

# Online Appendix

## The Effects of Vietnam-Era Military Service on the Long-Term Health of Veterans: A Bounds Analysis \*

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### Contents

<b>A</b>	<b>Additional Results</b>	<b>1</b>
<b>B</b>	<b>Subpopulation Proportions</b>	<b>19</b>
<b>C</b>	<b>Multiple Testing Procedure</b>	<b>23</b>
<b>D</b>	<b>Numerical Values for the Figures in the Main Text</b>	<b>31</b>
<b>E</b>	<b>Implications of a Roy Model for Assumption A6</b>	<b>37</b>
E.1	Set-up . . . . .	37
E.2	Implication of Roy Model for Assumption A6 . . . . .	38
E.3	Implications of Adding the Medical and Physical Screening Examinations to the Roy Model . . . . .	38
E.4	Conclusion . . . . .	40
<b>F</b>	<b>Principal Stratification with Endogenous Decision to Take the Medical and Physical Screening Examinations</b>	<b>41</b>
F.1	Notation, Additional Assumptions, and Principal Stratification . . . . .	41
F.2	Relating the Proportions of $ntNN$ , $ntNS$ , and $ntSS$ to Other Stratum Proportions and Probabilities . . . . .	42
F.3	Quantifying the Stratum Proportions of Interest: $\pi_{ntNN}$ , $\pi_{ntNS}$ , $\pi_{ntSS}$ . . . . .	43

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## A Additional Results

Table A.1: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 1974-1981)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
Sample size	9257	19824		1139	2883	
<i>General Health Outcomes</i>						
Activity Limitation	0.1399 [0.0030]	0.1435 [0.0021]	-0.0036 [0.0037]	0.1380 [0.0089]	0.1452 [0.0058]	-0.0072 [0.0106]
Activity Unable	0.0363 [0.0013]	0.0352 [0.0008]	0.0010 [0.0015]	0.0358 [0.0049]	0.0360 [0.0032]	-0.0002 [0.0058]
Fair/Poor Health	0.0344 [0.0012]	0.0337 [0.0008]	0.0007 [0.0014]	0.0393 [0.0052]	0.0330 [0.0028]	0.0063 [0.0059]
<i>Risky Health Behavior</i>						
Sample size	1678	3543		178	485	
Current Smoker	0.4369 [0.0126]	0.3059 [0.0085]	0.1310*** [0.0150]	0.4516 [0.0345]	0.3074 [0.0220]	0.1442*** [0.0407]
<i>Activity-Limiting Chronic Conditions</i>						
Circulatory	0.0205 [0.0006]	0.0215 [0.0004]	-0.0010 [0.0007]	0.0197 [0.0020]	0.0214 [0.0014]	-0.0017 [0.0024]
Diabetes	0.0070 [0.0003]	0.0079 [0.0003]	-0.0009* [0.0005]	0.0075 [0.0010]	0.0076 [0.0006]	-0.0001 [0.0012]
Digestive	0.0116 [0.0006]	0.0129 [0.0005]	-0.0014 [0.0008]	0.0102 [0.0020]	0.0130 [0.0015]	-0.0028 [0.0024]
Endocrine, Nutritional, Metabolicand, Blood Disorders	0.0104 [0.0005]	0.0114 [0.0004]	-0.0010 [0.0006]	0.0115 [0.0017]	0.0109 [0.0009]	0.0007 [0.0019]
Eye and ear	0.0016 [0.0000]	0.0018 [0.0001]	-0.0003*** [0.0001]	0.0012 [0.0001]	0.0020 [0.0005]	-0.0008 [0.0005]
Heart	0.0213 [0.0004]	0.0214 [0.0003]	-0.0001 [0.0005]	0.0211 [0.0014]	0.0215 [0.0009]	-0.0003 [0.0017]
Infective and parasitic diseases	0.0011 [0.0003]	0.0011 [0.0002]	0.0000 [0.0003]	0.0016 [0.0010]	0.0010 [0.0006]	0.0006 [0.0011]
Injuries	0.0031 [0.0005]	0.0026 [0.0003]	0.0005 [0.0005]	0.0031 [0.0011]	0.0026 [0.0004]	0.0005 [0.0011]
Mental	0.0071 [0.0008]	0.0060 [0.0004]	0.0011 [0.0009]	0.0068 [0.0029]	0.0062 [0.0016]	0.0006 [0.0033]
Musculoskeletal	0.0340 [0.0011]	0.0337 [0.0007]	0.0003 [0.0013]	0.0352 [0.0024]	0.0332 [0.0017]	0.0020 [0.0029]
Neoplasms	0.0047 [0.0004]	0.0043 [0.0002]	0.0004 [0.0005]	0.0049 [0.0011]	0.0043 [0.0004]	0.0006 [0.0012]
Other	0.0200 [0.0011]	0.0227 [0.0008]	-0.0027** [0.0013]	0.0224 [0.0029]	0.0216 [0.0018]	0.0007 [0.0034]
Respiratory	0.0145 [0.0009]	0.0173 [0.0007]	-0.0028** [0.0012]	0.0220 [0.0030]	0.0143 [0.0011]	0.0077** [0.0032]
Skin	0.0039 [0.0005]	0.0044 [0.0004]	-0.0005 [0.0006]	0.0030 [0.0004]	0.0047 [0.0010]	-0.0017 [0.0011]
Certain symptoms and ill-defined conditions	0.0047 [0.0004]	0.0046 [0.0002]	0.0001 [0.0005]	0.0074 [0.0023]	0.0035 [0.0010]	0.0038 [0.0025]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.2: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 1982-1996)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
Sample size	14993	32370		2263	6925	
<i>General Health Outcomes</i>						
Activity Limitation	0.1297 [0.0029]	0.1186 [0.0019]	0.0111*** [0.0036]	0.1466 [0.0087]	0.1097 [0.0044]	0.0368*** [0.0098]
Activity Unable	0.0398 [0.0017]	0.0351 [0.0011]	0.0046** [0.0021]	0.0441 [0.0064]	0.0271 [0.0033]	0.0169** [0.0072]
Fair/Poor Health	0.0880 [0.0022]	0.0838 [0.0015]	0.0042 [0.0026]	0.0779 [0.0073]	0.0787 [0.0043]	-0.0007 [0.0085]
<i>Risky Health Behavior</i>						
Sample size	563	1187		73	206	
Current Smoker	0.4062 [0.0212]	0.3062 [0.0139]	0.1000*** [0.0253]	0.4057 [0.0535]	0.3043 [0.0299]	0.1014 [0.0617]
<i>Activity-limiting Chronic Conditions</i>						
Circulatory	0.0072 [0.0007]	0.0077 [0.0005]	-0.0005 [0.0008]	0.0089 [0.0022]	0.0064 [0.0010]	0.0025 [0.0023]
Diabetes	0.0027 [0.0005]	0.0036 [0.0003]	-0.0009 [0.0006]	-0.0007 [0.0009]	0.0042 [0.0011]	-0.0049 [0.0014]
Digestive	0.0140 [0.0010]	0.0111 [0.0006]	0.0029** [0.0012]	0.0117 [0.0026]	0.0102 [0.0014]	0.0015 [0.0029]
Endocrine, Nutritional, Metabolic and, Blood Disorders	0.0106 [0.0008]	0.0121 [0.0005]	-0.0015 [0.0010]	0.0073 [0.0021]	0.0118 [0.0015]	-0.0045 [0.0026]
Eye and ear	0.0132 [0.0010]	0.0124 [0.0007]	0.0008 [0.0013]	0.0146 [0.0034]	0.0134 [0.0017]	0.0012 [0.0038]
Heart	0.0143 [0.0010]	0.0147 [0.0007]	-0.0004 [0.0012]	0.0184 [0.0037]	0.0107 [0.0018]	0.0077 [0.0041]
Infective and parasitic diseases	0.0038 [0.0004]	0.0035 [0.0003]	0.0004 [0.0005]	0.0058 [0.0015]	0.0025 [0.0006]	0.0033** [0.0016]
Injuries	0.0103 [0.0009]	0.0076 [0.0005]	0.0027 [0.0011]	0.0091 [0.0020]	0.0065 [0.0011]	0.0027 [0.0023]
Mental	0.0299 [0.0014]	0.0281 [0.0009]	0.0019 [0.0017]	0.0347 [0.0048]	0.0250 [0.0023]	0.0096* [0.0053]
Musculoskeletal	0.0823 [0.0025]	0.0658 [0.0015]	0.0165*** [0.0029]	0.0971 [0.0072]	0.0615 [0.0033]	0.0356*** [0.0079]
Neoplasms	0.0052 [0.0005]	0.0046 [0.0003]	0.0006 [0.0006]	0.0053 [0.0014]	0.0041 [0.0007]	0.0012 [0.0016]
Other	0.0021 [0.0004]	0.0019 [0.0003]	0.0002 [0.0005]	0.0031 [0.0015]	0.0017 [0.0007]	0.0014 [0.0017]
Respiratory	0.0265 [0.0013]	0.0249 [0.0009]	0.0016 [0.0015]	0.0310 [0.0036]	0.0221 [0.0017]	0.0089** [0.0039]
Skin	0.0073 [0.0007]	0.0072 [0.0005]	0.0001 [0.0008]	0.0116 [0.0025]	0.0059 [0.0010]	0.0057** [0.0027]
Certain symptoms and ill-defined conditions	0.0128 [0.0009]	0.0111 [0.0006]	0.0017 [0.0010]	0.0107 [0.0027]	0.0108 [0.0017]	-0.0001 [0.0031]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.3: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 1997-2005; Part I)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
Sample size	5472	14235		999	3380	
<i>General Health Outcomes</i>						
Activity Limitation	0.1535 [0.0053]	0.1100 [0.0028]	0.0436*** [0.0060]	0.1584 [0.0124]	0.1070 [0.0058]	0.0514*** [0.0136]
Fair/Poor Health	0.1041 [0.0046]	0.0874 [0.0026]	0.0167** [0.0054]	0.1116 [0.0125]	0.0896 [0.0065]	0.0220 [0.0142]
Work Limit	0.1362 [0.0048]	0.1002 [0.0026]	0.0360*** [0.0054]	0.1459*** [0.0119]	0.0949 [0.0055]	0.0510*** [0.0132]
Work Unable	0.0807 [0.0038]	0.0613 [0.0021]	0.0194*** [0.0043]	0.0907 [0.0103]	0.0560 [0.0046]	0.0347*** [0.0113]
<i>Risky Health Behavior</i>						
Sample size	2555	6131		500	1508	
Current Smoker	0.2759 [0.0102]	0.1822 [0.0059]	0.0938*** [0.0118]	0.2538 [0.0216]	0.1791 [0.0116]	0.0747*** [0.0248]
Current Drinker	0.6249 [0.0095]	0.5915 [0.0061]	0.0333*** [0.0114]	0.6446 [0.0214]	0.5669 [0.0123]	0.0777*** [0.0251]
<i>Activity-Limiting Chronic Conditions</i>						
Sample size	5460	14220		997	3368	
Alcohol/drug	0.0004 [0.0004]	0.0001 [0.0002]	0.0003 [0.0004]	0.0003 [0.0010]	0.0001 [0.0005]	0.0002 [0.0011]
Arthritis	0.0309 [0.0024]	0.0212 [0.0011]	0.0097*** [0.0026]	0.0385 [0.0064]	0.0191 [0.0025]	0.0194*** [0.0068]
Back/neck conditions	0.0397 [0.0034]	0.0142 [0.0016]	0.0254*** [0.0038]	0.0478 [0.0078]	0.0115 [0.0027]	0.0363*** [0.0083]
Cancer	0.0056 [0.0010]	0.0043 [0.0005]	0.0013 [0.0011]	0.0059 [0.0024]	0.0045 [0.0011]	0.0015 [0.0027]
Circulatory	0.0024 [0.0009]	0.0026 [0.0005]	-0.0002 [0.0010]	0.0051 [0.0034]	0.0024 [0.0012]	0.0028 [0.0036]
Depression	0.0201 [0.0023]	0.0066 [0.0010]	0.0136*** [0.0025]	0.0312 [0.0059]	0.0021 [0.0017]	0.0291*** [0.0062]
Diabetes	0.0076 [0.0015]	0.0111 [0.0010]	-0.0035** [0.0018]	0.0281 [0.0062]	0.0064 [0.0024]	0.0217*** [0.0066]
Digestive	0.0030 [0.0009]	0.0021 [0.0005]	0.0009 [0.0010]	0.0002 [0.0019]	0.0029 [0.0014]	-0.0027 [0.0024]
Fracture	0.0178 [0.0023]	0.0076 [0.0011]	0.0102*** [0.0025]	0.0212 [0.0053]	0.0068 [0.0020]	0.0144*** [0.0057]
Development	0.0011 [0.0004]	0.0017 [0.0004]	-0.0006 [0.0006]	0.0001 [0.0004]	0.0013 [0.0006]	-0.0013 [0.0008]
Heart	0.0185 [0.0020]	0.0157 [0.0011]	0.0028 [0.0023]	0.0274 [0.0054]	0.0110 [0.0021]	0.0164*** [0.0058]
Hypertension	0.0124 [0.0016]	0.0111 [0.0009]	0.0013** [0.0018]	0.0225 [0.0063]	0.0072 [0.0025]	0.0153** [0.0068]
Lung	0.0118 [0.0016]	0.0097 [0.0009]	0.0022 [0.0018]	0.0147 [0.0039]	0.0080 [0.0016]	0.0067 [0.0042]
Mental	0.0003 [0.0003]	0.0026 [0.0005]	-0.0023*** [0.0006]	-0.0025 [0.0006]	0.0031 [0.0012]	-0.0057*** [0.0014]
Missing limb/finger	0.0014 [0.0006]	0.0004 [0.0003]	0.0009 [0.0007]	0.0023 [0.0018]	0.0002 [0.0007]	0.0021 [0.0019]
Skin	0.0009 [0.0004]	-0.0001 [0.0000]	0.0009** [0.0004]	0.0000 [0.0001]	0.0003 [0.0003]	-0.0004 [0.0003]
Weight	0.0042 [0.0010]	0.0022 [0.0005]	0.0020** [0.0011]	0.0035 [0.0023]	0.0031 [0.0011]	0.0004 [0.0026]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.4: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 1997-2005; Part II)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
Sample size	2562	6161		503	1525	
<i>Other Chronic Conditions</i>						
Angina pectoris	0.0347 [0.0040]	0.0264 [0.0022]	0.0083* [0.0046]	0.0267 [0.0069]	0.0267 [0.0038]	0.0000 [0.0079]
Asthma attack	0.0383 [0.0033]	0.0353 [0.0018]	0.0030 [0.0037]	0.0451 [0.0089]	0.0364 [0.0038]	0.0088 [0.0098]
Asthma	0.0920 [0.0059]	0.1031 [0.0037]	-0.0111 [0.0070]	0.1183 [0.0070]	0.0926 [0.0069]	0.0257* [0.0145]
Chronic bronchitis	0.0527 [0.0043]	0.0449 [0.0023]	0.0078 [0.0049]	0.0552 [0.0107]	0.0420 [0.0035]	0.0132 [0.0114]
Cancer	0.0754 [0.0051]	0.0704 [0.0031]	0.0050 [0.0060]	0.0819 [0.0079]	0.0665 [0.0033]	0.0154* [0.0085]
Diabetes	0.0694 [0.0062]	0.0663 [0.0035]	0.0031 [0.0071]	0.0996 [0.0166]	0.0609 [0.0083]	0.0387** [0.0187]
Emphysema	0.0235 [0.0034]	0.0121 [0.0013]	0.0115*** [0.0037]	0.0151 [0.0040]	0.0149 [0.0024]	0.0002 [0.0046]
Feelings interfere with life	0.0160 [0.0040]	0.0036 [0.0022]	0.0124** [0.0046]	0.0240 [0.0118]	0.0040 [0.0042]	0.0200 [0.0125]
Have trouble hearing	0.0442 [0.0049]	0.0315 [0.0027]	0.0127** [0.0056]	0.0299 [0.0046]	0.0318 [0.0028]	-0.0019 [0.0054]
Have trouble seeing	0.0881 [0.0062]	0.0993 [0.0042]	-0.0113 [0.0075]	0.0927 [0.0157]	0.0896 [0.0075]	0.0032 [0.0176]
Heart attack	0.0439 [0.0048]	0.0302 [0.0026]	0.0137*** [0.0054]	0.0517 [0.0109]	0.0284 [0.0041]	0.0233** [0.0116]
Heart conditions	0.0810 [0.0057]	0.0724 [0.0032]	0.0086 [0.0066]	0.0960 [0.0135]	0.0652 [0.0052]	0.0308** [0.0146]
Hypertension	0.2710 [0.0101]	0.2461 [0.0062]	0.0250** [0.0120]	0.2951 [0.0215]	0.2155 [0.0116]	0.0796*** [0.0245]
Joint pain in the past 30 days	0.3620 [0.0108]	0.3064 [0.0065]	0.0556** [0.0127]	0.3635 [0.0215]	0.3033 [0.0113]	0.0602** [0.0241]
Kidney conditions in the past 12 months	0.0148 [0.0026]	0.0179 [0.0017]	-0.0031 [0.0030]	0.0043 [0.0045]	0.0185 [0.0036]	-0.0142*** [0.0057]
Liver conditions in the past 12 months	0.0173 [0.0035]	0.0078 [0.0019]	0.0095** [0.0040]	0.0067 [0.0068]	0.0080 [0.0043]	-0.0013 [0.0079]
Low back pain in the past 3 months	0.3163 [0.0100]	0.2715 [0.0062]	0.0448*** [0.0118]	0.3222 [0.0197]	0.2530 [0.0104]	0.0692*** [0.0223]
Neck pain in the past 3 months	0.1767 [0.0086]	0.1408 [0.0048]	0.0359*** [0.0100]	0.2005 [0.0177]	0.1334 [0.0082]	0.0671*** [0.0195]
Severe headache/migraine in the past 3 months	0.1607 [0.0066]	0.1562 [0.0043]	0.0046 [0.0079]	0.1528 [0.0150]	0.1558 [0.0077]	-0.0030 [0.0169]
Sinusitis	0.1636 [0.0074]	0.1555 [0.0046]	0.0081 [0.0087]	0.2050 [0.0196]	0.1387 [0.0075]	0.0663*** [0.0211]
Stroke	0.0242 [0.0024]	0.0257 [0.0017]	-0.0016 [0.0030]	0.0250 [0.0064]	0.0186 [0.0031]	0.0065 [0.0070]
Teeth	0.1016 [0.0058]	0.0882 [0.0032]	0.0133** [0.0067]	0.0948 [0.0126]	0.0945 [0.0066]	0.0003 [0.0142]
Ulcer	0.0907 [0.0061]	0.0777 [0.0038]	0.0130* [0.0072]	0.1136 [0.0150]	0.0692 [0.0059]	0.0445*** [0.0161]
Worse health than 12 months ago	0.0965 [0.0064]	0.0807 [0.0037]	0.0158** [0.0074]	0.1013 [0.0133]	0.0851 [0.0074]	0.0162 [0.0152]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.5: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 2006-2013; Part I)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
<i>General Health Outcomes</i>						
Sample size	3875	9539		819	2596	
Activity Limitation	0.1555 [0.0075]	0.1147 [0.0044]	0.0407*** [0.0087]	0.2002 [0.0163]	0.1056 [0.0084]	0.0947*** [0.0185]
Fair/Poor Health	0.1173 [0.0071]	0.0891 [0.0040]	0.0282*** [0.0081]	0.1264 [0.0161]	0.0879 [0.0083]	0.0385** [0.0181]
Work Limit	0.1397 [0.0071]	0.1032 [0.0041]	0.0365*** [0.0083]	0.1731 [0.0157]	0.0960 [0.0077]	0.0771*** [0.0177]
Work Unable	0.0865 [0.0060]	0.0696 [0.0035]	0.0169** [0.0069]	0.1009 [0.0138]	0.0625 [0.0073]	0.0384** [0.0158]
<i>Risky Health Behavior</i>						
Sample size	1841	4161		420	1176	
Current Smoker	0.2191 [0.0107]	0.1514 [0.0063]	0.0677*** [0.0124]	0.2495 [0.0219]	0.1435 [0.0122]	0.1060*** [0.0252]
Current Drinker	0.6116 [0.0123]	0.6261 [0.0081]	-0.0145 [0.0148]	0.6829 [0.0219]	0.5917 [0.0151]	0.0912*** [0.0264]
<i>Activity-Limiting Chronic Conditions</i>						
Sample size	3863	9524		813	2588	
Arthritis	0.0266 [0.0036]	0.0219 [0.0020]	0.0046 [0.0041]	0.0348 [0.0089]	0.0223 [0.0041]	0.0125 [0.0098]
Back/neck conditions	0.0430 [0.0048]	0.0166 [0.0025]	0.0263*** [0.0054]	0.0596 [0.0102]	0.0170 [0.0051]	0.0427*** [0.0115]
Cancer	0.0101 [0.0024]	0.0035 [0.0011]	0.0066** [0.0027]	0.0073 [0.0043]	0.0029 [0.0018]	0.0044 [0.0046]
Circulatory	0.0044 [0.0016]	0.0031 [0.0009]	0.0013 [0.0018]	0.0059 [0.0034]	0.0020 [0.0014]	0.0040 [0.0037]
Depression	0.0301 [0.0037]	0.0073 [0.0015]	0.0229*** [0.0040]	0.0451 [0.0086]	0.0040 [0.0028]	0.0412*** [0.0090]
Diabetes	0.0123 [0.0031]	0.0092 [0.0017]	0.0031 [0.0035]	0.0217 [0.0077]	0.0103 [0.0038]	0.0114 [0.0085]
Digestive	0.0030 [0.0013]	0.0022 [0.0009]	0.0008 [0.0016]	0.0042 [0.0037]	0.0020 [0.0015]	0.0022 [0.0039]
Fracture	0.0178 [0.0023]	0.0076 [0.0011]	0.0102*** [0.0025]	0.0212 [0.0053]	0.0068 [0.0020]	0.0144*** [0.0057]
Development	0.0011 [0.0004]	0.0017 [0.0004]	-0.0006 [0.0006]	0.0001 [0.0004]	0.0013 [0.0006]	-0.0013 [0.0008]
Heart	0.0893 [0.0084]	0.0696 [0.0050]	0.0198 [0.0098]	0.0786 [0.0136]	0.0614 [0.0070]	0.0172 [0.0154]
Hypertension	0.0124 [0.0016]	0.0111 [0.0009]	0.0013 [0.0018]	0.0225 [0.0063]	0.0072 [0.0025]	0.0153** [0.0068]
Lung	0.0143 [0.0029]	0.0096 [0.0016]	0.0048 [0.0033]	0.0163 [0.0049]	0.0080 [0.0021]	0.0083 [0.0053]
Mental	0.0009 [0.0006]	0.0036 [0.0007]	-0.0027*** [0.0009]	0.0019 [0.0010]	0.0023 [0.0009]	-0.0004 [0.0013]
Missing limb/finger	0.0003 [0.0010]	0.0017 [0.0008]	-0.0014 [0.0013]	0.0040 [0.0037]	0.0015 [0.0016]	0.0024 [0.0040]
Skin	0.0001 [0.0000]	0.0001 [0.0000]	0.0000 [0.0000]	-0.0003 [0.0001]	0.0000 [0.0003]	-0.0004 [0.0003]
Weight	0.0047 [0.0016]	0.0032 [0.0009]	0.0015 [0.0018]	0.0111 [0.0052]	0.0028 [0.0011]	0.0083 [0.0054]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.6: Summary Statistics of the 1948-1952 Born White and Nonwhite Males (NHIS 2006-2013; Part II)

