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**PRESENTERS: DR. SONAM GUPTA
DR. MITHUNA SRINIVASAN**



NATIONAL ASSOCIATION FOR WELFARE RESEARCH & STATISTICS

**GOLD-STANDARD EVALUATION OF
ENTREPRENEURIAL TRAINING PROVIDED
WITHIN THE PUBLIC WORKFORCE SYSTEM**

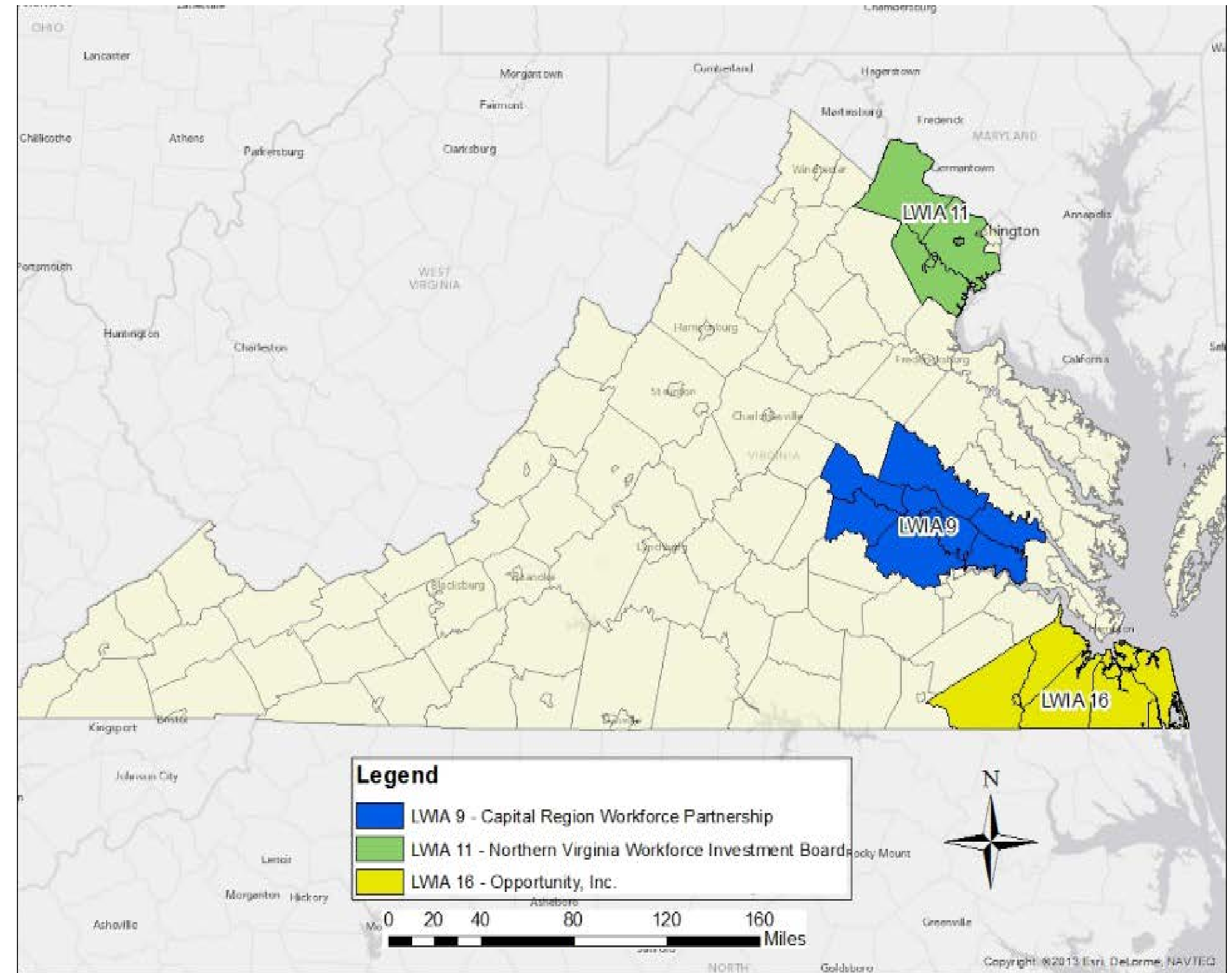
WHAT IS VETEC?

- The Virginia Employment Through Entrepreneurship Consortium (VETEC) Program was a Workforce Innovation Fund initiative

