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TABLE 4a. Attributable incidence rates and attributable fractions of traumatic brain injury (TBI) diagnoses within 24 months after return from Iraq/Afghanistan, by determinants of likelihood of diagnosis, active component, U.S. Armed Forces, by follow-up period, April 2003—December 2013

a. TBI

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	Determinants of likelihood of diagnosis	2003–2005	2005–2007	2007–2009	2009–2011	2011–2012	2012–2013
Overall	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.71% 13.1	2.34% 32.6	4.96% 44.8	4.69% 39.0	4.63% 36.1	3.86% 34.8
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.47% 8.7	0.60% 8.4	1.86% 16.8	3.10% 25.8	3.97% 30.9	2.99% 27.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.24% 78.2	4.24% 59.1	4.24% 38.3	4.24% 35.2	4.24% 33.0	4.24% 38.2
Service	A ather was a sandar						
Army	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.81% 13.6	3.28% 37.9	8.06% 50.4	5.32% 33.9	4.93% 30.0	4.61% 31.6
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.50% 8.4	0.72% 8.3	3.26% 20.4	5.73% 36.5	6.82% 41.6	5.31% 36.4
Navy	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	4.66% 78.1	4.66% 53.8	4.66% 29.2	4.66% 29.7	4.66% 28.4	4.66% 32.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.56% 12.9	1.98% 38.7	1.90% 33.2	3.64% 52.1	3.06% 42.5	3.89% 49.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.79% 18.2	0.14% 2.7	0.84% 14.7	0.35% 5.0	1.15% 16.0	0.94% 12.0
Air Force	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	2.99% 68.9	2.99% 58.5	2.99% 52.2	2.99% 42.8	2.99% 41.5	2.99% 38.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.36% 7.5	0.48% 9.6	1.07% 19.1	0.45% 7.7	1.29% 20.5	0.86% 15.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.72% 15.0	0.79% 15.8	0.81% 14.5	1.65% 28.4	1.27% 20.2	1.17% 20.3
Marine Corps	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	3.72% 77.5	3.72% 74.5	3.72% 66.4	3.72% 63.9	3.72% 59.2	3.72% 64.7
Warme Corps	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.93% 17.1	2.06% 28.2	2.48% 28.7	4.07% 35.6	5.18% 41.9	2.40% 25.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.01% 0.2	0.74% 10.1	1.65% 19.1	2.84% 24.9	2.67% 21.6	2.43% 26.0
Sex	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.51% 82.8	4.51% 61.7	4.51% 52.2	4.51% 39.5	4.51% 36.5	4.51% 48.3
Male	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.66% 11.7	2.47% 32.5	5.27% 45.3	5.09% 40.3	5.05% 37.6	4.15% 35.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.53% 9.4	0.67% 8.8	1.92% 16.5	3.09% 24.5	3.93% 29.3	2.96% 25.6
Female	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	4.45% 78.9	4.45% 58.6	4.45% 38.2	4.45% 35.2	4.45% 33.1	4.45% 38.5
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.14% 4.0	0.40% 10.0	1.63% 25.0	1.10% 14.7	0.77% 9.5	0.91% 12.6
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.38% 10.8	0.58% 14.5	1.87% 28.7	3.37% 45.1	4.36% 53.6	3.32% 45.9
Age group	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	3.01% 85.3	3.01% 75.4	3.01% 46.2	3.01% 40.2	3.01% 37.0	3.01% 41.6
<25 years	Active war service						
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.79% 14.9	2.79% 37.0	5.36% 47.0	5.58% 44.1	5.79% 43.7	4.98% 44.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.65% 12.3	0.90% 11.9	2.19% 19.2	3.21% 25.4	3.60% 27.2	2.26% 20.4
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	3.85% 72.8	3.85% 51.1	3.85% 33.8	3.85% 30.5	3.85% 29.1	3.85% 34.7