Variable	Whites			Nonwhites		
	Veterans	Nonveterans	Difference	Veterans	Nonveterans	Difference
<i>Other Chronic Conditions</i>						
Sample size	1851	4172		421	1182	
Angina pectoris	0.0286 [0.0058]	0.0183 [0.0032]	0.0102 [0.0067]	0.0249 [0.0063]	0.0263 [0.0057]	-0.0014 [0.0084]
Asthma attack	0.0324 [0.0035]	0.0419 [0.0030]	-0.0095** [0.0046]	0.0362 [0.0068]	0.0326 [0.0034]	0.0037 [0.0077]
Asthma	0.1130 [0.0072]	0.1263 [0.0054]	-0.0133 [0.0091]	0.1177 [0.0109]	0.1102 [0.0081]	0.0074 [0.0139]
Chronic bronchitis	0.0441 [0.0052]	0.0388 [0.0033]	0.0054 [0.0061]	0.0609 [0.0111]	0.0317 [0.0037]	0.0293** [0.0118]
Cancer	0.0987 [0.0088]	0.0792 [0.0052]	0.0196* [0.0102]	0.1190 [0.0162]	0.0767 [0.0074]	0.0422** [0.0177]
Diabetes	0.1268 [0.0109]	0.0886 [0.0063]	0.0382*** [0.0126]	0.1190 [0.0192]	0.0885 [0.0119]	0.0305 [0.0229]
Emphysema	0.0264 [0.0057]	0.0144 [0.0033]	0.0120** [0.0066]	0.0375 [0.0106]	0.0127 [0.0033]	0.0248** [0.0112]
Feelings interfere with life	0.0096 [0.0048]	0.0096 [0.0036]	0.0000 [0.0060]	0.0218 [0.0117]	0.0082 [0.0057]	0.0136 [0.0130]
Have trouble hearing	0.2311 [0.0129]	0.1346 [0.0077]	0.0965*** [0.0149]	0.2046 [0.0199]	0.1528 [0.0101]	0.0518** [0.0223]
Have trouble seeing	0.0979 [0.0078]	0.0963 [0.0055]	0.0017 [0.0097]	0.0721 [0.0157]	0.1051 [0.0105]	-0.0330* [0.0190]
Heart attack	0.0507 [0.0076]	0.0262 [0.0043]	0.0245*** [0.0087]	0.0616 [0.0127]	0.0278 [0.0074]	0.0338** [0.0148]
Heart conditions	0.0893 [0.0084]	0.0696 [0.0050]	0.0198** [0.0098]	0.0786 [0.0136]	0.0614 [0.0070]	0.0172 [0.0154]
Hypertension	0.3506 [0.0130]	0.3027 [0.0088]	0.0478*** [0.0158]	0.3353 [0.0216]	0.2844 [0.0146]	0.0509** [0.0260]
Joint pain in the past 30 days	0.3517 [0.0129]	0.3142 [0.0084]	0.0375** [0.0157]	0.3827 [0.0231]	0.2843 [0.0134]	0.0984*** [0.0267]
Kidneys in the past 12 months	0.0173 [0.0036]	0.0187 [0.0026]	-0.0015 [0.0045]	0.0127 [0.0070]	0.0165 [0.0065]	-0.0038 [0.0095]
Liver conditions in the past 12 months	0.0171 [0.0042]	0.0091 [0.0026]	0.0080 [0.0050]	0.0224 [0.0098]	0.0096 [0.0047]	0.0128 [0.0109]
Low back pain in the past 3 months	0.3142 [0.0127]	0.2703 [0.0080]	0.0440*** [0.0150]	0.3385 [0.0233]	0.2507 [0.0134]	0.0878*** [0.0269]
Neck pain in the past 3 months	0.1707 [0.0103]	0.1402 [0.0063]	0.0305** [0.0121]	0.1694 [0.0179]	0.1317 [0.0101]	0.0377* [0.0207]
Severe headache/migraine in the past 3 months	0.1544 [0.0076]	0.1458 [0.0051]	0.0086 [0.0091]	0.1778 [0.0150]	0.1274 [0.0073]	0.0504*** [0.0168]
Sinusitis	0.1311 [0.0085]	0.1246 [0.0056]	0.0064 [0.0103]	0.1530 [0.0151]	0.1012 [0.0080]	0.0518*** [0.0170]
Stroke	0.0412 [0.0062]	0.0236 [0.0032]	0.0176** [0.0070]	0.0209 [0.0071]	0.0260 [0.0059]	-0.0050 [0.0092]
Teeth	0.1082 [0.0091]	0.0794 [0.0054]	0.0287*** [0.0106]	0.0975 [0.0160]	0.0727 [0.0089]	0.0248 [0.0184]
Ulcer	0.0815 [0.0081]	0.0722 [0.0053]	0.0093 [0.0099]	0.0881 [0.0141]	0.0524 [0.0066]	0.0357** [0.0155]
Worse health than 12 months ago	0.0928 [0.0082]	0.0858 [0.0054]	0.0071 [0.0100]	0.1136 [0.0155]	0.0744 [0.0089]	0.0391** [0.0184]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.7: Intention-To-Treat Effect of Eligibility to Draft for 1948-1952 Born White and Nonwhite Males (NHIS 1974-1981, 1982-1996)