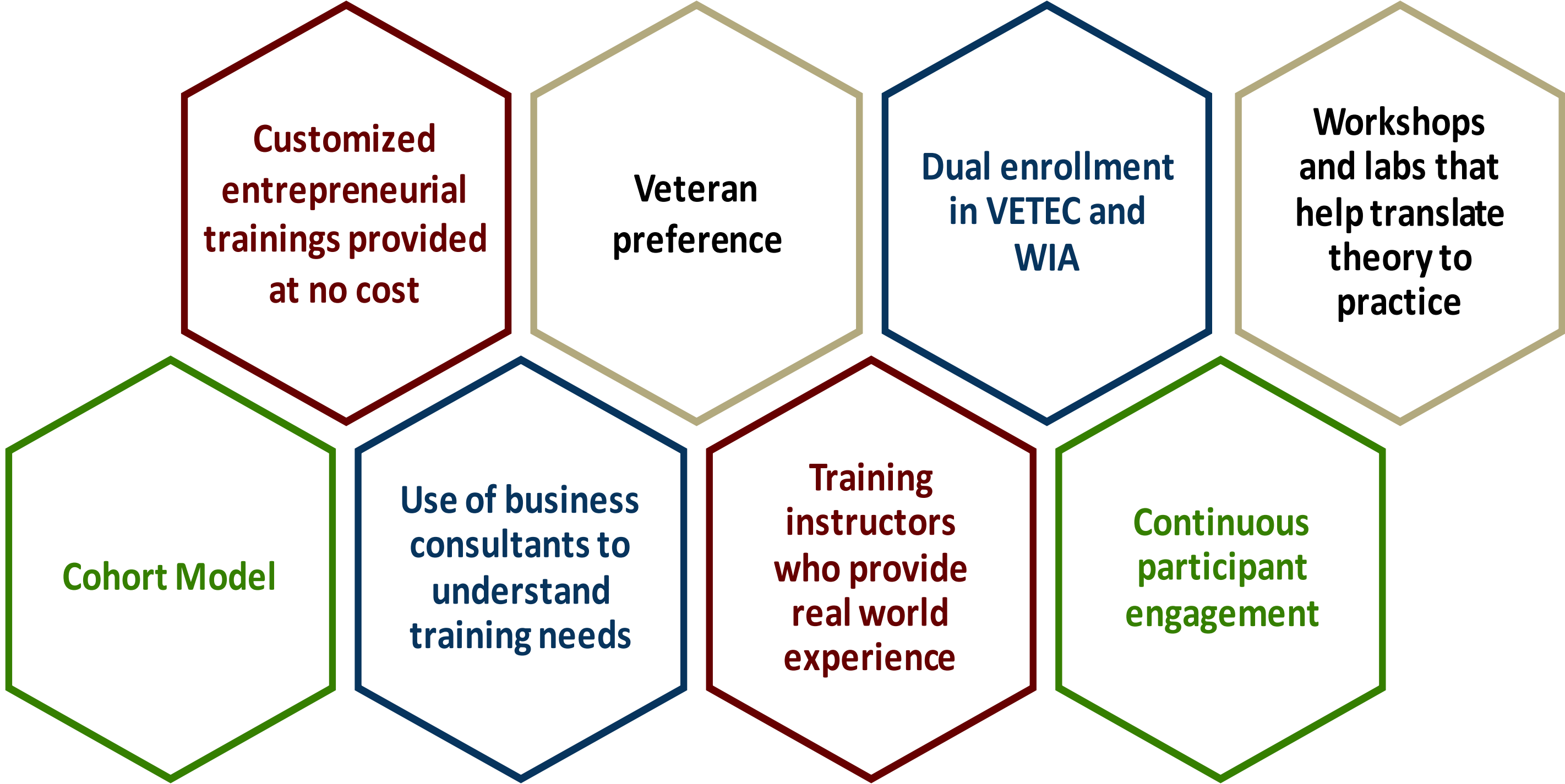
- VETEC was designed to:
 - ▶ Provide comprehensive entrepreneurship training and technical assistance to start their own business
 - ▶ Promote policy change by supporting self-employment as a viable career choice for job seekers; and
 - ▶ Improve the prosperity of workers, businesses, and communities.

WHAT IS VETEC?

- July 2012 – June 2017
- U.S. DOL awarded contract for \$8.35m; contract began July 2012
- Program was in operation across three unique LWIAs: ENOVATE, GR GATE, and Launch Hampton Roads
- Served WIA/WIOA-eligible adults and dislocated workers over age 18