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25–35 years	Determinants of likelihood of diagnosis Active war service	2003–2005	2005–2007	2007–2009	2009–2011	2011–2012	2012–2013
>35 years	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.68% 12.1	2.20% 31.0	5.26% 47.7	4.40% 37.8	4.16% 33.3	3.20% 29.6
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.50% 8.9	0.47% 6.6	1.34% 12.2	2.81% 24.2	3.93% 31.4	3.18% 29.4
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	4.42% 78.9	4.42% 62.3	4.42% 40.1	4.42% 38.0	4.42% 35.3	4.42% 40.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.50% 9.5	1.52% 23.3	3.11% 30.6	3.23% 27.9	2.86% 22.4	2.67% 22.3
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.12% 2.3	0.36% 5.5	2.40% 23.6	3.72% 32.1	5.25% 41.2	4.66% 38.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.64% 88.2	4.64% 71.2	4.64% 45.7	4.64% 40.0	4.64% 36.4	4.64% 38.8
Race/ethnicity	Activo war convice						
White, non-Hispanic	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.60% 10.6	2.40% 31.3	5.10% 44.1	4.74% 37.7	4.91% 36.9	4.06% 35.8
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.56% 9.9	0.75% 9.8	1.94% 16.8	3.30% 26.3	3.87% 29.1	2.76% 24.3
Black, non-Hispanic	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.52% 79.6	4.52% 58.9	4.52% 39.1	4.52% 36.0	4.52% 34.0	4.52% 39.9
Diaor, non mopario	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.72% 15.1	1.34% 23.2	3.50% 37.3	3.38% 31.6	3.14% 27.7	3.08% 29.6
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.25% 5.2	0.63% 10.9	2.08% 22.2	3.50% 32.8	4.38% 38.7	3.53% 33.9
Hispanic	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	3.80% 79.7	3.80% 65.9	3.80% 40.5	3.80% 35.6	3.80% 33.6	3.80% 36.5
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.76% 13.5	3.00% 39.1	5.86% 48.5	5.57% 42.9	5.22% 37.1	3.51% 28.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.83% 14.7	0.64% 8.3	2.19% 18.1	3.38% 26.0	4.81% 34.2	4.59% 37.8
Other/unspecified	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	4.04% 71.8	4.04% 52.6	4.04% 33.4	4.04% 31.1	4.04% 28.7	4.04% 33.3
·	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.59% 12.8	2.02% 34.7	4.40% 48.0	4.12% 43.8	3.85% 35.9	5.18% 56.8
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.09% 1.9	0.00% 0.0	0.82% 9.0	1.34% 14.3	2.93% 27.3	0.00% 0.0
Military occupation	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	3.94% 85.3	3.94% 67.7	3.94% 43.0	3.94% 41.9	3.94% 36.8	3.94% 43.2
Combat-specific	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.85% 14.7	3.13% 34.7	7.15% 51.6	6.18% 41.2	6.49% 40.8	8.98% 67.8
	Enhanced ascertainment Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.65% 11.3	1.63% 18.1	2.43% 17.5	4.54% 30.3	5.13% 32.3	0.00% 0.0
Licelth core	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.27% 74.0	4.27% 47.3	4.27% 30.8	4.27% 28.5	4.27% 26.9	4.27% 32.2
Health care Other/unspecified	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.64% 13.0	2.21% 37.1	4.08% 44.4	4.15% 40.6	4.07% 38.1	2.93% 31.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.65% 13.2	0.10% 1.7	1.46% 15.9	2.42% 23.7	2.96% 27.7	2.81% 29.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	3.65% 73.9	3.65% 61.2	3.65% 39.7	3.65% 35.7	3.65% 34.2	3.65% 38.9
Salon anopoomed	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.60% 11.3	1.76% 26.9	3.83% 38.5	3.75% 34.0	3.55% 30.3	3.17% 30.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.42% 7.9	0.50% 7.6	1.83% 18.4	3.00% 27.2	3.88% 33.1	2.79% 27.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	4.29% 80.8	4.29% 65.5	4.29% 43.1	4.29% 38.9	4.29% 36.6	4.29% 41.9