Variable	NHIS 1974-1981		NHIS 1982-1996	
	Whites	Nonwhites	Whites	Nonwhites
<i>General Health Outcomes</i>				
Sample size	29081	4022	47363	9188
Activity Limitation	0.0108*** [0.0034]	-0.0017 [0.0098]	0.0063** [0.0033]	0.0108 [0.0082]
Activity Unable	-0.0005 [0.0014]	-0.0015 [0.0053]	0.0013 [0.0019]	0.0083 [0.0059]
Work Limitation	-	-	0.0040 [0.0028]	0.0011 [0.0019]
Work Unable	-	-	0.0057 [0.0073]	0.0083 [0.0059]
Fair/Poor Health	-0.0011 [0.0013]	-0.0036 [0.0051]	-0.0020 [0.0024]	0.0060 [0.0076]
<i>Risky Health Behavior</i>				
Sample size	5221	663	1750	279
Current smokers	-0.0007 [0.0142]	0.0361 [0.0376]	-0.0036 [0.0237]	0.0248 [0.0539]
Circulatory	0.0014** [0.0007]	0.0002 [0.0023]	0.0007 [0.0008]	-0.0017 [0.0018]
Diabetes	0.0000 [0.0005]	-0.0004 [0.0010]	0.0007 [0.0006]	0.0007 [0.0017]
Digestive	0.0006 [0.0008]	-0.0030 [0.0023]	0.0020* [0.0011]	0.0019 [0.0025]
Endocrine, Nutritional Metabolicand, Blood Disorders	0.0004 [0.0006]	-0.0007 [0.0016]	0.0000 [0.0009]	0.0005 [0.0025]
Eye and ear	-0.0001 [0.0002]	0.0011 [0.0008]	0.0028** [0.0012]	-0.0021 [0.0031]
Heart	0.0004 [0.0005]	0.0008 [0.0016]	0.0013 [0.0011]	0.0018 [0.0033]
Infective and parasitic diseases	0.0002 [0.0003]	0.0007 [0.0010]	0.0005 [0.0005]	0.0017 [0.0011]
Injuries	-0.0008 [0.0005]	0.0001 [0.0008]	0.0017* [0.0009]	-0.0005 [0.0019]
Mental	-0.0001 [0.0008]	-0.0023 [0.0029]	0.0014 [0.0015]	0.0023 [0.0042]
Musculoskeletal	-0.0002 [0.0012]	0.0026 [0.0029]	0.0031 [0.0027]	0.0068 [0.0062]
Neoplasms	0.0000 [0.0004]	0.0017* [0.0009]	0.0002 [0.0006]	-0.0002 [0.0012]
Other	0.0009 [0.0013]	0.0023 [0.0030]	-0.0005 [0.0005]	-0.0007 [0.0013]
Respiratory	0.0008 [0.0011]	0.0044* [0.0024]	0.0021 [0.0014]	0.0018 [0.0032]
Skin and subcutaneous tissue	0.0005 [0.0006]	-0.0008 [0.0015]	-0.0003 [0.0008]	-0.0001 [0.0020]
Certain symptoms and ill-defined conditions	-0.0002 [0.0004]	0.0037** [0.0019]	0.0005 [0.0009]	-0.0010 [0.0029]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.8: Intention-To-Treat Effect of Eligibility to Draft for 1948-1952 Born White and Nonwhite Males (NHIS 1997-2005 and 2006-2013; Part I)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>General Health Outcomes</i>				
Sample size	19764	4391	13439	3418
Activity Limitation	-0.0103** [0.0051]	0.0013 [0.0112]	-0.0025 [0.0077]	-0.0053 [0.0156]
Fair/Poor Health	-0.0128** [0.0045]	0.0021 [0.0117]	0.0132* [0.0071]	-0.0227 [0.0149]
Work Limit	-0.0111** [0.0046]	0.0037 [0.0104]	-0.0016 [0.0072]	-0.0032 [0.0150]
Work Unable	-0.0110*** [0.0037]	-0.0027 [0.0087]	-0.0022 [0.0063]	-0.0110 [0.0132]
<i>Risky Health Behavior</i>				
Sample size	8686	2008	6002	1596
Current Smoker	-0.0088 [0.0105]	-0.0162 [0.0202]	-0.0066 [0.0112]	-0.0442** [0.0215]
Current Drinker	-0.0058 [0.0105]	0.0616*** [0.0217]	0.0004 [0.0138]	0.0245 [0.0254]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	19737	4377	13439	3418
Arthritis	-0.0035* [0.0021]	-0.0008 [0.0050]	-0.0008 [0.0036]	-0.0049 [0.0078]
Back/neck conditions	-0.0045 [0.0030]	-0.0028 [0.0057]	0.0034 [0.0047]	0.0025 [0.0097]
Cancer	-0.0001 [0.0010]	-0.0004 [0.0021]	-0.0044** [0.0020]	-0.0005 [0.0035]
Circulatory	-0.0007 [0.0009]	0.0023 [0.0025]	-0.0009 [0.0016]	0.0022 [0.0028]
Depression	-0.0038* [0.0020]	0.0038 [0.0040]	0.0032 [0.0030]	0.0019 [0.0061]
Diabetes	-0.0029* [0.0017]	-0.0099** [0.0045]	-0.0009 [0.0030]	-0.0079 [0.0068]
Digestive	0.0012 [0.0009]	-0.0003 [0.0024]	-0.0002 [0.0015]	0.0003 [0.0030]
Fracture	-0.0007 [0.0021]	0.0017 [0.0040]	-0.0002 [0.0030]	0.0033 [0.0057]
Development	0.0003 [0.0006]	0.0008 [0.0010]	0.0032 [0.0030]	0.0019 [0.0061]
Heart	-0.0019 [0.0020]	-0.0047 [0.0041]	-0.0010 [0.0036]	0.0043 [0.0070]
Hypertension	0.0010 [0.0016]	0.0012 [0.0050]	0.0185 [0.0148]	0.0029 [0.0072]
Lung	-0.0002 [0.0015]	-0.0023 [0.0031]	-0.0018 [0.0029]	-0.0010 [0.0041]
Mental	-0.0003 [0.0007]	-0.0027 [0.0018]	0.0003 [0.0011]	-0.0012 [0.0013]
Missing limb/finger	-0.0002 [0.0005]	0.0014 [0.0014]	-0.0005 [0.0013]	-0.0011 [0.0030]
Skin	-0.0004** [0.0002]	-0.0003 [0.0004]	0.0000 [0.0000]	0.0005 [0.0005]
Weight	0.0004 [0.0009]	-0.0014 [0.0020]	-0.0018 [0.0015]	0.0043 [0.0034]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.9: Intention-To-Treat Effect of Eligibility to Draft for 1948-1952 Born White and Nonwhite Males (NHIS 1997-2005 and 2006-2013; Part II)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Other Chronic Conditions</i>				
Sample size	8723	2028	6023	1603
Angina pectoris	0.0051 [0.0041]	-0.0004 [0.0068]	0.0145** [0.0060]	-0.0218** [0.0084]
Asthma attack	0.0023 [0.0032]	0.0010 [0.0075]	0.0089* [0.0048]	-0.0007 [0.0062]
Asthma	0.0033 [0.0063]	-0.0081 [0.0122]	0.0159* [0.0088]	0.0025 [0.0134]
Chronic bronchitis	0.0002 [0.0042]	0.0093 [0.0078]	0.0066 [0.0057]	0.0069 [0.0084]
Cancer	-0.0007 [0.0054]	-0.0083 [0.0059]	-0.0098 [0.0091]	-0.0236* [0.0132]
Diabetes	-0.0016 [0.0061]	0.0013 [0.0151]	0.0150 [0.0112]	-0.0079 [0.0068]
Emphysema	0.0005 [0.0028]	0.0069 [0.0043]	0.0060 [0.0058]	-0.0091 [0.0076]
Feelings interfere with life	-0.0031 [0.0040]	0.0024 [0.0087]	-0.0011 [0.0057]	-0.0067 [0.0108]
Have trouble hearing	-0.0172* [0.0102]	0.0126 [0.0141]	0.0170 [0.0135]	-0.0130 [0.0189]
Have trouble seeing	0.0018 [0.0070]	-0.0063 [0.0138]	0.0031 [0.0091]	-0.0234 [0.0183]
Heart attack	0.0028 [0.0046]	0.0033 [0.0084]	0.0103 [0.0077]	-0.0260** [0.0124]
Heart conditions	0.0062 [0.0058]	0.0275*** [0.0105]	0.0023 [0.0087]	-0.0125 [0.0125]
Hypertension	0.0034 [0.0106]	0.0021 [0.0211]	0.0185 [0.0148]	0.0047 [0.0257]
Joint pain in the past 30 days	-0.0108 [0.0113]	0.0113 [0.0205]	-0.0088 [0.0147]	-0.0727*** [0.0234]
Kidneys in the past 12 months	-0.0039 [0.0028]	0.0031 [0.0060]	0.0081* [0.0045]	-0.0005 [0.0104]
Liver conditions in the past 12 months	-0.0050 [0.0033]	-0.0053 [0.0071]	0.0045 [0.0047]	0.0009 [0.0089]
Low back pain in the past 3 months	-0.0099 [0.0108]	-0.0223 [0.0188]	-0.0007 [0.0136]	-0.0644*** [0.0237]
Neck pain in the past 3 months	-0.0199** [0.0086]	-0.0169 [0.0151]	-0.0096 [0.0107]	-0.0425** [0.0182]
Severe headache/migraine in the past 3 months	-0.0003 [0.0070]	-0.0114 [0.0139]	0.0062 [0.0084]	-0.0341*** [0.0127]
Sinusitis	0.0067 [0.0079]	0.0103 [0.0153]	0.0194** [0.0095]	-0.0060 [0.0142]
Stroke	0.0013 [0.0028]	0.0025 [0.0057]	0.0037 [0.0059]	0.0033 [0.0097]
Teeth	-0.0049 [0.0057]	-0.0038 [0.0117]	-0.0137 [0.0092]	-0.0229 [0.0157]
Ulcer	-0.0021 [0.0064]	-0.0140 [0.0115]	0.0182** [0.0088]	-0.0296** [0.0131]
Worse health than 12 months ago	0.0026 [0.0064]	-0.0254** [0.0125]	-0.0007 [0.0091]	-0.0305** [0.0152]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.10: Estimated Bounds on the Net Effect of Eligibility to Draft for 1948-1952 Born Never Takers (NHIS 1974-1981, 1982-1996)

