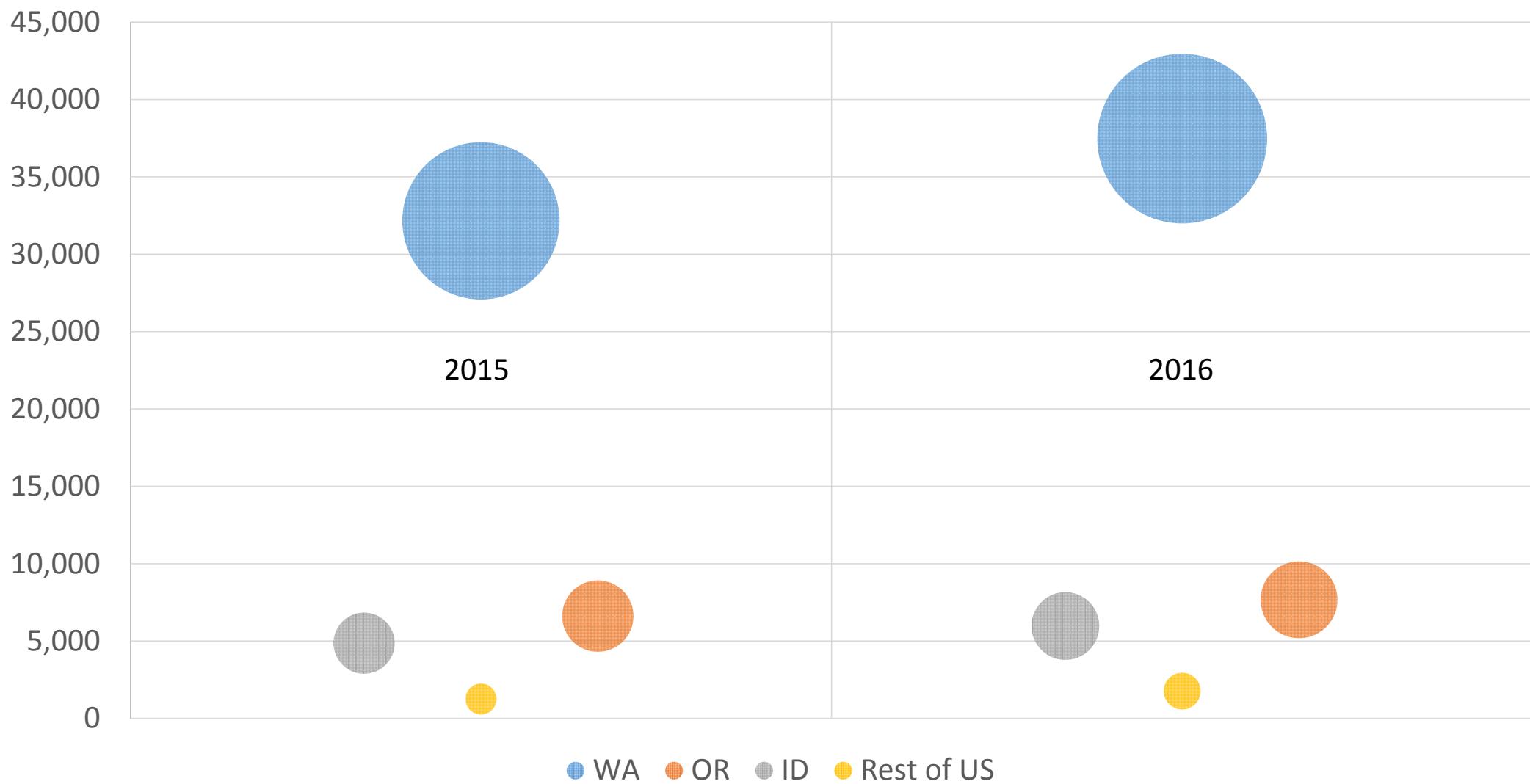
Net Exports, by Type of Hop Product, 1992-2016