VETEC FEATURES

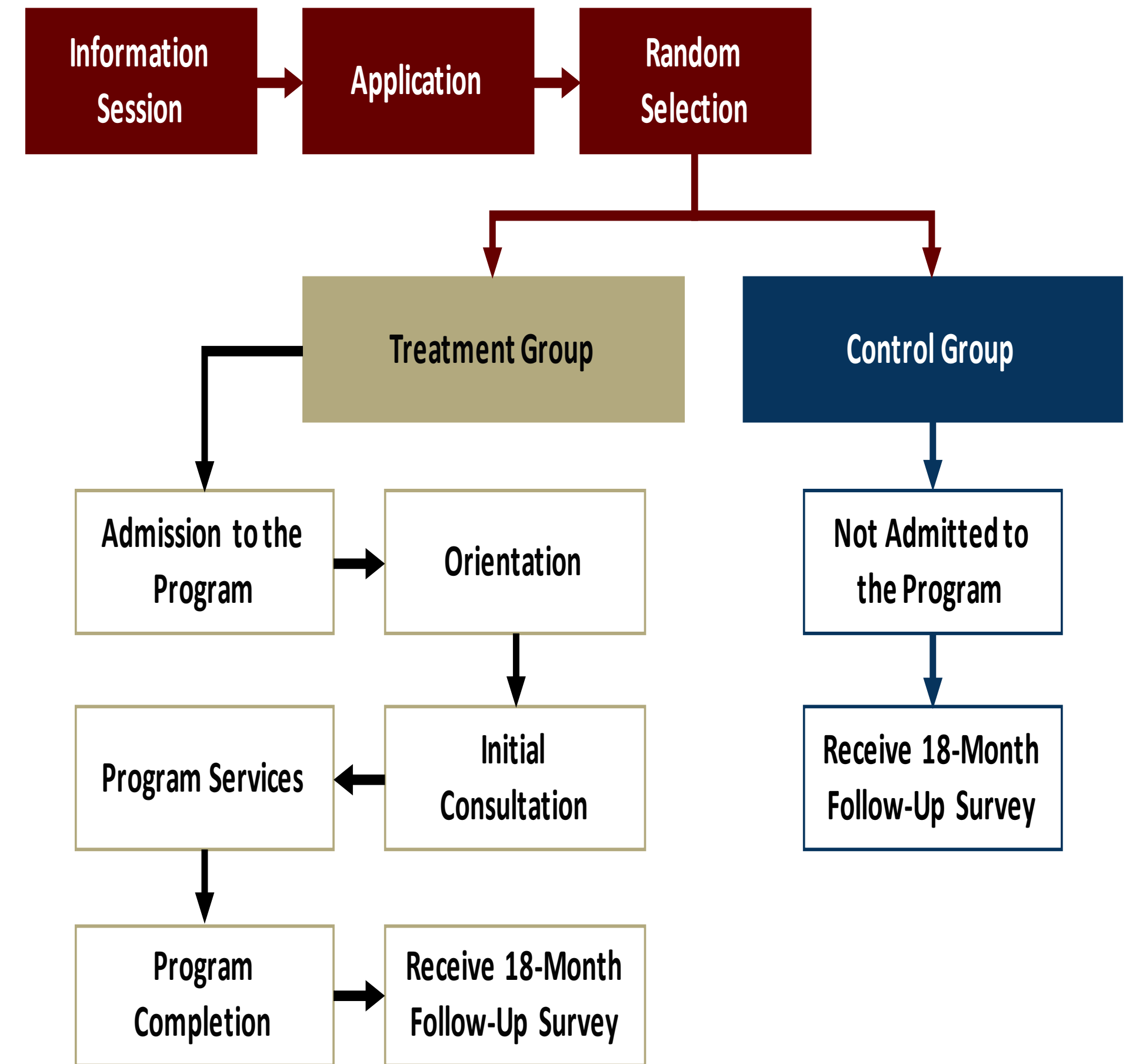


EVALUATION OVERVIEW

- Workforce Innovation Fund (WIF) requirement
- Mixed-methods evaluation