Variable	NHIS 1974-1981		NHIS 1982-1996	
	Whites	Nonwhites	Whites	Nonwhites
<i>Risky Health Behavior</i>				
Sample size	5221	663	1750	279
Current smokers	(-0.1478, 0.1397) [-0.1860, 0.1822]	(-0.0847, 0.1653) [-0.1883, 0.2720]	(-0.1148, 0.1615) [-0.1786, 0.2345]	(0.0324, 0.1937) [-0.1056, 0.3486]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	29081	4022	47363	9188
Circulatory	(0.0004, 0.0061) [-0.0016, 0.0077]	(-0.0018, 0.0091) [-0.0074, 0.0132]	(-0.0009, 0.0078) [-0.0029, 0.0094]	(0.0010, 0.0261) [-0.0030, 0.0288]
Diabetes	(-0.0010, 0.0024) [-0.0022, 0.0033]	(-0.0012, 0.0016) [-0.0036, 0.0034]	(-0.0019, 0.0078) [-0.0029, 0.0084]	(-0.0017, 0.0073) [-0.0060, 0.0105]
Digestive	(-0.0017, 0.0067) [-0.0037, 0.0082]	(-0.0075, 0.0055) [-0.0131, 0.0086]	(-0.0015, 0.0131) [-0.0039, 0.0149]	(-0.0030, 0.0136) [-0.0083, 0.0173]
Endocrine, Nutritional Metabolicand, Blood Disorders	(-0.0020, 0.0086) [-0.0032, 0.0094]	(-0.0027, 0.0030) [-0.0063, 0.0056]	(-0.0034, 0.0105) [-0.0056, 0.0120]	(-0.0041, 0.0152) [-0.0098, 0.0195]
Eye and ear	(-0.0003, 0.0003) [-0.0008, 0.0006]	(0.0011, 0.0018) [-0.0013, 0.0042]	(-0.0008, 0.0185) [-0.0037, 0.0208]	(-0.0082, 0.0157) [-0.0147, 0.0196]
Heart	(-0.0013, 0.0024) [-0.0025, 0.0033]	(-0.0032, 0.0019) [-0.0068, 0.0046]	(-0.0033, 0.0153) [-0.0060, 0.0173]	(-0.0092, 0.0182) [-0.0160, 0.0230]
Infective and parasitic diseases	(-0.0004, 0.0006) [-0.0011, 0.0012]	(-0.0011, 0.0021) [-0.0034, 0.0038]	(-0.0011, 0.0028) [-0.0023, 0.0036]	(-0.0044, 0.0087) [-0.0087, 0.0114]
Injuries	(-0.0027, 0.0013) [-0.0038, 0.0020]	(-0.0013, 0.0007) [-0.0026, 0.0015]	(-0.0004, 0.0109) [-0.0026, 0.0126]	(-0.0044, 0.0087) [-0.0087, 0.0114]
Mental	(-0.0053, 0.0037) [-0.0070, 0.0048]	(-0.0124, 0.0073) [-0.0185, 0.0120]	(-0.0050, 0.0277) [-0.0086, 0.0303]	(-0.0079, 0.0331) [-0.0167, 0.0394]
Musculoskeletal	(-0.0091, 0.0117) [-0.0118, 0.0137]	(-0.0009, 0.0093) [-0.0083, 0.0163]	(-0.0160, 0.0772) [-0.0219, 0.0814]	(-0.0161, 0.0634) [-0.0284, 0.0718]
Neoplasms	(-0.0009, 0.0010) [-0.0017, 0.0016]	(0.0004, 0.0011) [-0.0013, 0.0029]	(-0.0016, 0.0033) [-0.0029, 0.0044]	(-0.0004, 0.0038) [-0.0032, 0.0061]
Other	(-0.0051, 0.0165) [-0.0082, 0.0188]	(-0.0103, 0.0115) [-0.0167, 0.0165]	(-0.0017, 0.0023) [-0.0028, 0.0030]	(-0.0020, 0.0028) [-0.0048, 0.0046]
Respiratory	(-0.0054, 0.0127) [-0.0082, 0.0149]	(-0.0021, 0.0045) [-0.0067, 0.0089]	(-0.0025, 0.0247) [-0.0059, 0.0272]	(-0.0043, 0.0211) [-0.0109, 0.0257]
Skin and subcutaneous tissue	(-0.0024, 0.0039) [-0.0040, 0.0051]	(-0.0037, 0.0021) [-0.0078, 0.0053]	(-0.0027, 0.0065) [-0.0045, 0.0078]	(-0.0038, 0.0057) [-0.0077, 0.0081]
Certain symptoms and ill-defined conditions	(-0.0016, 0.0016) [-0.0026, 0.0023]	(-0.0003, 0.0064) [-0.0042, 0.0100]	(-0.0027, 0.0106) [-0.0049, 0.0122]	(-0.0067, 0.0144) [-0.0132, 0.0190]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table A.11: Estimated Bounds on the Net Effect of Eligibility to Draft for 1948-1952 Born Never Takers (NHIS 1997-2005 and 2006-2013; Part I)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Risky Health Behavior</i>				
Sample size	8686	2008	6002	1596
Current Smoker	(-0.0970, 0.1503) [-0.1209, 0.1845]	(-0.0551, 0.0717) [-0.1029, 0.1289]	(-0.0619, 0.1630) [-0.0877, 0.1820]	(-0.0694, 0.0973) [-0.1191, 0.1623]
Current Drinker	(-0.1843, 0.0662) [-0.2187, 0.0922]	(-0.0355, 0.1038) [-0.0920, 0.1607]	(-0.1844, 0.0788) [-0.2284, 0.1144]	(-0.0684, 0.1063) [-0.1345, 0.1745]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	19737	4377	13439	3418
Arthritis	(-0.0087, 0.0173) [-0.0131, 0.0202]	(-0.0081, 0.0208) [-0.0180, 0.0281]	(-0.0147, 0.0372) [-0.0226, 0.0429]	(-0.0235, 0.0408) [-0.0398, 0.0525]
Back/neck conditions	(-0.0168, 0.0354) [-0.0229, 0.0396]	(-0.0122, 0.0289) [-0.0228, 0.0364]	(-0.0136, 0.0635) [-0.0238, 0.0709]	(-0.0174, 0.0653) [-0.0381, 0.0816]
Cancer	(-0.0031, 0.0036) [-0.0053, 0.0052]	(-0.0046, 0.0039) [-0.0092, 0.0071]	(-0.0081, 0.0099) [-0.0123, 0.0127]	(-0.0060, 0.0130) [-0.0133, 0.0182]
Circulatory	(-0.0025, 0.0039) [-0.0044, 0.0052]	(0.0006, 0.0074) [-0.0043, 0.0116]	(-0.0052, 0.0081) [-0.0088, 0.0106]	(-0.0049, 0.0079) [-0.0105, 0.0117]
Depression	(-0.0086, 0.0144) [-0.0127, 0.0173]	(-0.0064, 0.0131) [-0.0131, 0.0178]	(-0.0011, 0.0253) [-0.0074, 0.0303]	(-0.0049, 0.0248) [-0.0164, 0.0338]
Diabetes	(-0.0083, 0.0150) [-0.0123, 0.0178]	(-0.0136, 0.0174) [-0.0225, 0.0234]	(-0.0075, 0.0303) [-0.0142, 0.0356]	(-0.0212, 0.0386) [-0.0357, 0.0490]
Digestive	(-0.0006, 0.0053) [-0.0027, 0.0068]	(-0.0027, 0.0070) [-0.0085, 0.0118]	(-0.0019, 0.0094) [-0.0056, 0.0124]	(-0.0036, 0.0089) [-0.0100, 0.0143]
Fracture	(-0.0101, 0.0157) [-0.0143, 0.0186]	(-0.0124, 0.0121) [-0.0199, 0.0173]	(-0.0082, 0.0259) [-0.0146, 0.0306]	(0.0017, 0.0251) [-0.0117, 0.0369]
Development	(-0.0066, 0.0064) [-0.0076, 0.0072]	(-0.0004, 0.0025) [-0.0031, 0.0047]	(0.0007, 0.0032) [-0.0011, 0.0048]	(-0.0002, 0.0042) [-0.0044, 0.0077]
Heart	(-0.0066, 0.0189) [-0.0111, 0.0222]	(-0.0088, 0.0165) [-0.0168, 0.0224]	(-0.0118, 0.0386) [-0.0200, 0.0447]	(-0.0093, 0.0422) [-0.0246, 0.0530]
Hypertension	(-0.0039, 0.0130) [-0.0075, 0.0156]	(-0.0030, 0.0278) [-0.0131, 0.0357]	(-0.0040, 0.0297) [-0.0108, 0.0352]	(-0.0072, 0.0543) [-0.0233, 0.0664]
Lung	(-0.0045, 0.0122) [-0.0079, 0.0147]	(-0.0073, 0.0092) [-0.0134, 0.0135]	(-0.0051, 0.0254) [-0.0116, 0.0302]	(-0.0051, 0.0160) [-0.0137, 0.0226]
Mental	(-0.0012, 0.0035) [-0.0032, 0.0049]	(-0.0057, 0.0040) [-0.0100, 0.0065]	(-0.0001, 0.0059) [-0.0032, 0.0084]	(-0.0030, 0.0022) [-0.0064, 0.0042]
Missing limb/finger	(-0.0010, 0.0015) [-0.0021, 0.0023]	(0.0000, 0.0028) [-0.0028, 0.0052]	(-0.0032, 0.0053) [-0.0066, 0.0079]	(-0.0041, 0.0082) [-0.0105, 0.0126]
Skin	(-0.0006, 0.0001) [-0.0007, 0.0002]	(-0.0009, 0.0002) [-0.0020, 0.0003]	(-0.0002, 0.0000) [-0.0004, 0.0001]	(0.0000, 0.0008) [-0.0013, 0.0022]
Weight	(-0.0009, 0.0042) [-0.0028, 0.0056]	(-0.0041, 0.0041) [-0.0084, 0.0064]	(-0.0033, 0.0085) [-0.0068, 0.0112]	(-0.0052, 0.0040) [-0.0094, 0.0059]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table A.12: Estimated Bounds on the Net Effect of Eligibility to Draft for 1948-1952 Born Never Takers (NHIS 1997-2005 and 2006-2013; Part II)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Other Chronic Conditions</i>				
Sample size	8723	2028	6023	1603
Angina pectoris	(-0.0080, 0.0302) [-0.0172, 0.0371]	(-0.0095, 0.0267) [-0.0243, 0.0371]	(0.0014, 0.0561) [-0.0122, 0.0671]	(-0.0465, 0.0213) [-0.0672, 0.0296]
Asthma attack	(-0.0057, 0.0265) [-0.0130, 0.0318]	(-0.0068, 0.0267) [-0.0225, 0.0397]	(0.0018, 0.0407) [-0.0107, 0.0511]	(-0.0147, 0.0308) [-0.0286, 0.0412]
Asthma	(-0.0198, 0.0859) [-0.0342, 0.0959]	(-0.0267, 0.0689) [-0.0533, 0.0950]	(-0.0033, 0.1223) [-0.0253, 0.1388]	(-0.0287, 0.0849) [-0.0601, 0.1102]
Chronic bronchitis	(-0.0088, 0.0343) [-0.0182, 0.0408]	(-0.0073, 0.0283) [-0.0215, 0.0395]	(-0.0073, 0.0528) [-0.0209, 0.0627]	(-0.0147, 0.0268) [-0.0301, 0.0369]
Cancer	(-0.0218, 0.0512) [-0.0342, 0.0597]	(-0.0202, 0.0145) [-0.0321, 0.0214]	(-0.0429, 0.1059) [-0.0634, 0.1205]	(-0.0548, 0.0457) [-0.0826, 0.0641]
Diabetes	(-0.0329, 0.0701) [-0.0467, 0.0794]	(-0.0182, 0.0972) [-0.0513, 0.1431]	(-0.0253, 0.1657) [-0.0505, 0.1844]	(-0.0772, 0.0803) [-0.1293, 0.1438]
Emphysema	(-0.0101, 0.0121) [-0.0153, 0.0153]	(0.0052, 0.0207) [-0.0049, 0.0291]	(-0.0087, 0.0483) [-0.0226, 0.0598]	(-0.0197, 0.0156) [-0.0336, 0.0259]
Feelings interfere with life	(-0.0130, 0.0314) [-0.0218, 0.0374]	(-0.0199, 0.0320) [-0.0357, 0.0428]	(-0.0179, 0.0524) [-0.0321, 0.0627]	(-0.0309, 0.0295) [-0.0545, 0.0450]
Have trouble hearing	(-0.0875, 0.1611) [-0.1114, 0.1941]	(-0.0239, 0.0884) [-0.0534, 0.1322]	(-0.0942, 0.1718) [-0.1272, 0.2148]	(-0.0744, 0.0850) [-0.1168, 0.1408]
Have trouble seeing	(-0.0259, 0.1130) [-0.0425, 0.1246]	(-0.0421, 0.0722) [-0.0711, 0.1195]	(-0.0403, 0.1066) [-0.0626, 0.1222]	(-0.0444, 0.1095) [-0.0884, 0.1661]
Heart attack	(-0.0070, 0.0435) [-0.0173, 0.0513]	(-0.0183, 0.0330) [-0.0345, 0.0443]	(-0.0168, 0.0767) [-0.0342, 0.0897]	(-0.0661, 0.0346) [-0.0929, 0.0512]
Heart conditions	(-0.0147, 0.0720) [-0.0278, 0.0813]	(0.0142, 0.0629) [-0.0066, 0.0807]	(-0.0292, 0.1009) [-0.0498, 0.1155]	(-0.0093, 0.0422) [-0.0835, 0.0695]
Hypertension	(-0.0761, 0.1796) [-0.1016, 0.2130]	(-0.0501, 0.0813) [-0.1002, 0.1401]	(-0.1035, 0.1695) [-0.1439, 0.2123]	(-0.1078, 0.0723) [-0.1764, 0.1398]
Joint pain in the past 30 days	(-0.1177, 0.1321) [-0.1458, 0.1656]	(-0.0440, 0.0799) [-0.0921, 0.1378]	(-0.1481, 0.1269) [-0.1868, 0.1695]	(-0.1766, -0.0027) [-0.2331, 0.0634]
Kidneys conditions in the past 12 months	(-0.0105, 0.0151) [-0.0171, 0.0188]	(-0.0007, 0.0316) [-0.0149, 0.0421]	(0.0039, 0.0360) [-0.0077, 0.0460]	(-0.0209, 0.0508) [-0.0467, 0.0701]
Liver conditions in the past 12 months	(-0.0128, 0.0202) [-0.0200, 0.0246]	(-0.0196, 0.0311) [-0.0357, 0.0427]	(-0.0044, 0.0364) [-0.0158, 0.0452]	(-0.0129, 0.0353) [-0.0318, 0.0503]
Low back pain in the past 3 months	(-0.0894, 0.1607) [-0.1161, 0.1945]	(-0.0745, 0.0489) [-0.1178, 0.1059]	(-0.1033, 0.1635) [-0.1380, 0.2062]	(-0.1152, 0.0504) [-0.1733, 0.1162]
Neck pain in the past 3 months	(-0.0738, 0.1295) [-0.0931, 0.1420]	(-0.0510, 0.0626) [-0.0834, 0.1120]	(-0.0752, 0.1404) [-0.1005, 0.1570]	(-0.0844, 0.0713) [-0.1271, 0.1271]
Severe headache/migraine in the past 3 months	(-0.0281, 0.1110) [-0.0446, 0.1224]	(-0.0514, 0.0587) [-0.0818, 0.1028]	(-0.0226, 0.1033) [-0.0429, 0.1180]	(-0.0655, 0.0505) [-0.0933, 0.0703]
Sinusitis	(-0.0381, 0.1339) [-0.0564, 0.1466]	(-0.0232, 0.0899) [-0.0546, 0.1344]	(-0.0114, 0.1392) [-0.0342, 0.1559]	(-0.0592, 0.0774) [-0.0896, 0.1079]
Stroke	(-0.0005, 0.0217) [-0.0076, 0.0271]	(-0.0070, 0.0223) [-0.0192, 0.0317]	(0.0018, 0.0482) [-0.0120, 0.0599]	(-0.0229, 0.0500) [-0.0464, 0.0662]
Teeth	(-0.0275, 0.0608) [-0.0400, 0.0694]	(-0.0202, 0.0567) [-0.0465, 0.0786]	(-0.0621, 0.0881) [-0.0834, 0.1013]	(-0.0554, 0.0956) [-0.0906, 0.1354]
Ulcer	(-0.0283, 0.0865) [-0.0431, 0.0967]	(-0.0363, 0.0557) [-0.0588, 0.0783]	(0.0077, 0.1217) [-0.0139, 0.1382]	(-0.0548, 0.0596) [-0.0839, 0.0819]
Worse health than 12 months ago	(-0.0269, 0.0871) [-0.0415, 0.0970]	(-0.0536, 0.0566) [-0.0809, 0.0909]	(-0.0401, 0.1068) [-0.0622, 0.1216]	(-0.0783, 0.0715) [-0.1118, 0.1115]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table A.13: Estimated Local Effect of Military Service for the 1948-1952 Born Complier Veterans (NHIS 1974-1981, 1982-1996)