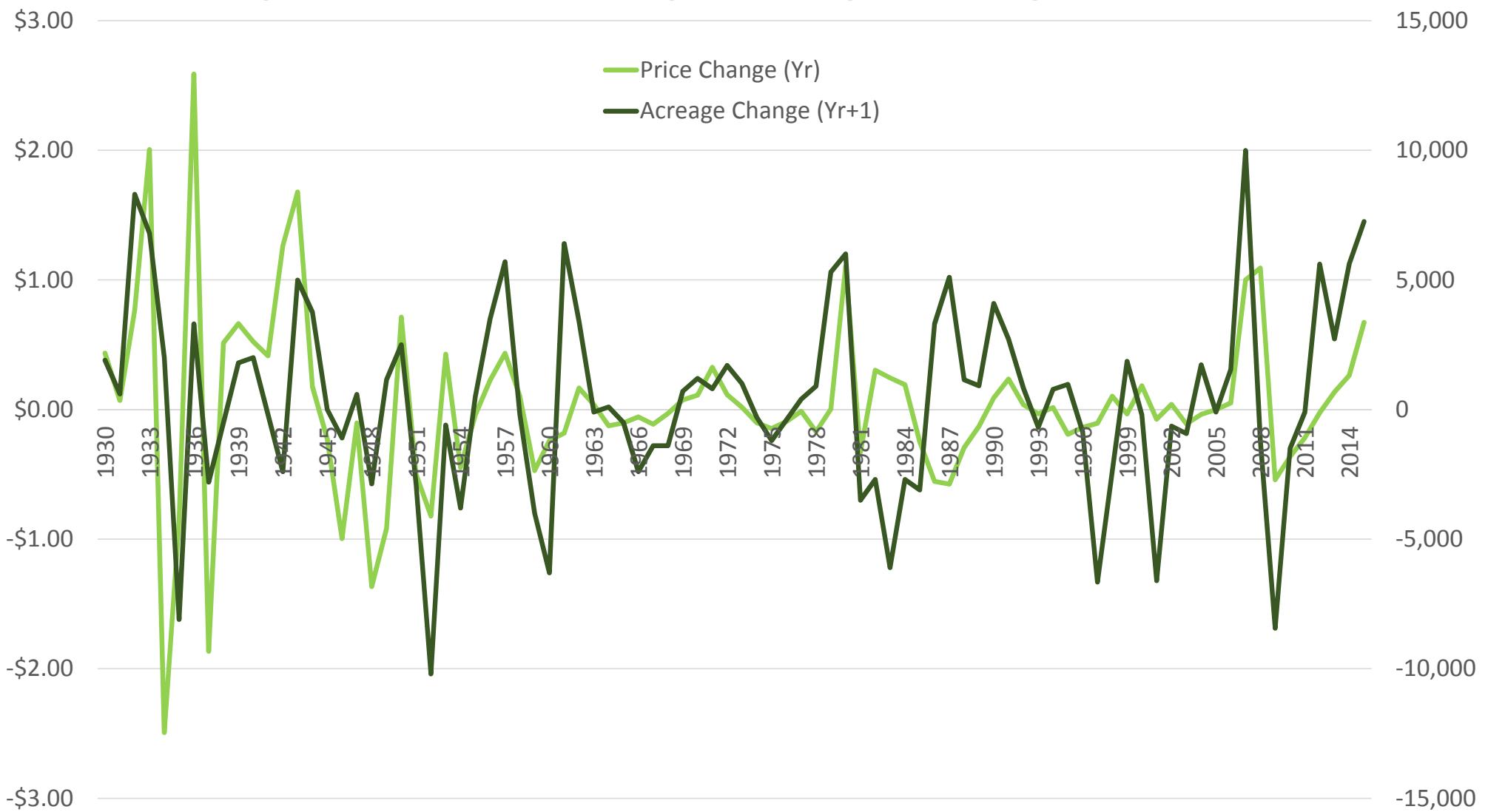
US Hop Acres, 1930-2016 (USDA-NASS)



