

Supplementary Table 5 PTSD and Dementia

Dementia Positive Findings				
Study	N, Gender, and Mean Age	PTSD Diagnostic & Assessment Methods	Description	Findings
Qureshi et al. 2010 (72)	+PTSD/-Purple Heart (PH): 3660 (3616 men, 44 women) -PTSD/+PH: 1503 (1502 men, 1 woman) +PTSD/-PH: 153 (all men) -PTSD/-PH: 5165 (5123 men, 42 women) Gender (see above) Mean Age (SD) years in September 1999: +PTSD/-PH = 73.9 (5.3) -PTSD/+PH = 73.7 (5.0) +PTSD/+PH = 73.3 (4.7) -PTSD/-PH = 73.8 (5.2)	International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9) codes	Retrospective review of VA administrative database Primary outcome: Incidence and prevalence of dementia in older PTSD+ and PTSD- Veterans with or without Purple Hearts (PH)	PTSD+/PH- had significantly higher incidence and prevalence of dementia than PTSD- with or without a PH
Yaffe et al. 2010 (73)	Data from the VA National Patient Care Database +PTSD: 53,155 (51,986 men and 1169 women) -PTSD: 127,938 (122,820 men and 5118 women) Gender (see above) Mean (SD; range) Age years:	Veterans with IDC-9-CM code for PTSD on at least two different visits	Retrospective cohort study. Primary outcome risk of developing dementia.	+ PTSD ↑ risk of developing incident dementia compared to those – PTSD (HR 2.31; 95% CI 2.24-2.39)

	+PTSD = 66.2 (9.0; 55.0-100.0) - PTSD = 69.9 (8.2; 55.0 – 100.0)			
Meziab et al. 2014 (74)	Data from 182,879 Veterans VA National Patient Care Database +PTSD/+POW: 150 +PTSD/-POW: 5,964 -PTSD/+POW: 334 -PTSD/-POW: 176,431 Mean age: +POW 76.5 (4.76) =POW 68.4 (7.8)	Clinical diagnostic codes per ICD-9	Retrospective analysis of electronic medical records. Primary outcome: dementia – defined by broad range of diagnostic codes	50% increase in the risk of dementia with POW status alone (HR, 1.56; 95% CI, 1.26–1.92); 75% increased risk of Dementia in PTSD alone (HR,1.78; 95% CI, 1.66–1.90), and >two-fold increase among +PTSD/+POW (HR, 2.39; 95% CI, 1.84–3.11). Interaction between POW status and PTSD status non-significant, indicating an additive/ independent association.
Dementia Positive Findings Negative or Mixed Findings				
None				