- Several data collection activities including 18-month follow-up survey.

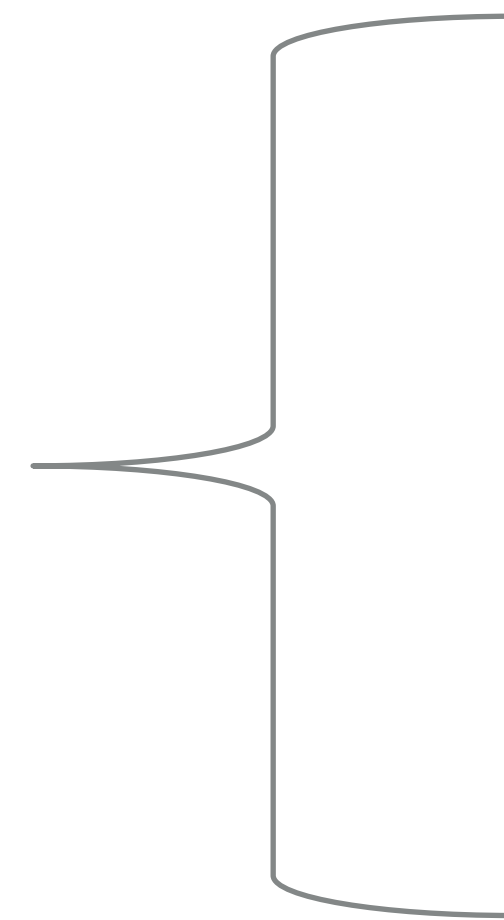
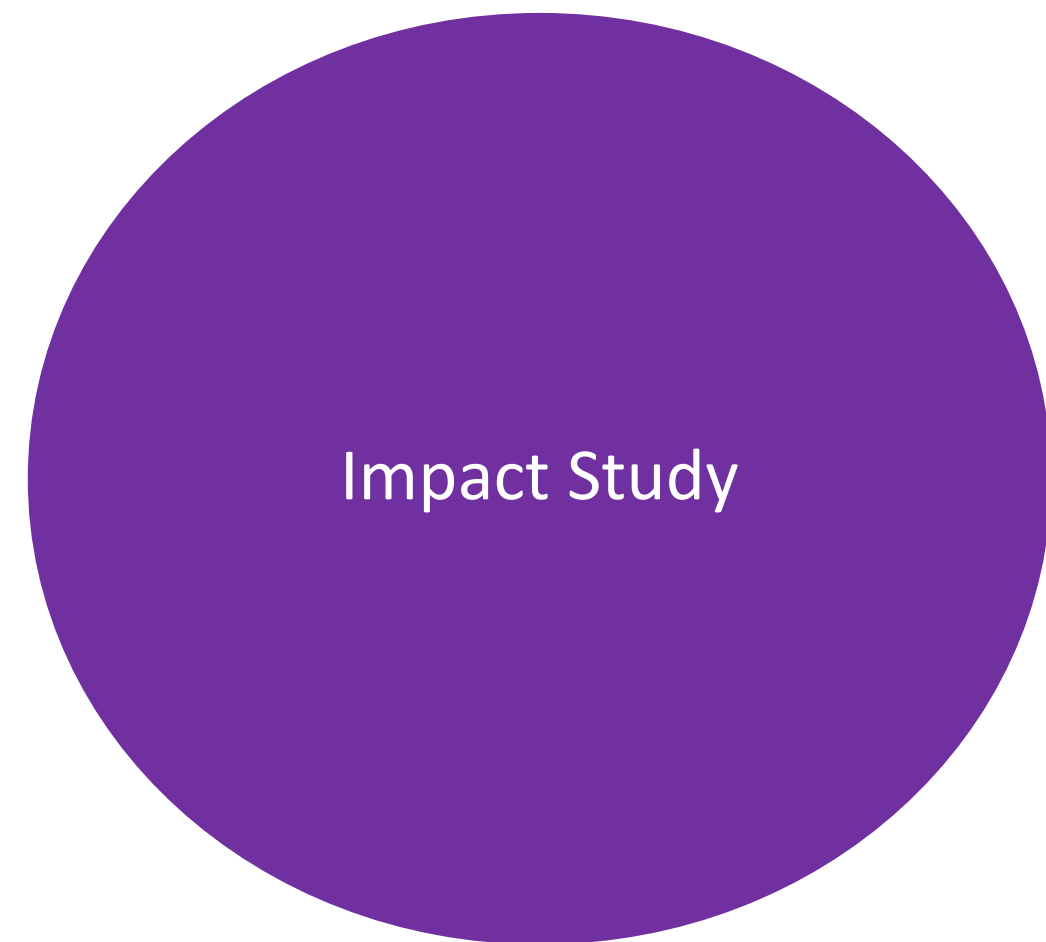
EVALUATION OVERVIEW