Variable	NHIS 1974-1981		NHIS 1982-1996	
	Whites	Nonwhites	Whites	Nonwhites
<i>Risky Health Behavior</i>				
Sample size	5221	663	1750	279
Current smokers	-0.0046 [0.0919]	0.2664 [0.3864]	-0.0246 [0.1714]	0.2934 [15.0031]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	29081	4022	47363	9188
Circulatory	0.0086* [0.0046]	0.0023 [0.0023]	0.0043 [0.0053]	-0.0215 [0.0242]
Diabetes	0.0003 [0.0028]	-0.0042 [0.0114]	0.0044 [0.0037]	0.0096 [0.0226]
Digestive	0.0034 [0.0048]	-0.0324*** [0.0114]	0.0131* [0.0070]	0.0248 [0.0328]
Endocrine, Nutritional Metabolicand, Blood Disorders	0.0027 [0.0037]	-0.0076 [0.0114]	0.0003 [0.0059]	0.0059 [0.0332]
Eye and ear	-0.0007 [0.0009]	0.0118 [0.0097]	0.0183** [0.0079]	-0.0270 [0.0410]
Heart	0.0022 [0.0028]	0.0087 [0.0177]	0.0084 [0.0075]	0.0231 [0.0435]
Infective and parasitic diseases	0.0010 [0.0017]	0.0035 [0.0031]	0.0074 [0.0114]	0.0223 [0.0156]
Injuries	-0.0048* [0.0029]	0.0012 [0.0093]	0.0111* [0.0063]	-0.0071 [0.0260]
Mental	-0.0009 [0.0049]	-0.0248 [0.0321]	0.0095 [0.0102]	0.0297 [0.0562]
Musculoskeletal	-0.0015 [0.0072]	0.0276 [0.0332]	0.0208 [0.0177]	0.0879 [0.0826]
Neoplasms	0.0000 [0.0024]	0.0177 [0.0108]	0.0015 [0.0039]	-0.0027 [0.0165]
Other	0.0055 [0.0078]	0.0243 [0.0334]	-0.0031 [0.0030]	-0.0092 [0.0172]
Respiratory	0.0050 [0.0069]	0.0463* [0.0279]	0.0139 [0.0095]	0.0234 [0.0421]
Skin and subcutaneous tissue	0.0029 [0.0037]	-0.0084 [0.0164]	-0.0023 [0.0051]	-0.0011 [0.0260]
Certain symptoms and ill-defined conditions	-0.0010 [0.0025]	0.0396* [0.0223]	0.0036 [0.0063]	-0.0136 [0.0384]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.14: Estimated Local Effect of Military Service for the 1948-1952 Born Complier Veterans (NHIS 1997-2005 and 2006-2013; Part I)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Risky Health Behavior</i>				
Sample size	8686	2008	6002	1596
Current Smoker	-0.0610 [0.1714]	-0.2086 [0.3128]	-0.0438 [0.0755]	-0.4521 [0.2898]
Current Drinker	-0.0398 [0.0732]	0.7661* [0.3999]	0.0027 [0.0947]	0.2455 [0.2728]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	19737	4377	13439	3418
Arthritis	-0.0255* [0.0152]	-0.0119 [0.0787]	-0.0060 [0.0258]	-0.0614 [0.1039]
Back/neck conditions	-0.0325 [0.0221]	-0.0411 [0.0923]	0.0241 [0.0336]	0.0308 [0.1280]
Cancer	-0.0004 [0.0069]	-0.0066 [0.0338]	-0.0313** [0.0146]	-0.0059 [0.0465]
Circulatory	-0.0050 [0.0064]	0.0338 [0.0398]	-0.0065 [0.0113]	0.0269 [0.0379]
Depression	-0.0278* [0.0148]	0.0559 [0.0621]	0.0227 [0.0217]	0.0239 [0.0808]
Diabetes	-0.0207* [0.0122]	-0.1468* [0.0812]	-0.0061 [0.0216]	-0.0980 [0.0937]
Digestive	0.0088*** [0.0024]	-0.0038 [0.0387]	-0.0012 [0.0108]	0.0032 [0.0403]
Fracture	-0.0052 [0.0152]	0.0248 [0.0635]	-0.0016 [0.0212]	0.0414 [0.0770]
Development	0.0023 [0.0044]	0.0118 [0.0169]	0.0049 [0.0048]	0.0123 [0.0211]
Heart	-0.0140 [0.0147]	-0.0692 [0.0671]	-0.0074 [0.0259]	0.0540 [0.0948]
Hypertension	0.0075 [0.0114]	0.0174 [0.0790]	0.1225 [0.0993]	0.0480 [0.2848]
Lung	-0.0012 [0.0113]	-0.0338 [0.0493]	-0.0130 [0.0206]	-0.0123 [0.0547]
Mental	-0.0023 [0.0052]	-0.0407*** [0.0052]	0.0023 [0.0078]	-0.0150 [0.0181]
Missing limb/finger	-0.0016 [0.0037]	0.0210 [0.0224]	-0.0037 [0.0093]	-0.0142 [0.0398]
Skin	-0.0032** [0.0016]	-0.0048 [0.0067]	-0.0004 [0.0003]	0.0061 [0.0070]
Weight	0.0026 [0.0064]	-0.0204 [0.0325]	-0.0125 [0.0107]	0.0538 [0.0452]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.15: Estimated Local Effect of Military Service for the 1948-1952 Born Complier Veterans (NHIS 1997-2005 and 2006-2013; Part II)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Other Chronic Conditions</i>				
Sample size	8723	2028	6023	1603
Angina pectoris	0.0355 [0.0286]	-0.0059 [0.1107]	0.0972** [0.0416]	-0.2222** [0.1093]
Asthma attack	0.0159 [0.0226]	0.0127 [0.1867]	0.0585* [0.0327]	-0.0070 [0.0701]
Asthma	0.0230 [0.0438]	-0.1084 [0.1867]	0.1050* [0.0603]	0.0255 [0.1500]
Chronic bronchitis	0.0015 [0.0292]	0.1242 [0.1210]	0.0438 [0.0384]	0.0700 [0.0921]
Cancer	-0.0048 [0.0375]	-0.1095 [0.1222]	-0.0649 [0.0617]	-0.2405 [0.1657]
Diabetes	-0.0113 [0.0424]	0.0175 [0.2636]	0.0992 [0.0748]	-0.2991 [0.2511]
Emphysema	0.0035 [0.0424]	0.0923 [0.0865]	0.0398 [0.0393]	-0.0932 [0.0934]
Feelings interfere with life	-0.0211 [0.0277]	0.0318 [0.1294]	-0.0070 [0.0383]	-0.0674 [0.1211]
Have trouble hearing	-0.1185*** [0.0492]	0.1673 [0.2155]	0.1128 [0.0903]	-0.1311 [0.2162]
Have trouble seeing	0.0122 [0.0493]	-0.0832 [0.2183]	0.0203 [0.0610]	-0.2347 [0.2077]
Heart attack	0.0194 [0.0324]	0.0445 [0.1379]	0.0689 [0.0527]	-0.2650 [0.1678]
Heart conditions	0.0430 [0.0407]	0.3677* [0.2078]	0.0153 [0.0588]	-0.1274 [0.1468]
Hypertension	0.0238 [0.0739]	0.0288 [0.3307]	0.1225 [0.0993]	0.0480 [0.2848]
Joint pain in the past 30 days	-0.0748 [0.0793]	0.1506 [0.3307]	-0.0584 [0.0990]	-0.7235** [0.3427]
Kidneys in the past 12 months	-0.0273 [0.0194]	0.0410 [0.0982]	0.0535* [0.0308]	-0.0050 [0.1137]
Liver conditions in the past 12 months	-0.0343 [0.0232]	-0.0709 [0.1175]	0.0298 [0.0314]	0.0094 [0.0985]
Low back pain in the past 3 months	-0.0691 [0.0760]	-0.2963 [0.3255]	-0.0045 [0.0913]	-0.6469** [0.3245]
Neck pain in the past 3 months	-0.1385** [0.0615]	-0.2253 [0.4226]	-0.0638 [0.0729]	-0.4299* [0.2412]
Severe headache/migraine in the past 3 months	-0.0018 [0.0492]	-0.1509* [0.0865]	0.0412 [0.0563]	-0.3403* [0.1753]
Sinusitis	0.0461 [0.0548]	0.1389 [0.2654]	0.1283** [0.0648]	-0.0611 [0.1616]
Stroke	0.0089 [0.0199]	0.0340 [0.0855]	0.0243 [0.0398]	0.0331 [0.1070]
Teeth	-0.0342 [0.0401]	-0.0502 [0.1802]	-0.0906 [0.0623]	-0.2310 [0.1864]
Ulcer	-0.0145 [0.0447]	-0.1852 [0.2090]	0.1211** [0.0609]	-0.3003* [0.1696]
Worse health than 12 months ago	0.0179 [0.0448]	-0.3387 [0.2373]	-0.0049 [0.0610]	-0.3111 [0.2004]

Notes: Standard errors of estimates are shown in squared brackets; \* significant at 10% level; \*\* significant at 5% level; \*\*\* significant at 1% level.

Table A.16: Estimated Bounds on the Military Service Effect for the 1948-1952 Born Population of Veterans (NHIS 1974-1981, 1982-1996)

