

WASHINGTON STATE SPIRITS PRIVATIZATION: HOW SATISFIED WERE LIQUOR PURCHASERS BEFORE AND AFTER, AND BY TYPE OF RETAIL STORE IN 2014?

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## **DECLARATIONS**

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- Research conducted and data collected under human subjects assurances from the Public Health Institute IRB (Assurance # I13-010.
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# **BACKGROUND**

- In June, 2012, after passage of an initiative, Washington State ended a wholesale
  and retail monopoly on liquor, permitting sale of spirits in stores with > 10,000
  square feet, and ending the three-tier system separating production, distribution
  and retail levels, in place since repeal of Prohibition.
- The initiative's success (after a previous failure) in part was due to language assuring liquor taxes to generate State revenues equivalent to the earlier Liquor Control Board's (LCB) markups. Spirits taxes in Washington are the highest in the nation.
- The initiative resulted in a 15.5% average price increase for the 75 ml size (4.7% for 1.751 size), but also about five times as many stores selling liquor, including supermarkets, drug stores, liquor superstores, wholesale sores like Costco and others. (Kerr, Williams & Greenfield, 2015)
- The spirits privatization initiative represents a 'policy intervention' in which two important alcohol control policy levers, each of which evidence suggests are important ways of reducing alcoholrelated problems in themselves—increasing taxes/price, and decreasing availability (<u>Babor et al., 2010</u>)—appear at the same time to be pulling in opposite directions (i.e., increased taxes/price and also increased availability of spirits).



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### **BACKGROUND-PURCHASE EXPERIENCES**

- Our project is evaluating a range of privatization outcomes, with the study presented here focused on purchase experiences pre to post privatization and between-store experiences after privatization. Prior to the privatization the Washington State Liquor Control Board (LCB) sponsored a survey of liquor purchasers (599 customers at the LCB monopoly stores, studied here) as well as non-customers.
- In 2014 our NIAAA-supported 5-year project conducted the baseline wave of an ongoing representative random digit dialed (RDD) telephone (landline and cell phone) survey of 1,202 state residents, of whom 465 were liquor purchasers of legal age (> 21 years).
- These same items as the LCB satisfaction survey were used in 2014 to compare the experiences between the types of stores "at which you last purchased liquor."



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## **DATA SOURCES**

**The LCB survey** was conducted under State LCB contract by Elway Research, Inc. (a market research firm) with landline telephone surveys conducted in English between  $\underline{\text{December 26}}$  and  $\underline{28}$ ,  $\underline{2010}$ . Of those reached (response rate not reported), 52% of the liquor purchasers in LCB-authorized (monopoly) stores were women; by age, 10% were 21-35, 27% 36-50, 40% 51-64, and 23% 65% were employed, 8% unemployed and 29% retired. They were well distributed throughout the state and by rural, suburban, urban classification, with 96% of the purchasers reporting being drinkers themselves.

Baseline data for our ongoing Washington State surveys were collected between January and April, 2014. by ICF Macro, Inc., of Burlington, Vermont. The survey series examines changes in adult consumption, purchase decisions, beverage selection, brand-pricing, retail locations and, here, satisfaction with store features. The analytic sample included 465 adults aged ≥ 21 who purchased or drank liquor (spirits) in the prior 12 months. We used state-wide list-assisted random digit dialed (RDD) strategy, randomly selecting one adult (age ≥ 18) per landline household. For the 50% cell-phone sample, any answering adult who reported being in a safe place was eligible. The initial sample had 1,202 cases (cooperation rates: landline 50,9%, cell phone 60,9%). Of these, 465 were ≥ 21 who purchased/drank spirits in the last 12 months.

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### **MEASURES**

- Satisfaction with retail purchase experiences used the 10 Likert-type questions from the LCB December 2010 survey that we retained, each asking the respondent to give a grade, from A (best) to D (worst) and F (fail) to each feature of the purchasing experience. Grades were recoded to numeric values with F=0, D=1, C=2, B=3 and A=4.
- Satisfaction items retained were: 1) courtesy of staff, 2) professionalism of staff, 3) adequate supply of product, 4) selection of liquor offered, 5) level of staff knowledge, 6) number of staff to help, 7) store prices, 8) convenience of store locations, 9) speed of checkout, and 10) store's operating hours.
- Types of retail stores purveying liquor post privatization in 2014 were classified as follows: a) Liquor Superstores (e.g., Bewmo, Total Wine and More), b) Liquor Stores, c) Grocery Stores, d) Drug Stores, e) Department Stores, f) Wholesale (e.g., Costco), and g) Other.