- Random assignment design
 - ▶ Batch randomization
 - ▶ Veterans excluded from random assignment
 - ▶ Random assignment succeeded in creating comparable treatment and control groups



Study Participants	Number
Treatment	40% (373)
Control	38% (360)
Veteran	22% (202)
All	100% (935)

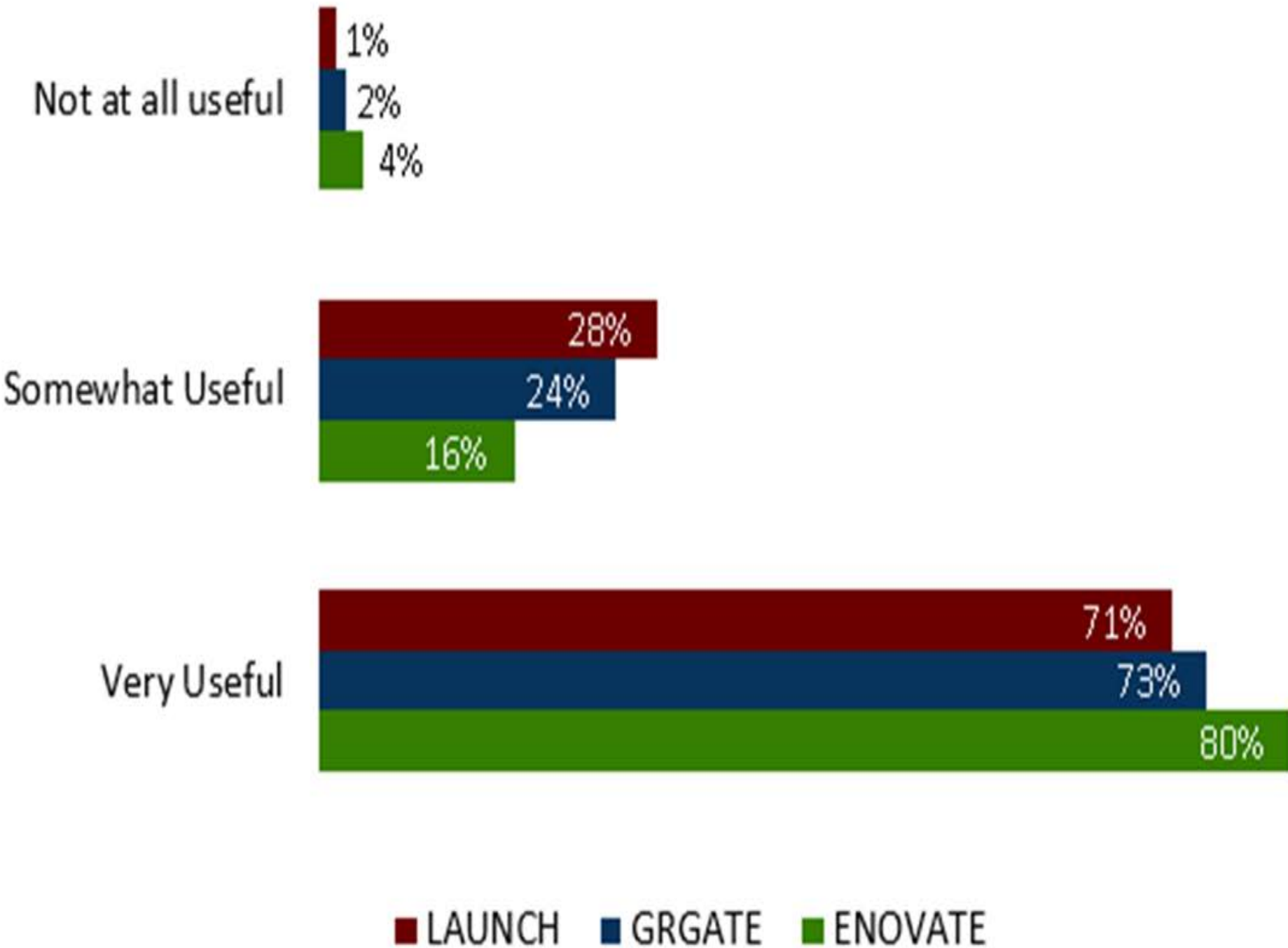
QUANTITATIVE EVALUATION



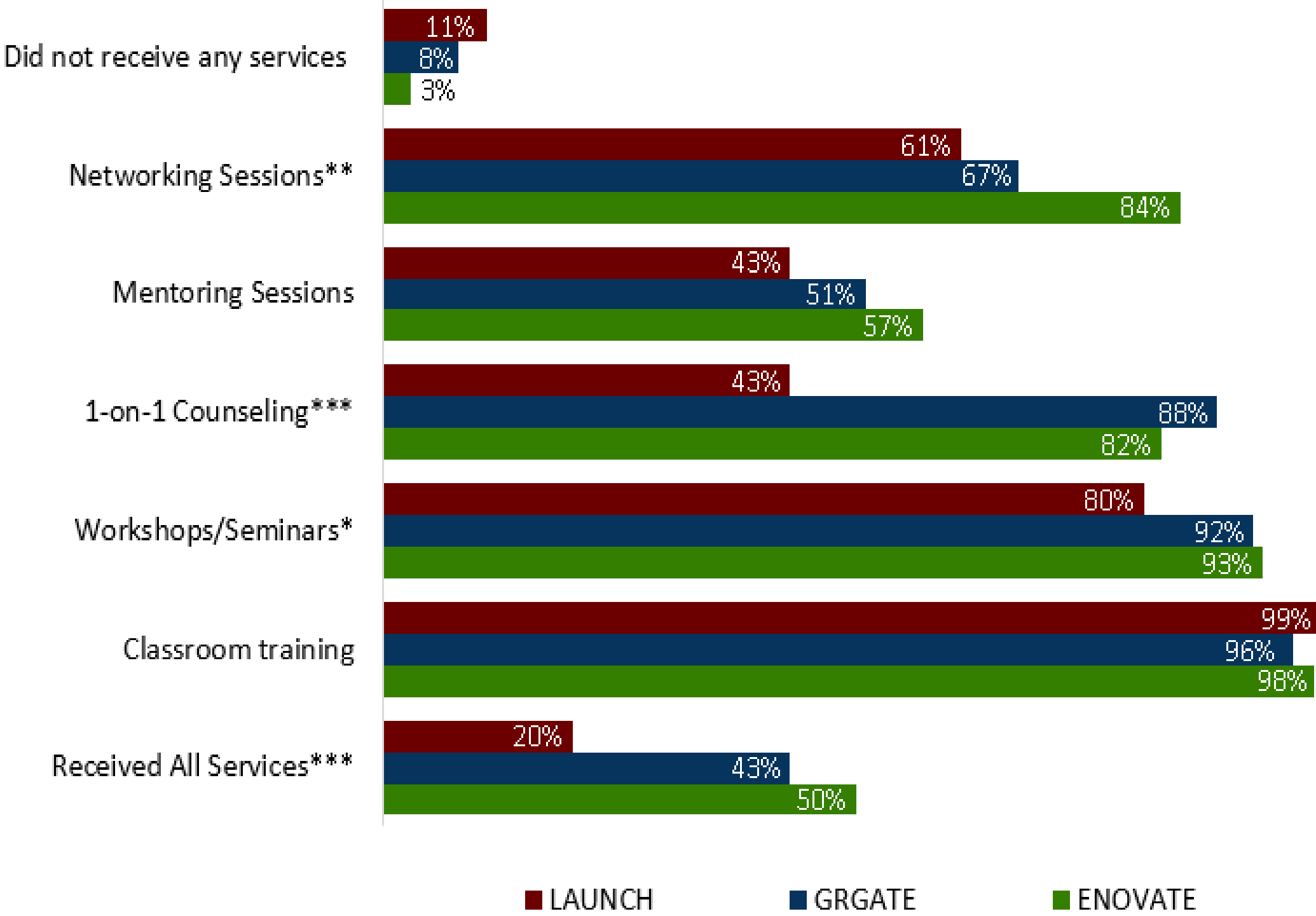
- Descriptive and Outcomes Analysis
- Impact Analysis
- Analysis of veteran outcomes