TABLE 4b. Attributable incidence rates and attributable fractions of post-traumatic stress disorder (PTSD) diagnoses within 24 months after return from Iraq/Afghanistan, by determinants of likelihood of diagnosis, active component, U.S. Armed Forces, by follow-up period, April 2003–December 2013

b. PTSD

	Determinants of the likelihood of diagnosis	2003–2005	2005–2007	2007–2009	2009–2011	2011–2012	2012–2013
Overall	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.48% 82.1	4.31% 81.5	4.44% 73.9	3.95% 66.1	4.29% 63.8	2.38% 46.3
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.26% 8.6	0.70% 13.2	1.29% 21.4	1.75% 29.2	2.15% 31.9	2.48% 48.2
	Background Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.28% 9.4	0.28% 5.3	0.28% 4.7	0.28% 4.7	0.28% 4.2	0.28% 5.5
Service	Active war service						
Army	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	3.76% 83.6	5.93% 79.2	6.48% 71.3	4.45% 55.8	4.93% 56.3	2.42% 35.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.44% 9.7	1.26% 16.8	2.31% 25.4	3.23% 40.5	3.52% 40.3	4.16% 60.5
Navy	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.30% 6.6	0.30% 4.0	0.30% 3.3	0.30% 3.7	0.30% 3.4	0.30% 4.3
,	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	1.69% 100.0	4.34% 100.0	2.46% 77.0	2.90% 73.4	3.59% 76.1	4.39% 100.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.00% 0.0	0.00% 0.0	0.73% 23.0	1.05% 26.6	1.13% 23.9	0.00% 0.0
Air Force	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.0% 0.0	0.0% 0.0	0.0% 0.0	0.0% 0.0	0.0% 0.0	0.0% 0.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	0.54% 70.1	0.98% 81.1	1.37% 76.3	1.21% 60.2	1.71% 68.0	1.80% 88.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.00% 0.0	0.00% 0.0	0.20% 10.9	0.57% 28.4	0.57% 22.8	0.00% 0.0
Marine Corps	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.23% 29.9	0.23% 18.9	0.23% 12.8	0.23% 11.4	0.23% 9.1	0.23% 11.3
Wallie Colps	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.46% 81.8	4.67% 80.8	3.53% 66.5	5.72% 94.1	4.48% 69.8	3.96% 91.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.19% 6.3	0.75% 13.0	1.42% 26.8	0.00% 0.0	1.58% 24.6	0.00% 0.0
Sex	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.36% 11.9	0.36% 6.2	0.36% 6.7	0.36% 5.9	0.36% 5.6	0.36% 8.3
Male	Active war service						
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.57% 84.9	4.62% 84.4	4.69% 76.6	4.20% 69.7	4.48% 66.5	2.67% 52.6
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.25% 8.3	0.65% 11.8	1.22% 20.0	1.62% 26.9	2.05% 30.5	2.20% 43.4
Female	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.21% 6.8	0.21% 3.8	0.21% 3.4	0.21% 3.4	0.21% 3.1	0.21% 4.1
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.25% 75.5	2.21% 58.3	2.88% 55.9	2.49% 44.5	3.37% 50.7	4.93% 87.1
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.00% 0.0	0.85% 22.4	1.54% 29.9	2.38% 42.5	2.55% 38.3	0.00% 0.0
Age group	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.73% 24.5	0.73% 19.3	0.73% 14.2	0.73% 13.0	0.73% 11.0	0.73% 12.9
<25 years	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.87% 81.0	5.53% 83.7	5.35% 77.3	4.72% 72.5	4.89% 72.3	4.33% 92.4
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.32% 9.0	0.72% 10.9	1.21% 17.5	1.43% 22.0	1.51% 22.4	0.00% 0.0
	Background Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.36% 10.1	0.36% 5.4	0.36% 5.2	0.36% 5.5	0.36% 5.3	0.36% 7.6