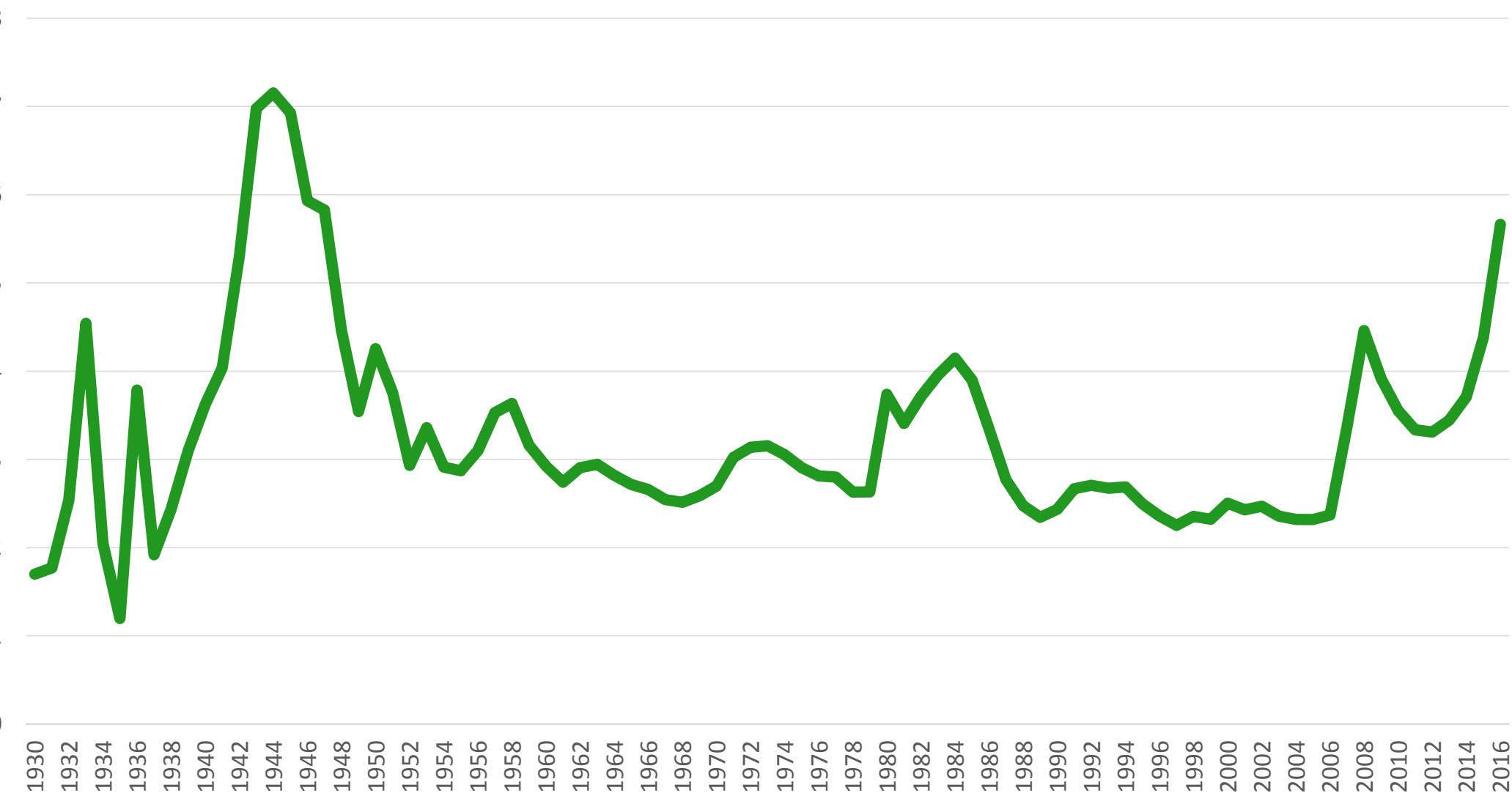
Hops by State, 2015 vs 2016



Change in Real Price and Change in Acreage Following Year, 1930-2015



Real Price of Hops/LB (USDA-NASS and BEA), 1930-2016



A glass of beer with a thick head of foam, set against a dark background.

Questions?