DESCRIPTIVE ANALYSIS

Overall satisfaction with services



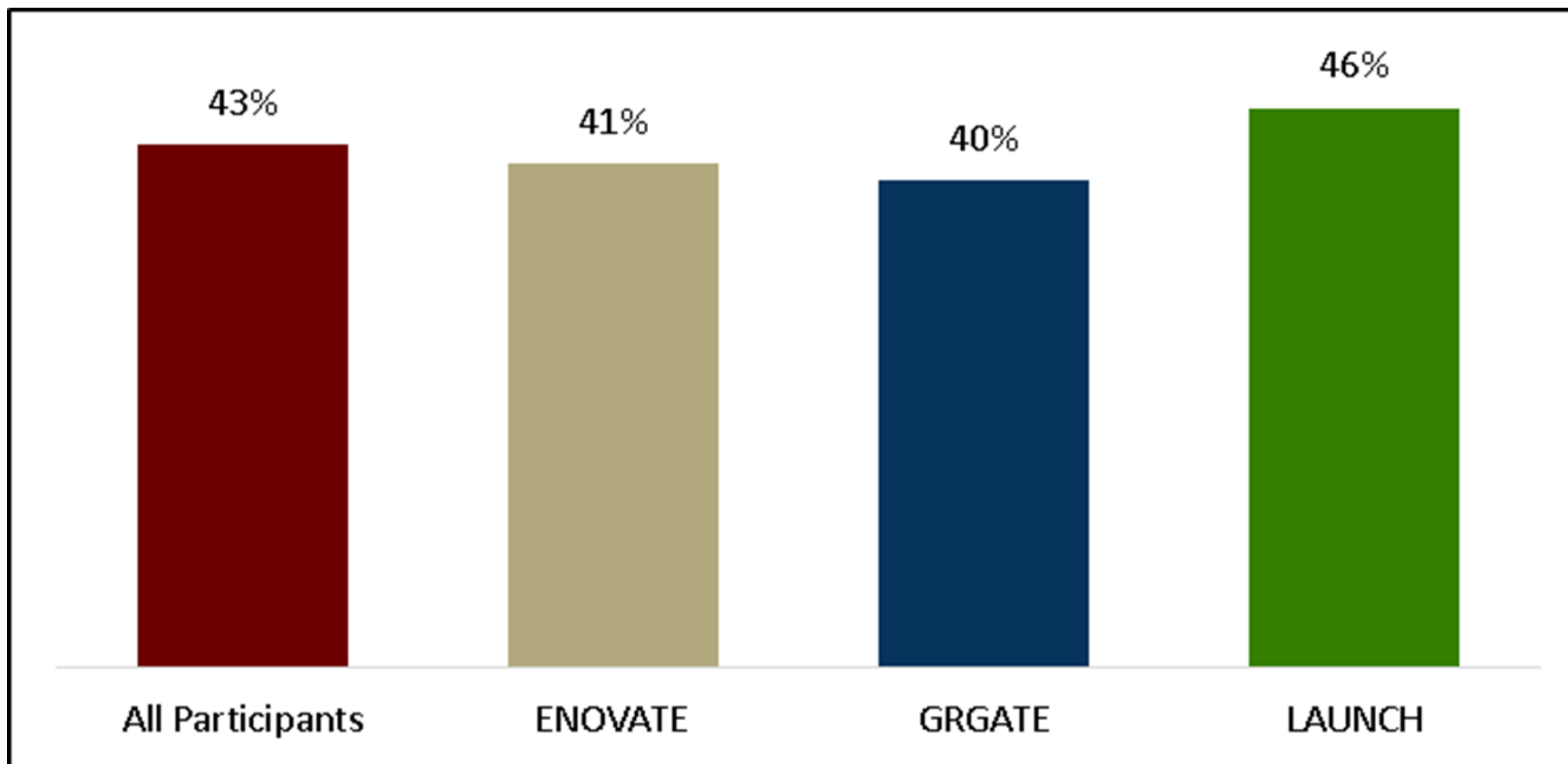
Receipt of Services Across Sites



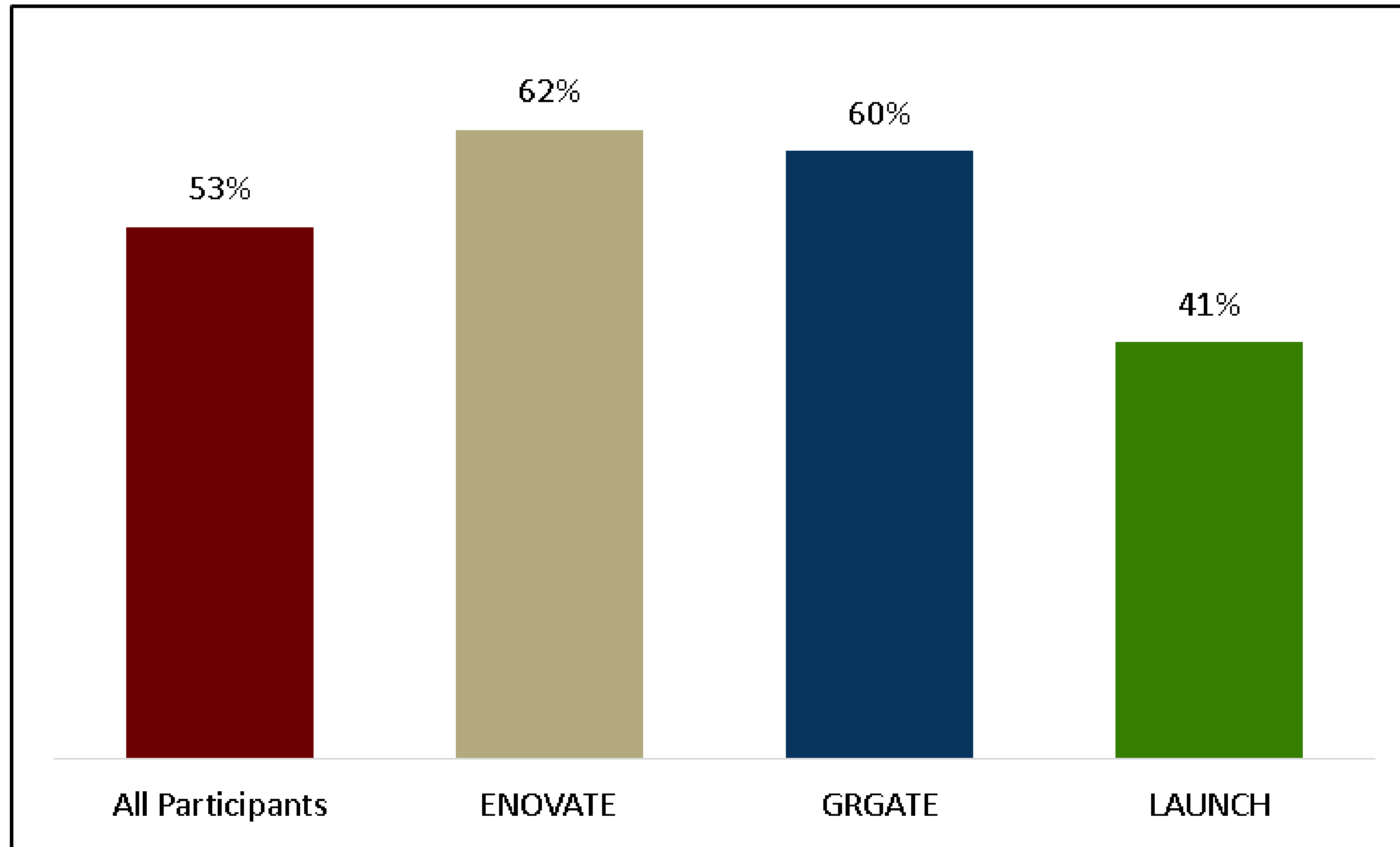
OUTCOMES ANALYSIS

- 733 individuals across treatment and comparison groups (T=373, C=360).
- 21 percent deemed successful completers.
- Outcomes considered:
 - ▶ Likelihood of self-employment
 - ▶ Likelihood of salaried employment
 - ▶ Total earnings (self and/or salaried)
 - ▶ Amount and duration of UI benefits