Variable	NHIS 1974-1981		NHIS 1982-1996	
	Whites	Nonwhites	Whites	Nonwhites
<i>General Health Outcomes</i>				
Sample size	29081	4022	47363	9188
Activity Limitation	(0.0043, 0.1169) [-0.0025, 0.1253]	(-0.0088, 0.1605) [-0.0305, 0.1891]	(0.0174, 0.1732) [0.0110, 0.1812]	(0.0351, 0.2564) [0.0135, 0.2829]
Activity Unable	(0.0013, 0.0234) [-0.0017, 0.0269]	(0.0010, 0.0894) [-0.0109, 0.1051]	(0.0062, 0.0623) [0.0024, 0.0670]	(0.0207, 0.1676) [0.0047, 0.1872]
Work Limitation	-	-	(0.0150, 0.1324) [0.0095, 0.1392]	(0.0259, 0.2227) [0.0065, 0.2467]
Work Unable	-	-	(0.0059, 0.0640) [0.0021, 0.0688]	(0.0201, 0.1668) [0.0042, 0.1865]
Fair/Poor Health	(0.0009, 0.0199) [-0.0018, 0.0231]	(0.0037, 0.0626) [-0.0079, 0.0775]	(0.0136, 0.1690) [0.0034, 0.1816]	(0.0120, 0.3449) [-0.0203, 0.3865]
<i>Risky Health Behavior</i>				
Sample size	5221	663	1750	279
Current smokers	(0.1217, 0.3510) [0.0751, 0.3966]	(0.1838, 0.4775) [0.0283, 0.6304]	(0.0975, 0.3391) [0.0178, 0.4171]	(0.1861, 0.5004) [-0.0570, 0.7398]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	29081	4022	47363	9188
Circulatory	(0.0000, 0.0179) [-0.0046, 0.0199]	(-0.0005, 0.0187) [-0.0141, 0.0269]	(0.0003, 0.0072) [-0.0039, 0.0095]	(-0.0005, 0.0034) [-0.0113, 0.0105]
Diabetes	(-0.0008, 0.0054) [-0.0051, 0.0066]	(0.0000, 0.0066) [-0.0119, 0.0108]	(-0.0005, 0.0028) [-0.0042, 0.0042]	(-0.0043, -0.0004) [-0.0140, 0.0050]
Digestive	(-0.0009, 0.0096) [-0.0056, 0.0117]	(-0.0005, 0.0034) [-0.0189, 0.0108]	(0.0040, 0.0140) [-0.0006, 0.0171]	(0.0019, 0.0108) [-0.0077, 0.0196]
Endocrine, Nutritional Metabolic and, Blood Disorders	(-0.0007, 0.0084) [-0.0052, 0.0101]	(0.0005, 0.0097) [-0.0120, 0.0156]	(-0.0012, 0.0086) [-0.0055, 0.0111]	(-0.0046, 0.0055) [-0.0160, 0.0140]
Eye and ear	(-0.0003, 0.0011) [-0.0047, 0.0015]	(0.0002, 0.0028) [-0.0120, 0.0051]	(0.0028, 0.0148) [-0.0021, 0.0183]	(-0.0024, 0.0071) [-0.0159, 0.0181]
Heart	(0.0000, 0.0170) [-0.0041, 0.0183]	(-0.0009, 0.0171) [-0.0127, 0.0214]	(0.0007, 0.0134) [-0.0040, 0.0167]	(0.0044, 0.0117) [-0.0099, 0.0237]
Infective and parasitic diseases	(0.0000, 0.0010) [-0.0044, 0.0018]	(0.0010, 0.0022) [-0.0122, 0.0061]	(0.0004, 0.0033) [-0.0032, 0.0045]	(0.0035, 0.0057) [-0.0059, 0.0100]
Injuries	(0.0002, 0.0018) [-0.0043, 0.0033]	(0.0003, 0.0024) [-0.0125, 0.0056]	(0.0040, 0.0114) [-0.0005, 0.0143]	(0.0017, 0.0067) [-0.0092, 0.0142]
Mental	(0.0008, 0.0051) [-0.0038, 0.0073]	(-0.0012, 0.0025) [-0.0171, 0.0130]	(0.0033, 0.0270) [-0.0024, 0.0315]	(0.0093, 0.0306) [-0.0080, 0.0460]
Musculoskeletal	(-0.0001, 0.0256) [-0.0053, 0.0290]	(0.0053, 0.0364) [-0.0096, 0.0464]	(0.0195, 0.0747) [0.0108, 0.0827]	(0.0321, 0.0829) [0.0075, 0.1063]
Neoplasms	(0.0005, 0.0039) [-0.0037, 0.0050]	(0.0012, 0.0054) [-0.0108, 0.0081]	(0.0006, 0.0043) [-0.0032, 0.0059]	(0.0019, 0.0058) [-0.0077, 0.0114]
Other	(-0.0013, 0.0180) [-0.0067, 0.0217]	(0.0012, 0.0201) [-0.0134, 0.0296]	(0.0000, 0.0013) [-0.0040, 0.0028]	(0.0007, 0.0019) [-0.0096, 0.0074]
Respiratory	(-0.0021, 0.0123) [-0.0072, 0.0156]	(0.0092, 0.0227) [-0.0045, 0.0309]	(0.0037, 0.0256) [-0.0019, 0.0300]	(0.0097, 0.0290) [-0.0036, 0.0411]
Skin and subcutaneous tissue	(-0.0002, 0.0036) [-0.0045, 0.0052]	(-0.0025, 0.0009) [-0.0151, 0.0052]	(0.0001, 0.0058) [-0.0040, 0.0080]	(0.0041, 0.0084) [-0.0072, 0.0164]
Certain symptoms and ill-defined conditions	(0.0001, 0.0036) [-0.0041, 0.0049]	(0.0064, 0.0116) [-0.0074, 0.0190]	(0.0022, 0.0114) [-0.0022, 0.0143]	(-0.0026, 0.0053) [-0.0156, 0.0157]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table A.17: Estimated Bounds on the Military Service Effect for the 1948-1952 Born Population of Veterans (NHIS 1997-2005 and 2006-2013; Part I)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>General Health Outcomes</i>				
Sample size	19764	4391	13439	3418
Activity Limitation	(0.0400, 0.1955) [0.0283, 0.2095]	(0.0397, 0.2982) [0.0077, 0.3384]	(0.0421, 0.2968) [0.0259, 0.3179]	(0.0913, 0.4503) [0.0515, 0.5031]
Fair/Poor Health	(0.0136, 0.1690) [0.0034, 0.1816]	(0.0120, 0.3449) [-0.0203, 0.3865]	(0.0404, 0.2720) [0.0253, 0.2914]	(0.0181, 0.4017) [-0.0205, 0.4535]
Work Limit	(0.0322, 0.1686) [0.0218, 0.1815]	(0.0432, 0.2979) [0.0135, 0.3352]	(0.0391, 0.2684) [0.0239, 0.2879]	(0.0753, 0.3783) [0.0377, 0.4275]
Work Unable	(0.0137, 0.1052) [0.0050, 0.1156]	(0.0262, 0.2370) [0.0007, 0.2687]	(0.0182, 0.1818) [0.0049, 0.1986]	(0.0315, 0.2902) [-0.0019, 0.3340]
<i>Risky Health Behavior</i>				
Sample size	8686	2008	6002	1596
Current Smoker	(0.0803, 0.2111) [0.0449, 0.2456]	(0.0653, 0.2131) [-0.0175, 0.2946]	(0.0645, 0.1796) [0.0266, 0.2161]	(0.0938, 0.2050) [0.0095, 0.2878]
Current Drinker	(0.0269, 0.4860) [-0.0151, 0.5273]	(0.1133, 0.6152) [0.0118, 0.7157]	(-0.0192, 0.4679) [-0.0719, 0.5196]	(0.1086, 0.6068) [-0.0053, 0.7195]
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	19737	4377	13412	3404
Arthritis	(0.0085, 0.0242) [-0.0002, 0.0314]	(0.0170, 0.0323) [-0.0057, 0.0529]	(0.0039, 0.0205) [-0.0090, 0.0318]	(0.0034, 0.0168) [-0.0279, 0.0457]
Back/neck conditions	(0.0228, 0.0318) [0.0112, 0.0423]	(0.0312, 0.0386) [0.0027, 0.0653]	(0.0288, 0.0443) [0.0125, 0.0593]	(0.0404, 0.0535) [0.0012, 0.0907]
Cancer	(0.0008, 0.0037) [-0.0050, 0.0067]	(-0.0006, 0.0023) [-0.0138, 0.0107]	(0.0051, 0.0065) [-0.0060, 0.0150]	(0.0038, 0.0059) [-0.0171, 0.0220]
Circulatory	(-0.0005, 0.0014) [-0.0064, 0.0044]	(0.0057, 0.0092) [-0.0095, 0.0205]	(0.0007, 0.0027) [-0.0080, 0.0081]	(0.0031, 0.0042) [-0.0141, 0.0149]
Depression	(0.0120, 0.0518) [-0.0354, 0.0629]	(0.0269, 0.0277) [0.0050, 0.0467]	(0.0263, 0.0353) [0.0134, 0.0465]	(0.0423, 0.0464) [0.0104, 0.0755]
Diabetes	(-0.0049, 0.0028) [-0.0120, 0.0080]	(0.0142, 0.0159) [-0.0121, 0.0398]	(0.0048, 0.0136) [-0.0071, 0.0236]	(0.0044, 0.0088) [-0.0267, 0.0370]
Digestive	(0.0017, 0.0040) [-0.0042, 0.0069]	(-0.0027, -0.0003) [-0.0170, 0.0095]	(0.0017, 0.0043) [-0.0068, 0.0094]	(0.0025, 0.0045) [-0.0162, 0.0177]
Fracture	(0.0081, 0.0123) [-0.0006, 0.0194]	(0.0070, 0.0093) [-0.0129, 0.0262]	(0.0148, 0.0202) [0.0026, 0.0305]	(0.0159, 0.0263) [-0.0081, 0.0469]
Development	(-0.0003, 0.0013) [-0.0058, 0.0032]	(-0.0004, 0.0012) [-0.0116, 0.0050]	(0.0007, 0.0029) [-0.0065, 0.0054]	(-0.0018, 0.0010) [-0.0156, 0.0060]
Heart	(0.0028, 0.0151) [-0.0055, 0.0218]	(0.0125, 0.0201) [-0.0087, 0.0388]	(0.0110, 0.0201) [-0.0027, 0.0322]	(0.0054, 0.0168) [-0.0232, 0.0427]
Hypertension	(0.0017, 0.0108) [-0.0052, 0.0157]	(0.0185, 0.0263) [-0.0059, 0.0485]	(0.0085, 0.0194) [-0.0038, 0.0299]	(-0.0022, 0.0101) [-0.0310, 0.0362]
Lung	(0.0021, 0.0096) [-0.0049, 0.0147]	(0.0037, 0.0090) [-0.0129, 0.0222]	(0.0062, 0.0150) [-0.0055, 0.0248]	(0.0080, 0.0147) [-0.0134, 0.0321]
Mental	(-0.0022, -0.0001) [-0.0077, 0.0019]	(0.2176, 0.2186) [0.1991, 0.2335]	(-0.0018, 0.0020) [-0.0090, 0.0053]	(-0.0010, 0.0006) [-0.0153, 0.0059]
Missing limb/finger	(0.0009, 0.0013) [-0.0051, 0.0035]	(0.0035, 0.0043) [-0.0091, 0.0108]	(-0.0016, -0.0004) [-0.0099, 0.0038]	(0.0022, 0.0034) [-0.0176, 0.0179]
Skin	(0.0009, 0.0008) [-0.0050, 0.0023]	(-0.0008, -0.0008) [-0.0121, 0.0009]	(-0.0001, 0.0000) [-0.0075, 0.0001]	(-0.0002, 0.0005) [-0.0137, 0.0023]
Weight	(0.0025, 0.0046) [-0.0036, 0.0077]	(-0.0019, -0.0003) [-0.0156, 0.0084]	(0.0017, 0.0044) [-0.0072, 0.0100]	(0.0063, 0.0075) [-0.0114, 0.0189]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table A.18: Estimated Bounds on the Military Service Effect for the 1948-1952 Born Population of Veterans (NHIS 1997-2005 and 2006-2013; Part II)

Variable	NHIS 1997-2005		NHIS 2006-2013	
	Whites	Nonwhites	Whites	Nonwhites
<i>Other Chronic Conditions</i>				
Sample size	8723	2028	6023	1603
Angina pectoris	(0.0096, 0.0315) [-0.0051, 0.0439]	(-0.0007, 0.0220) [-0.0293, 0.0466]	(0.0196, 0.0430) [-0.0007, 0.0608]	(-0.0265, -0.0198) [-0.0612, 0.0103]
Asthma attack	(0.0047, 0.0341) [-0.0083, 0.0444]	(0.0105, 0.0427) [-0.0046, 0.0553]	(-0.0030, 0.0361) [-0.0190, 0.0488]	(0.0023, 0.0283) [-0.0254, 0.0512]
Asthma	(-0.0080, 0.0761) [-0.0289, 0.0955]	(0.0177, 0.0931) [-0.0315, 0.1402]	(0.0008, 0.1129) [-0.0272, 0.1391]	(0.0048, 0.0943) [-0.0425, 0.1390]
Chronic bronchitis	(0.0094, 0.0463) [-0.0067, 0.0603]	(0.0136, 0.0500) [-0.0176, 0.0775]	(0.0103, 0.0453) [-0.0097, 0.0629]	(0.0270, 0.0518) [-0.0053, 0.0800]
Cancer	(0.0036, 0.0578) [-0.0149, 0.0745]	(0.0051, 0.0566) [-0.0238, 0.0817]	(0.0181, 0.0785) [-0.0128, 0.1078]	(0.0172, 0.0655) [-0.0388, 0.1193]
Diabetes	(-0.0002, 0.0493) [-0.0213, 0.0689]	(0.0452, 0.1010) [-0.0144, 0.1588]	(0.0497, 0.1300) [0.0138, 0.1647]	(0.0053, 0.0634) [-0.0687, 0.1357]
Emphysema	(0.0099, 0.0179) [-0.0021, 0.0269]	(0.0102, 0.0284) [-0.0114, 0.0446]	(0.0168, 0.0326) [-0.0037, 0.0506]	(0.0179, 0.0242) [-0.0212, 0.0590]
Feelings interfere with life	(0.0112, 0.0134) [-0.0053, 0.0275]	(0.0119, 0.0110) [-0.0267, 0.0458]	(0.0009, 0.0092) [-0.0195, 0.0267]	(-0.0009, -0.0027) [-0.0474, 0.0398]
Have trouble hearing	(0.0078, 0.0280) [-0.0089, 0.0426]	(-0.0046, 0.0213) [-0.0262, 0.0374]	(0.0241, 0.0347) [0.0013, 0.0553]	(0.0167, 0.0354) [-0.0104, 0.0574]
Have trouble seeing	(-0.0074, 0.0746) [-0.0312, 0.0966]	(-0.0139, 0.0538) [-0.0669, 0.1048]	(0.0003, 0.0742) [-0.0277, 0.1005]	(-0.0370, 0.0471) [-0.1023, 0.1106]
Heart attack	(0.0172, 0.0442) [-0.0001, 0.0597]	(0.0162, 0.0369) [-0.0192, 0.0691]	(0.0288, 0.0535) [0.0024, 0.0780]	(-0.0028, -0.0016) [-0.0571, 0.0495]
Heart conditions	(0.0120, 0.0700) [-0.0077, 0.0881]	(0.0537, 0.1218) [0.0119, 0.1611]	(0.0223, 0.0791) [-0.0068, 0.1066]	(-0.0094, 0.0255) [-0.0569, 0.0703]
Hypertension	(0.0244, 0.1931) [-0.0092, 0.2259]	(0.0806, 0.2661) [-0.0041, 0.3496]	(0.0583, 0.3048) [0.0102, 0.3520]	(0.0407, 0.2692) [-0.0523, 0.3608]
Joint pain in the past 30 days	(0.0427, 0.2720) [0.0041, 0.3098]	(0.0601, 0.3205) [-0.0245, 0.4038]	(0.0235, 0.2557) [-0.0236, 0.3017]	(0.0122, 0.1940) [-0.0800, 0.2848]
Kidneys conditions in the past 12 months	(-0.0048, 0.0078) [-0.0163, 0.0163]	(-0.0084, 0.0106) [-0.0630, 0.0630]	(0.0054, 0.0267) [-0.0107, 0.0396]	(-0.0063, 0.0058) [-0.0457, 0.0413]
Liver conditions in the past 12 months	(0.0074, 0.0116) [-0.0071, 0.0232]	(-0.0102, -0.0080) [-0.0432, 0.0205]	(0.0120, 0.0229) [-0.0050, 0.0367]	(0.0131, 0.0213) [-0.0256, 0.0560]
Low back pain in the past 3 months	(0.0413, 0.2520) [0.0046, 0.2879]	(0.0374, 0.2374) [-0.0405, 0.3139]	(0.0381, 0.2438) [-0.0068, 0.2877]	(0.0426, 0.2217) [-0.0511, 0.3141]
Neck pain in the past 3 months	(0.0205, 0.1183) [-0.0091, 0.1469]	(0.0415, 0.1423) [-0.0193, 0.2014]	(0.0200, 0.1195) [-0.0155, 0.1537]	(0.0012, 0.0880) [-0.0673, 0.1547]
Severe headache/migraine in the past 3 months	(0.0069, 0.1318) [-0.0172, 0.1546]	(0.0102, 0.0284) [-0.0443, 0.0806]	(0.0144, 0.1338) [-0.0138, 0.1603]	(0.0214, 0.1088) [-0.0341, 0.1621]
Sinusitis	(0.0096, 0.1332) [-0.0160, 0.1576]	(0.0674, 0.1871) [0.0003, 0.2527]	(0.0196, 0.1295) [-0.0110, 0.1584]	(0.0275, 0.0966) [-0.0250, 0.1468]
Stroke	(0.0018, 0.0253) [-0.0102, 0.0344]	(0.0072, 0.0236) [-0.0191, 0.0454]	(0.0259, 0.0523) [0.0033, 0.0728]	(-0.0083, 0.0111) [-0.0435, 0.0424]
Teeth	(0.0110, 0.0806) [-0.0104, 0.1003]	(-0.0042, 0.0743) [-0.0546, 0.1226]	(0.0174, 0.0685) [-0.0130, 0.0972]	(0.0065, 0.0555) [-0.0543, 0.1143]
Ulcer	(0.0122, 0.0726) [-0.0097, 0.0931]	(0.0258, 0.0752) [-0.0224, 0.1212]	(0.0274, 0.1013) [-0.0016, 0.1287]	(0.0116, 0.0404) [-0.0408, 0.0903]
Worse health than 12 months ago	(0.0162, 0.0800) [-0.0055, 0.1003]	(-0.0154, 0.0409) [-0.0638, 0.0872]	(0.0052, 0.0702) [-0.0242, 0.0979]	(0.0013, 0.0401) [-0.0554, 0.0944]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