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#### MEAN SATISFACTION WITH 10 ASPECTS OF LIQUOR PURCHASES Total 2014 2014 2014 2010 2010 310 Courtesy of staff 3.50 3.54 3.43 3.51 3.57 3.57 Professionalism of staff 3.39 3.45\* 3.34 3.42 3.43 3.51 Adequate product supply 3.36 3.50\*\* 3.47 3.53 Selection of liquor offered 3.27 3.29 3.20 3.20 3.37 3.37 Level of staff knowledge 3.22 2.94\*\*\* 3.15 2.88 3.29 3.00 3.02\*\*\* Number of staff to help 3.18 3.09 3.00 3.27 3.05 2.91\*\*\* Store's prices 2.23 2.11 2.83 2.36 2.99 Convenience of location 3.39 3.51\*\* 3.39 3.44 3.48 3.57 Speed of checkout 3.33 3.39 3.35 3.32 3.46 3.38 Store's operating hours 3.13 3.57\*\* 3.01 3.53 3.25 3.61 3.21 3.31 3.13 3.26 3.36 ratings recoded as: 0 = F, 1 = D, 2 = C, 3 = B, 4 = A; t-tests for pre-post: \*p<.05 \*\*p<.01 \*\*\*p<.001 ARG

	Total	Liquor Superstores	Liquor Stores	Grocery Stores	Drug Stores	Department Stores	Wholesale	Other	F*
N	465	35	31	178	13	80	49	36	
Courtesy of staff	3.53	3.78	3.23	3.56	3.63	3.44	3.60	3.44	1.72
Professionalism of staff	3.47	3.76	3.22	3.51	3.49	3.31	3.59	3.59	1.98
Adequate product supply	3.50	3.83	3.57	3.48	2.91	3.49	3.47	3.70	5.48**
Selection of liquor offered	3.28	3.81	3.57	3.12	2.94	3.22	3.38	3.53	7.17**
Level of staff knowledge	2.89	3.55	3.63	2.78	2.59	2.72	2.79	3.03	7.36***
Number of staff to help	3.00	3.60	3.41	2.96	2.97	2.84	2.76	3.06	5.87***
Store's prices	2.90	3.24	2.81	2.69	2.53	2.95	3.32	3.14	3.52**
Convenience of location	3.53	3.23	3.58	3.66	4.00	3.60	3.37	3.07	21.10***
Speed of checkout	3.35	3.71	3.62	3.33	2.91	3.25	3.09	3.48	3.08**
Store's operating hours	3.57	3.83	3.68	3.66	3.65	3.57	3.25	3.32	3.71**

#### SUMMARY OF MAIN PRE-POST PRIVATIZATION FINDINGS

- Five of the 10 purchase experience features were rated more favorably after privatization (ps < .05 to < .001)</p>
  - product supply, staff professionalism, location convenience, store hours and even store's prices.
- But prices were the lowest ranked attribute both times
  - (those with lowest family incomes (< \$30K) in 2014 appeared to rate price slightly less favorably – results not shown.)
- Liquor selection offered, staff courtesy, and checkout speed were unaltered.
- 'Number of staff to help' and 'level of staff knowledge' both declined (p < .001) from the 2010 experience with LCB stores compared to the 2014 privatized stores.

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### SUMMARY OF MAIN 2014 STORE-TYPE FINDINGS

- For five of the 10 consumer-experience satisfaction scores location, F-tests indicated significant overall differences by store (p < .001):</li>
  - adequate supply of product, selection of liquor offered, level of staff knowledge, number of staff to help, and convenience of store location.
- overall satisfaction levels differed on three further experience attributes (p < .01):</li>
  - store hours, speed of checkout and prices.
- Post-hoc analyses indicated five satisfaction aspects were highest for liquor superstores:
  - supply, selection, number of staff to help, operating hours and checkout speed
- 'Location convenience' favored grocery and drug stores, and 'price satisfaction' favored wholesale (Costco) stores.
- Only one attribute—staff knowledge—was highest at liquor stores.

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### CONCLUSIONS

- Satisfaction with liquor purchase experiences increased after privatization for half the features of the purchase experience assessed both times, and decreased for two attributes (both related to staffing (knowledge and number helping).
- Availability (location and hours) perceived product supply and staff professionalism appeared to be the most favored for open market liquor purchasers.
- After privatization it is still possible to find relatively inexpensive spirits products, so perhaps it is not as surprising that price (though still the least favorable attribute at both times), was rated somewhat better after than before privatization.
- Objectively prices went up on average 15.5% for the 75 ml size and 4.7% for the 1.75 l size (Kerr et al., 2015), but as we noted "persistent drinkers looking for low prices will be able to find them in certain stores" (Abstract). This is particularly true for the large size of spirits containers, for certain brands, in the wholesale Costco store.

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### CONCLUSIONS

- One additional indication that consumers were aware
  of the increased spirits prices and responsive to the
  price hike is that that those close to the Oregon border
  have been purchasing liquor at lower-priced
  monopoly stores near the Washington border
  - One study indicated a 21% increase in sales at Oregon border stores post Washington's privatization (<u>LoPiccalo</u>, 2014).
  - The same was said to be true of Idaho, paradoxically also a monopoly state (<u>Cull</u>, <u>2014</u>).
- Later we will consider how such experiences as well as harms experienced more broadly (purchasers and non-purchasers) affect sustained support of the privatization and for other alcohol control policies.

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# **LIMITATIONS**

- Cross-sectional, self-report results, obtained with somewhat different telephone surveys.
- Washington State LCB survey is "as is."
- Small samples of spirits purchasers at both times.
- Descriptive findings without adjustments for demographics (other than gender).
- Nevertheless this represented an unusual opportunity to conduct a formal pre-post test of experiences with purchasing liquor in monopoly versus privatized stores after spirits privatization in Washington State.

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