Self-Employment Status at Follow-up



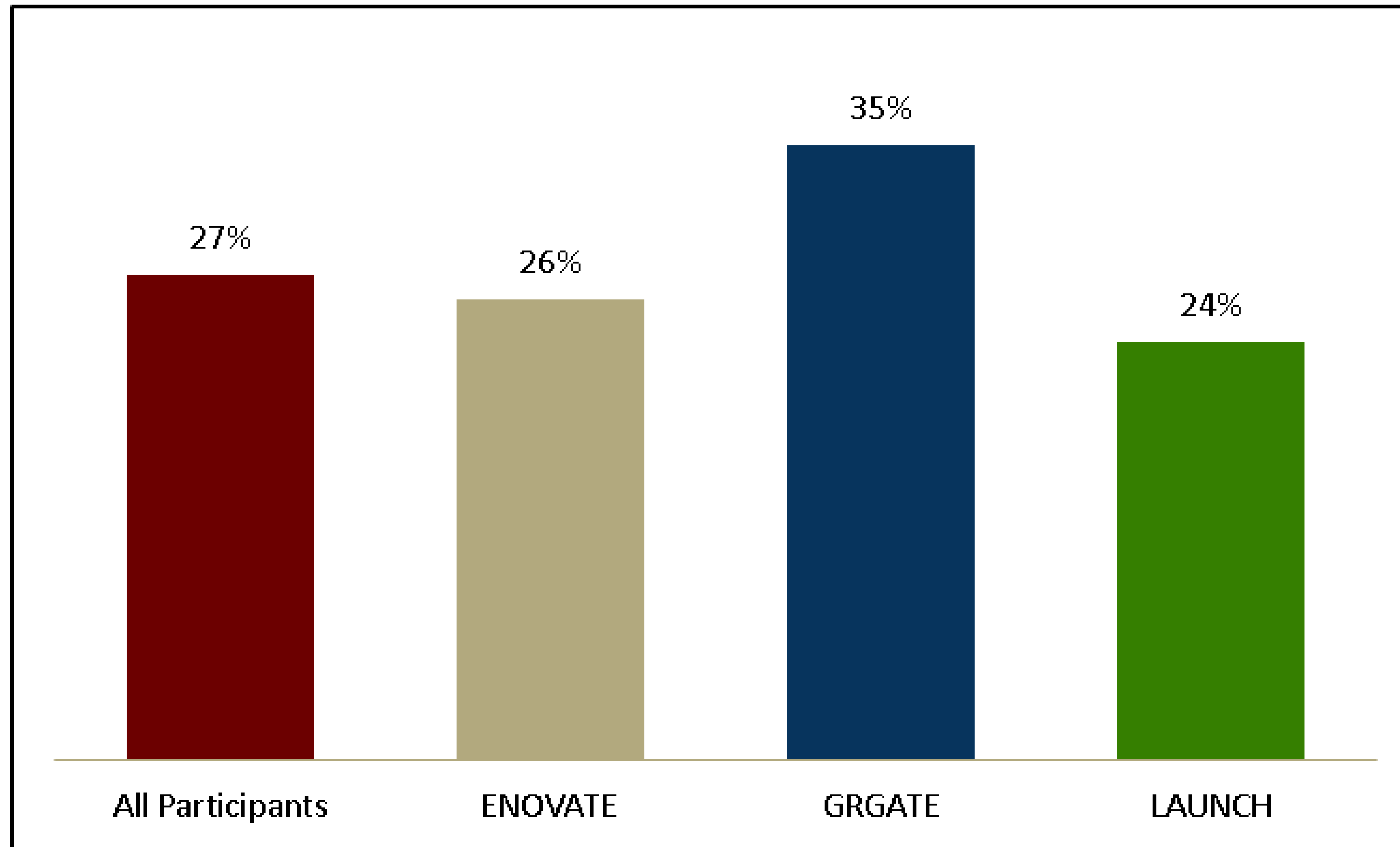
Salaried Employment Status at Follow-up



Average Earnings, By Employment Type and Overall

Earnings Type	All Participants	ENOVATE	GRGATE	LAUNCH
Self-Employment Earnings	\$7,556	\$6,122	\$10,931	\$6,068
Salaried Employment Earnings	\$21,498	\$27,084	\$23,538	\$16,196
Total Earnings	\$28,492	\$31,175	\$34,470	\$22,168
Total Participants	152	44	46	62

Receipt of UI Benefits During Follow-up



IMPACT ANALYSIS: RESEARCH QUESTIONS

- Does VETEC increase self-employment (participants starting own business and not working for someone else)?
- Does VETEC increase salaried employment?
- Does VETEC increase earnings among unemployed and underemployed participants??
- What is the impact of VETEC on number of weeks of UI receipt, and amount of UI benefits received by participants?

VETEC Impacts on Labor Market Outcomes

Outcome	Sample Size	Regression-Adjusted Estimate	Unadjusted Estimate		
			Treatment Group Mean	Control Group Mean	Difference
Self-Employment	365	0.090 (0.048)*	0.429 (0.035)	0.329 (0.036)	0.099** (0.051)
Salaried Employment	365	0.018 (0.053)	0.525 (0.036)	0.515 (0.039)	0.010 (0.053)
Total Earnings	360	720 (3273)	24,178 (2406)	23,140 (2431)	1,037 (3444)

VETEC Impacts on UI Benefit Receipt

Outcome	Sample Size	Regression-Adjusted Estimate	Unadjusted Estimate		
			Treatment Group Mean	Control Group Mean	Difference
UI Benefit Frequency (Weeks)	360	0.587 (0.786)	2.954 (0.521)	2.564 (0.509)	0.390 (0.736)
UI Benefit Amount	361	-11.59 (14.29)	73.85 (9.89)	83.43 (11.29)	-9.57 (14.95)

Regression-adjusted VETEC Impacts by Age (Confirmatory)

Outcome	Sample Size	Less than 45 Years Old	45+ Years Old
Self-Employed	365	-0.038 (0.081)	0.196 (0.057)***