## B Subpopulation Proportions

Table B.1: Mean Statistics of Veteran Status, Draft Eligibility, Subpopulation Proportion in NHIS 1974-1981

	Total Observation	Draft-eligible	Veterans	Never Takers	Draft Volunteers (Always Takers)	Compliers
<b>White Males Born in 1948-1952</b>						
<b>Mean</b>	29081	0.4369	0.3178	0.5899	0.2462	0.1638
<b>SE</b>	-	[0.0030]	[0.0029]	[0.0046]	[0.0035]	[0.0057]
<b>Nonwhite Males Born in 1948-1952</b>						
<b>Mean</b>	4022	0.4471	0.2814	0.6682	0.2405	0.0913
<b>SE</b>	-	[0.0081]	[0.0072]	[0.0113]	[0.0092]	[0.0146]

Notes: Standard errors of estimates are shown in square brackets.

Table B.2: Mean Statistics of Veteran Status, Draft Eligibility, Subpopulation Proportion in NHIS 1982-1996

	Total Observation	Draft-eligible	Veterans	Never Takers	Draft Volunteers (Always Takers)	Compliers
<b>White Males Born in 1948-1952</b>						
<b>Mean</b>	47363	0.4448	0.3176	0.5988	0.2506	0.1506
<b>SE</b>	-	[0.0024]	[0.0023]	[0.0036]	[0.0029]	[0.0046]
<b>Nonwhite Males Born in 1948-1952</b>						
<b>Mean</b>	9188	0.4569	0.2480	0.7101	0.2127	0.0771
<b>SE</b>	-	[0.0057]	[0.0050]	[0.0077]	[0.0064]	[0.0099]

Notes: Standard errors of estimates are shown in square brackets.

Table B.3: Mean Statistics of Veteran Status, Draft Eligibility, Subpopulation Proportion in NHIS 1997-2005

	Total Observation	Draft-eligible	Veterans	Never Takers	Draft Volunteers (Always Takers)	Compliers
<b>White Males Born in 1948-1952</b>						
<b>Mean</b>	19764	0.4375	0.2863	0.6360	0.2258	0.1382
<b>SE</b>	-	[0.0037]	[0.0034]	[0.0055]	[0.0042]	[0.0069]
<b>Nonwhite Males Born in 1948-1952</b>						
<b>Mean</b>	4391	0.4444	0.2261	0.7363	0.1960	0.0676
<b>SE</b>	-	[0.0075]	[0.0061]	[0.0098]	[0.0078]	[0.0126]

Notes: Standard errors of estimates are shown in square brackets.

Table B.4: Mean Statistics of Veteran Status, Draft Eligibility, Subpopulation Proportion in NHIS 2006-2013

	Total Observation	Draft-eligible	Veterans	Never Takers	Draft Volunteers (Always Takers)	Compliers
<b>White Males Born in 1948-1952</b>						
<b>Mean</b>	13439	0.4355	0.2970	0.6239	0.2359	0.1403
<b>SE</b>	-	[0.0047]	[0.0043]	[0.0069]	[0.0053]	[0.0087]
<b>Nonwhite Males Born in 1948-1952</b>						
<b>Mean</b>	3418	0.4369	0.2500	0.7046	0.2148	0.0806
<b>SE</b>	-	[0.0088]	[0.0077]	[0.0123]	[0.0096]	[0.0156]

Notes: Standard errors of estimates are shown in square brackets.

## C Multiple Testing Procedure

We conducted multiple testing using the sequential False Discovery Rate (FDR) in Benjamini and Hochberg (1995). In this Appendix, we explain the procedure and provide its results.

### Sequential False Discovery Rate (FDR)

(1) For each individual health outcome within a group,  $y_1, y_2, \dots, y_M$ , we obtain the lowest critical levels  $\hat{\alpha}_1, \hat{\alpha}_2, \dots, \hat{\alpha}_M$ , respectively, at which the confidence intervals of the bounds based on the Chernozhukov, Lee, and Rosen (2013; CLR, hereafter) method exclude zero.

(2) These critical levels in (1) are equal to the suprema of the probabilities that the null hypotheses (i.e., zero effect),  $H_1, H_2, \dots, H_M$ , are true, respectively.

(3) We rank the critical levels  $\hat{\alpha}_1, \hat{\alpha}_2, \dots, \hat{\alpha}_M$  in ascending order, and denote them by  $p^{(1)} \leq p^{(2)} \leq \dots \leq p^{(M)}$  and  $H^{(1)}, H^{(2)}, \dots, H^{(M)}$  the corresponding hypotheses. We let the level of significance for the multiple testing procedure  $\alpha$  be a fixed number, and  $0 < \alpha < 1$ .

(4) Let  $k$  be the largest  $i$  for which  $p^{(i)} \leq \frac{i}{M} \times \alpha$ . Then we reject all  $H^{(i)}$ , where  $i = 1, 2, \dots, k$

(5) For example, if  $k = 2$ , we conclude that the estimated effects for health outcomes  $y^{(1)}$  and  $y^{(2)}$  remain statistically significant at the level of  $\alpha$  after the sequential FDR multiple testing procedure.

We categorized health outcomes into four families: (1) general health outcomes (i.e., activity limitation, activity unable, work limitation, work unable, fair/poor health); (2) risky health behaviors (, current smoker and current drinker; only for NHIS 1997-2005 and 2006-2013); (3) activity-limiting chronic conditions (as health outcomes in Figure 4 and Figure 5); (4) other chronic conditions (as health outcomes in Figure 6 and Figure 7; only for NHIS 1997-2005 and 2006-2013). We conducted multiple testing procedures within each survey period for whites and nonwhites, respectively across the health outcomes in each family.

**In this appendix, we present the health outcomes for which the bounds estimates remain statistically significantly different from zero after the multiple testing procedure and the level of significance in this procedure. The level of significance of the multiple testing procedure is shown at the top of each column.**

The multiple testing results for the following groups of health outcomes are not presented since none of the estimated effects for them remain statistically significant at 10% after multiple testing: (1) The estimated net effect of the draft lotteries on all four groups of health outcomes for the never takers; (2) The estimated military service effect on activity limiting chronic conditions, other chronic conditions, and health behaviors for the compliers.

Table C.1: Multiple Testing Results for General Health Outcomes of Compliers (Figure 2)

Sequential False Discovery Rate		
10%	5%	1%
	Activity Limitation (Whites; NHIS 1997-2005)	Activity Limitation (Whites; NHIS 1974-1981)
	Work Limitation (Whites; NHIS 1997-2005)	
	Work Unable (Whites; NHIS 1997-2005)	
	Fair\Poor Health (Whites; NHIS 1997-2005)	

Table C.2: Multiple Testing Results for General Health Outcomes of Volunteer Veterans (Figure 3)

Sequential False Discovery Rate		
10%	5%	1%
<b>Panel A: Whites</b>		
	Fair\Poor Health (NHIS 1982-1996)	Fair\Poor Health (NHIS 1997-2005)
	Work Limitation (NHIS 1982-1996)	Work Limitation (NHIS 1997-2005)
	Activity Limitation (NHIS 1982-1996)	Activity Limitation (NHIS 1997-2005)
	Work Unable (NHIS 2006-2013)	Work Unable (NHIS 1997-2005)
	Fair\Poor Health (NHIS 2006-2013)	Activity Limitation (NHIS 2006-2013)
		Work Limitation (NHIS 2006-2013)
<b>Panel B: Nonwhites</b>		
		Activity Limitation (NHIS 1997-2005)
		Work Limitation (NHIS 1997-2005)
		Work Unable (NHIS 1997-2005)
		Fair\Poor Health (NHIS 1997-2005)
		Activity Limitation (NHIS 2006-2013)
		Work Limitation (NHIS 2006-2013)
		Work Unable (NHIS 2006-2013)
		Fair\Poor Health (NHIS 2006-2013)

Table C.3: Multiple Testing Results for Smoking and Drinking of Volunteer Veterans (Figure 3)

Sequential False Discovery Rate	
10%	5%      1%
<b>Panel A: Whites</b>	
Current Drinker (NHIS 2006-2013)	Current Smoker (NHIS 1997-2005)
(NHIS 1997-2005)	Current Drinker
	Current Smoker (NHIS 2006-2013)
<b>Panel A: Nonwhites</b>	
Current Drinker (NHIS 1997-2005)	Current Smoker (NHIS 1997-2005)
Current Drinker (NHIS 2006-2013)	Current Smoker (NHIS 2006-2013)

Table C.4: Multiple Testing Results for Activity Limiting Chronic Conditions of Volunteer Veterans (Figure 4 and Figure 5)

Sequential False Discovery Rate		
10%	5%	1%
<b>Panel A: Whites</b>		
Lung (NHIS 2006-2013)	Heart (NHIS 2006-2013)	Musculoskeletal Conditions (NHIS 1982-1996)
Hypertension (NHIS 2006-2013)		Arthritis (NHIS 1997-2005)
		Back\neck conditions (NHIS 1997-2005)
		Fracture (NHIS 1997-2005)
		Back\neck conditions (NHIS 2006-2013)
		Depression (NHIS 2006-2013)
		Fracture (NHIS 2006-2013)
		Cancer (NHIS 2006-2013)
<b>Panel B: Nonwhites</b>		
	Heart (NHIS 1997-2005)	Back\neck conditions (NHIS 1997-2005)
	Depression (NHIS 1997-2005)	Diabetes (NHIS 1997-2005)
		Depression (NHIS 2006-2013)

Table C.5: Multiple Testing Results for Non-Activity Limiting Chronic Conditions of Volunteer Veterans (Figure 6 and Figure 7)

Sequential False Discovery Rate		
10%	5%	1%
	<b>Panel A: Whites</b>	
Heart Attack (NHIS 1997-2005)	Feeling Interfere Life (NHIS 1997-2005)	Hearing Conditions (NHIS 1997-2005)
Ulcer (NHIS 1997-2005)	Emphysema Conditions (NHIS 1997-2005)	Joint Conditions (NHIS 1997-2005)
Neck Pain (NHIS 2006-2013)	Severe Hearing Condition (NHIS 1997-2005)	Neck Pain (NHIS 1997-2005)
Lower Back Pain (NHIS 2006-2013)	Teeth Conditions (NHIS 1997-2005)	Lower Back Pain (NHIS 1997-2005)
Stroke (NHIS 2006-2013)	Cancer (NHIS 2006-2013)	Liver (NHIS 1997-2005)
Joints (NHIS 2006-2013)		Hearing Conditions (NHIS 1997-2005)
Diabetes (NHIS 2006-2013)		Severe Hearing Conditions (NHIS 2006-2013)
Hypertension (NHIS 2006-2013)		Teeth (NHIS 2006-2013)
	<b>Panel B: Nonwhites</b>	
Cancer (NHIS 1997-2005)	Lower Back Pain (NHIS 1997-2005)	Neck Pain (NHIS 1997-2005)
Heart Attack (NHIS 2006-2013)	Hypertension (NHIS 1997-2005)	Ulcer (NHIS 1997-2005)
Hearing (NHIS 2006-2013)	Cancer (NHIS 2006-2013)	Headache (NHIS 2006-2013)
Severe Hearing Conditions (NHIS 2006-2013)	Emphysema (NHIS 2006-2013)	Joints (NHIS 2006-2013)
Bronchitis (NHIS 2006-2013)	Sinus (NHIS 2006-2013)	Lower Back Pain (NHIS 2006-2013)
	Diabetes (NHIS 2006-2013)	Ulcer (NHIS 2006-2013)
	Teeth (NHIS 2006-2013)	Neck Pain (NHIS 2006-2013)
		Worse Health (NHIS 2006-2013)

