



## The Academic Achievement of Student Veterans in a Public Two-Year College

Hsun-Yu Chan, University of Wisconsin–Madison, USA  
 Jamie Seyfert, Waukesha County Technical College, USA



### Summary

We explored what factors are related to student veterans' academic success in two-year technical colleges, with a special attention to those in manufacturing programs. We found that:

1. **Successful course completion rate** and **math proficiency** are related to one's academic success.
2. But, credits transferred from military experience is not.
3. Females or younger veterans also outperformed their peers.

### Why Veterans?

- Veterans' presence in two-year colleges increases since more come back from battlefield
- They are not typical non-traditional students, thanks to the GI Bill

### Why Manufacturing?

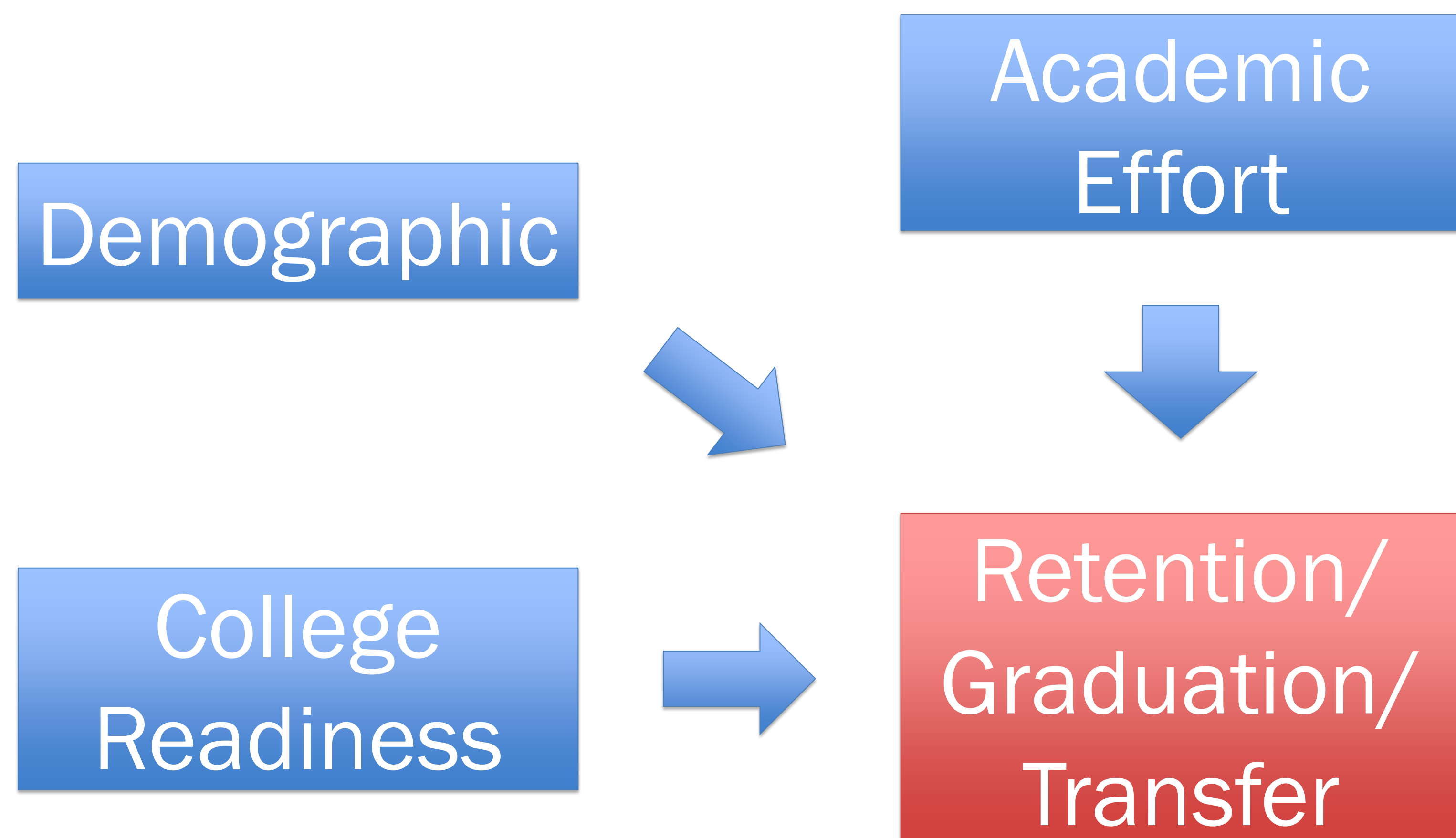
- It is the largest industry in the US, particularly important for Midwest
- Future jobs require some postsecondary education. Two-year colleges are ideal places.
- One of the most popular majors for student veterans (7%)

### Sample & Data

409 students veterans enrolled between 2005 and 2014 in Waukesha County Technical College in Wisconsin. Transcript, administrative, and National Student Clearinghouse record are analyzed by using logistic regression.

### Implication

- High academic standard
- Math proficiency cannot be overlooked, regardless of major
- Credits transferred from military experiences deserve further consideration



Variable	B (SE)	OR	Prob. Change
(Intercept)	-.01 (2.22)		
Male	-1.02 (.40)	.36*	-13.9%
Age	-.04 (.01)	.96**	-.9%
Ethnic Minority	.21 (.41)	1.24	3.7%
Disability	-.15 (.54)	.86	-2.9%
Remediation	.44 (.35)	1.55	7.1%
Pell Grant	.67 (.44)	1.95	10.2%
METTE	-.22 (.36)	.80	-4.5%
AAS	-.67 (.34)	.51*	-10.2%
Succ. Comp. %	2.92 (.57)	18.45***	.5%
Compass-Math	.03 (.01)	1.03***	.6%
Compass-Reading	-.01 (.03)	.99	-.2%
Military Exp. Cred.	.04 (.12)	1.04	.7%
Transferred Cred.	.09 (.05)	1.09	2.2%

\*  $p < .05$  \*\*  $p < .01$  \*\*\*  $p < .001$