25 35 voore	Determinants of the likelihood of diagnosis Active war service	2003–2005	2005–2007	2007–2009	2009–2011	2011–2012	2012–2013
25–35 years	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.36% 83.6	3.85% 80.6	4.09% 74.4	3.62% 64.3	4.32% 65.5	2.35% 46.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.24% 8.5	0.70% 14.7	1.19% 21.6	1.79% 31.8	2.06% 31.2	2.44% 48.7
>35 years	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.22% 7.8	0.22% 4.6	0.22% 4.0	0.22% 3.9	0.22% 3.3	0.22% 4.4
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.13% 100.0	2.97% 76.6	3.47% 65.1	3.39% 57.2	3.18% 45.3	6.37% 100.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.00% 0.0	0.90% 23.4	1.86% 34.9	2.54% 42.8	3.84% 54.7	0.00% 0.0
Race/ethnicity	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.00% 0.0	0.00% 0.0	0.00% 0.0	0.00% 0.0	0.00% 0.0	0.00% 0.0
	Active war service						
, ,	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.55% 80.7	4.53% 81.5	4.60% 74.1	4.27% 70.3	4.50% 68.0	2.47% 50.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.31% 9.8	0.73% 13.1	1.31% 21.1	1.50% 24.7	1.82% 27.5	2.15% 43.7
Black, non-Hispanic	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.30% 9.5	0.30% 5.4	0.30% 4.8	0.30% 4.9	0.30% 4.5	0.30% 6.1
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.1% 82.5	3.1% 77.8	3.6% 68.0	3.2% 55.6	3.4% 50.7	2.2% 38.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.2% 6.8	0.6% 15.6	1.4% 26.9	2.3% 39.8	3.1% 45.3	3.3% 57.1
Hispanic	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.269% 10.8	0.269% 6.6	0.269% 5.1	0.269% 4.6	0.269% 4.0	0.269% 4.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.7% 81.8	6.1% 96.5	5.1% 77.2	4.1% 60.4	5.4% 68.1	5.7% 96.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.4% 11.6	0.0% 0.0	1.3% 19.4	2.4% 36.3	2.3% 29.1	0.0% 0.0
Other/unspecified	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.221% 6.7	0.221% 3.5	0.221% 3.3	0.221% 3.3	0.221% 2.8	0.221% 3.8
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	2.8%	3.6% 80.8	3.9% 76.7	3.2% 68.0	3.9% 65.3	4.7% 100.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.0%	0.0%	1.2% 23.3	1.5% 32.0	2.1% 34.7	0.0%
Military occupation	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.000%	0.000% 0.0	0.000%	0.000% 0.0	0.000% 0.0	0.000%
Combat-specific	Active war service Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	3.26% 81.8	6.22% 85.4	5.81% 74.6	5.21% 69.6	4.97% 62.6	5.21% 95.9
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.51% 12.7	0.84% 11.5	1.76% 22.6	2.06% 27.5	2.75% 34.6	0.00% 0.0
Health care Other/unspecified	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.22% 5.5	0.22% 3.0	0.22% 2.8	0.22% 2.9	0.22% 2.8	0.22% 4.1
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	5.34% 92.4	6.95% 83.4	7.22% 81.5	6.06% 75.7	6.82% 71.6	7.33% 94.3
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.00% 0.0	0.94% 11.3	1.20% 13.5	1.51% 18.8	2.26% 23.7	0.00% 0.0
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Active war service	0.44% 7.6	0.44% 5.3	0.44% 5.0	0.44% 5.5	0.44% 4.6	0.44% 5.7
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Enhanced ascertainment	1.87% 79.3	3.23% 77.7	3.41% 69.5	3.18% 61.3	3.60% 60.9	2.00% 42.2
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses Background	0.21% 8.7	0.64% 15.5	1.22% 24.8	1.73% 33.3	2.03% 34.3	2.46% 51.8
	Attributable incidence, % of returnees Attributable fraction, % of diagnoses	0.28% 12.0	0.28% 6.8	0.28% 5.8	0.28% 5.5	0.28% 4.8	0.28% 6.0