Employed in a Salaried Job	351	0.059 (0.084)	-0.014 (0.064)
Total Earnings	360	1034 (4975)	521 (4274)
UI Benefit Frequency (Weeks)	360	2.173 (1.358)	-0.418 (0.886)
UI Benefit Amount	361	22.523 (22.025)	-32.764 (17.831)*

Regression-adjusted VETEC Impacts By Baseline UI Receipt (Exploratory)

Outcome	Sample Size	Received UI at Baseline	Did not Receive UI at Baseline
Self-Employed	365	0.160 (0.076)**	0.068 (0.059)
Employed in a Salaried Job	365	0.090 (0.083)	-0.033 (0.065)
Total Earnings	360	-4389 (6679)	3683 (3352)
UI Benefit Frequency (Weeks)	360	-0.352 (1.756)	1.107 (0.623)*
UI Benefit Amount	361	-50.98 (30.45)*	10.55 (13.08)

Outcomes Achievement, Veterans Versus Non-veteran Program Participants

Outcome	Veterans	Non-Veterans	Difference
Employment			
Self-Employed	0.439	0.430	0.009 (0.060)
Employed in a wage or salary job	0.393	0.525	-0.133 (0.060)**
Earnings			
Earnings from Self-Employment	\$11,068	\$12,162	- 1,094 (4,002)
Earnings from Salaried Employment	\$54,064	\$31,010	23,054 (9,355)**
Total Earnings	\$36,635	\$32,541	4,094 (12,832)
UI Benefit Receipt			
Duration of UI benefits	12.0	11.3	0.7 (2.7)
Amount of UI benefits	\$310	\$278	31 (29)

CONCLUSION

- Random assignment was successful
- VETEC led to a 9 percentage point increase in self-employment
 - ▶ Particularly among participants 45 and older, who saw nearly a 20 percentage point increase in self-employment
- VETEC did not have a significant effect on total earnings, salaried employment, or UI receipt.

QUESTIONS

- Comments and questions?
- Contact Information:

Sonam Gupta, PhD
Senior Research Associate
IMPAQ International
sgupta@impaqint.com
(202) 774-1955
www.impaqint.com

Mithuna Srinivasan, PhD
Research Associate
IMPAQ International
msrinivasan@impaqint.com
(202) 774 1995
www.impaqint.com