Table C.6: Multiple Testing Results for General Health Outcomes of All Veterans (Table A.16 and Table A.17)

Sequential False Discovery Rate		
10%	5%	1%
	<b>Panel A: Whites</b>	
	Fair\Poor Health (NHIS 1982-1996)	Activity Limitation (NHIS 1982-1996)
	Fair\Poor Health (NHIS 1997-2005)	Activity Unable (NHIS 1982-1996)
	Fair\Poor Health (NHIS 2006-2013)	Work Limitation (NHIS 1982-1996)
		Work Unable (NHIS 1982-1996)
		Activity Limitation (NHIS 1997-2005)
		Work Limitation (NHIS 1997-2005)
		Work Unable (NHIS 1997-2005)
		Activity Limitation (NHIS 2006-2013)
		Work Limitation (NHIS 2006-2013)
		Work Unable (NHIS 2006-2013)
	<b>Panel B: Nonwhites</b>	
Fair\Poor Health (NHIS 1982-1996)	Activity Limitation (NHIS 1982-1996)	Activity Limitation (NHIS 2006-2013)
Work Unable (NHIS 1997-2005)	Work Limitation (NHIS 1982-1996)	Work Limitation (NHIS 2006-2013)
Work Unable (NHIS 2006-2013)	Activity Unable (NHIS 1982-1996)	
	Work Unable (NHIS 1982-1996)	
	Work Limitation (NHIS 1997-2005)	
	Activity Limitation (NHIS 1997-2005)	

Table C.7: Multiple Testing Results for Smoking and Drinking of All Veterans (Table A.18)

Sequential False Discovery Rate		
10%	5%	1%
<b>Panel A: Whites</b>		
	Current Drinker (NHIS 1997-2005)	Current Smoker (NHIS 1997-2005)
	Current Drinker (NHIS 2006-2013)	Current Smoker (NHIS 2006-2013)
<b>Panel A: Nonwhites</b>		
	Current Smoker (NHIS 1997-2005)	
	Current Drinker (NHIS 1997-2005)	
	Current Smoker (NHIS 2006-2013)	
	Current Drinker (NHIS 2006-2013)	

Table C.8: Multiple Testing Results for Activity Limiting Chronic Conditions of All Veterans (Table A.17)

Sequential False Discovery Rate		
10%	5%	1%
<b>Panel A: Whites</b>		
Back\Neck Conditions (NHIS 2006-2013)	Musculoskeletal Conditions (NHIS 1982-1996)	
	Back\Neck Conditions (NHIS 1997-2005)	
	Depression Conditions (NHIS 2006-2013)	
<b>Panel B: Nonwhites</b>		
	Mental (NHIS 1997-2005)	

Table C.9: Multiple Testing Results for Non-Activity Limiting Chronic Conditions of All Veterans (Table A.18)

Sequential False Discovery Rate		
10%	5%	1%
<b>Panel A: Whites</b>		
Hearing Conditions (NHIS 2006-2013)		
<b>Panel B: Nonwhites</b>		
None of the estimated bounds for all veterans remain statistically significantly different from zero at 10% after the multiple testing correction.		

## D Numerical Values for the Figures in the Main Text

In this section, we present the numerical values of the estimated bounds in the figures of the paper.

Table D.1: Estimated Bounds on the Net Effect of the 1948-1952 Born White and Nonwhite Never Takers (Figure 1)

Variable	NHIS 1974-1981	NHIS 1982-1996	NHIS 1997-2005	NHIS 2006-2013
	White			
Sample size	29081	47363	19764	13439
Activity Limitation (Panel A)	(-0.84, 10.17)	(-2.22, 12.7)	(-4.14, 12.06)	(-5.17, 18.38)
95% CI	[-1.60, 10.8]	[-3.00, 13.20]	[-5.20, 12.80]	[-6.90, 20.40]
Activity Unable (Panel C)	(-0.48, 1.47)	(-0.95, 4.01)	–	–
95% CI	[-0.80, 1.70]	[-1.40, 4.30]	–	–
Fair and Poor Health (Panel E)	(-0.45, 1.35)	(-1.93, 6.83)	(-3.61, 10.15)	(-2.07, 17.94)
95% CI	[-0.80, 1.60]	[-2.50, 7.20]	[-4.60, 10.80]	[-3.7, 19.1]
Work Limit (Panel G)	–	(-1.81, 9.07)	(-3.61, 9.66)	(-4.24, 16.69)
95% CI	–	[-2.40, 9.50]	[-4.60, 10.30]	[-5.9, 17.9]
Work Unable (Panel I)	–	(-1.01, 4.16)	(-3.06, 6.00)	(-3.29, 12.18)
95% CI	–	[-1.40, 4.50]	[-3.80, 6.50]	[-4.70, 13.20]
Current Smoker (Panel K)	(-14.78, 13.97)	(-11.48, 16.15)	(-9.70, 15.03)	(-6.19, 16.30)
95% CI	[-18.60, 18.22]	[-17.86, 23.45]	[-12.09, 18.45]	[-8.77, 18.20]
Current Drinker (Panel M)	–	–	(-18.43, 6.62)	(-18.44, 7.88)
95% CI	–	–	[-21.87, 9.22]	[-22.85, 11.44]
	Nonwhite			
Sample size	4022	9188	4391	3418
Activity Limitation (Panel B)	(-2.48, 9.42)	(-2.37, 9.29)	(-3.43, 6.82)	(-4.27, 8.84)
95% CI	[-4.70, 11.30]	[-4.10, 12]	[-5.80, 10.30]	[-7.90, 13.50]
Activity Unable (Panel D)	(-0.78, 3.14)	(-0.86, 7.11)	–	–
95% CI	[-2.00, 4.10]	[-2.10, 8.00]	–	–
Fair and Poor Health (Panel F)	(-1.10, 1.82)	(-1.65, 9.90)	(-3.74, 6.75)	(-6.77, 6.38)
95% CI	[-2.20, 2.70]	[-3.40, 12.60]	[-6.40, 10.40]	[-10.20, 11.00]
Work Limit (Panel H)	–	(-1.83, 9.63)	(-2.81, 7.36)	(-3.56, 9.16)
95% CI	–	[-3.40, 11.8]	[-5.00, 10.80]	[-6.90, 13.7]
Work Unable (Panel J)	–	(-0.84, 7.39)	(-2.48, 7.36)	(-3.73, 8.83)
95% CI	–	[-2.10, 8.30]	[-4.30, 9.90]	[-6.70, 13.30]
Current Smoker (Panel L)	(-8.47, 16.53)	(3.24, 19.37)	(-5.51, 7.17)	(-6.94, 9.73)
95% CI	[-18.83, 27.20]	[-10.56, 34.86]	[-10.29, 12.89]	[-11.91, 16.23]
Current Drinker (Panel N)	–	–	(-3.55, 10.38)	(-6.84, 10.63)
95% CI	–	–	[-9.20, 16.07]	[-13.45, 17.45]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table D.2: Estimated Local Effect of Military Service on General Health Outcomes and Health Behaviors of Complier Veterans (Figure 2)

Variable	NHIS 1974-1981	NHIS 1982-1996	NHIS 1997-2005	NHIS 2006-2013
White				
Sample size	29081	47363	19764	13439
Activity Limitation (Panel A)	6.57	4.15	-7.45	-1.81
95% CI	[2.42, 10.72]	[-0.12, 8.43]	[-14.87, -0.02]	[-12.57, 8.95]
Activity Unable (Panel C)	-0.32	0.86	-	-
95% CI	[-2.03, 1.40]	[-1.58, 3.30]	-	-
Fair and Poor Health (Panel E)	-0.67	-1.32	-9.28	9.40
95% CI	[-2.21, 0.88]	[-4.46, 1.81]	[-15.79, -2.77]	[-0.61, 19.42]
Work Limit (Panel G)	-	2.68	-8.02	-1.11
95% CI	-	[-0.99, 6.34]	[-14.61, -1.43]	[-11.25, 9.04]
Work Unable (Panel I)	-	0.73	-7.97	-1.55
95% CI	-	[-1.75, 3.20]	[-13.40, -2.54]	[-10.35, 7.24]
Current Smoker (Panel K)	-0.46	-2.46	-6.10	-4.38
95% CI	[-18.48, 17.55]	[-36.06, 31.13]	[-20.60, 8.40]	[-19.17, 10.42]
Current Drinker (Panel M)	-	-	-3.98	0.27
95% CI	-	-	[-18.32, 10.37]	[-18.30, 18.83]
Nonwhite				
Sample size	4022	9188	4391	3418
Activity Limitation (Panel B)	-1.87	14.02	1.86	-6.60
95% CI	[23.76, 20.02]	[-7.46, 35.51]	[-32.23, 35.94]	[-47.63, 34.42]
Activity Unable (Panel D)	-1.61	10.82	-	-
95% CI	[-13.43, 10.20]	[-4.78, 26.41]	-	-
Fair and Poor Health (Panel F)	-3.99	7.72	3.17	-28.18
95% CI	[-15.55, 7.57]	[-12.22, 27.66]	[-32.94, 39.27]	[-69.11, 12.75]
Work Limit (Panel H)	-	7.36	5.53	-3.91
95% CI	-	[-11.68, 26.39]	[-26.12, 37.18]	[-42.58, 34.76]
Work Unable (Panel J)	-	10.81	-3.97	-13.69
95% CI	-	[-4.85, 26.48]	[-30.83, 22.88]	[-48.82, 21.44]
Current Smoker (Panel L)	26.64	29.34	-20.86	-45.21
95% CI	[-49.08, 102.37]	[-2911.26, 2969.94]	[-82.17, 40.45]	[-102.01, 11.59]
Current Drinker (Panel N)	-	-	76.61	24.55
95% CI	-	-	[-1.77, 154.98]	[-28.93, 78.03]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table D.3: Estimated Bounds on the Local Effect of Military Service on General Health Outcomes and Behaviors of Volunteer Veterans (Figure 3)

Variable	NHIS 1974-1981	NHIS 1982-1996	NHIS 1997-2005	NHIS 2006-2013
White				
Sample size	29081	47363	19764	13439
Activity Limitation (Panel A)	(-1.35, 13.17)	(1.09, 20.84)	(7.06, 26.77)	(5.77, 37.83)
95% CI	[-2.29, 13.93]	[0.18, 21.59]	[5.49, 28.14]	[3.49, 39.76]
Activity Unable (Panel C)	(0.26, 3.11)	(0.56, 7.66)	–	–
95% CI	[-0.16, 3.45]	[0.02, 8.11]	–	–
Fair and Poor Health (Panel E)	(0.31, 2.76)	(1.05, 12.59)	(4.20, 23.87)	(2.65, 31.82)
95% CI	[-0.10, 3.10]	[0.36, 13.16]	[2.81, 25.07]	[0.52, 33.61]
Work Limit (Panel G)	–	(1.18, 16.07)	(6.22, 23.49)	(5.21, 34.1)
95% CI	–	[0.39, 16.73]	[4.77, 24.77]	[3.02, 35.95]
Work Unable (Panel I)	–	(0.55, 7.92)	(3.86, 15.44)	(2.70, 23.29)
95% CI	–	[0.01, 8.37]	[2.66, 16.50]	[0.84, 24.86]
Current Smoker (Panel K)	(15.55, 44.63)	(12.84, 43.10)	(11.86, 28.48)	(9.50, 24.26)
95% CI	[11.78, 47.66]	[6.40, 48.40]	[8.91, 31.05]	[6.25, 27.02]
Current Drinker (Panel M)	–	–	(4.51, 62.91)	(-2.52, 59.51)
95% CI	–	–	[1.73, 65.18]	[-6.31, 62.64]
Nonwhite				
Sample size	4022	9188	4391	3418
Activity Limitation (Panel B)	(-0.71, 19.09)	(1.77, 27.57)	(4.30, 34.1)	(11.71, 53.49)
95% CI	[-3.31, 21.19]	[-0.48, 29.55]	[0.96, 37.07]	[7.16, 57.45]
Activity Unable (Panel D)	(0.4, 10.72)	(0.62, 17.74)	–	–
95% CI	[-1.22, 12.07]	[-1.07, 19.22]	–	–
Fair and Poor Health (Panel F)	(1.11, 8.00)	(-1.01, 21.94)	(0.90, 39.24)	(6.72, 51.35)
95% CI	[-0.43, 9.28]	[-3.09, 23.67]	[-2.47, 42.16]	[2.29, 55.18]
Work Limit (Panel H)	–	(1.8, 24.74)	(4.14, 33.51)	(9.41, 44.66)
95% CI	–	[-0.3, 26.59]	[1.08, 36.25]	[4.95, 48.62]
Work Unable (Panel J)	–	(0.56, 17.65)	(3.63, 27.90)	(5.90, 36.00)
95% CI	–	[-1.16, 19.14]	[0.98, 30.30]	[1.85, 39.50]
Current Smoker (Panel L)	(13.80, 46.47)	(16.78, 53.58)	(11.22, 28.53)	(20.90, 34.36)
95% CI	[3.10, 55.41]	[2.52, 65.49]	[5.25, 33.69]	[14.98, 39.44]
Current Drinker (Panel N)	–	–	(-0.15, 58.86)	(7.93, 68.39)
95% CI	–	–	[-6.14, 63.96]	[1.68, 73.38]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table D.4: Estimated Bounds on the Local Effect of Military Service on Activity-Limiting Chronic Conditions of White Volunteer Veterans (Figure 4)

Variable	NHIS 1974-1981	NHIS 1982-1996	NHIS 1997-2005	NHIS 2006-2013
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	29081	47363	19764	13439
Circulatory	(-0.24, 2.06) [-0.45, 2.20]	(-0.08, 0.79) [-0.31, 0.97]	(0.07, 0.31) [-0.17, 0.53]	(0.26, 0.51) [-0.20, 0.91]
Diabetes	(-0.11, 0.69) [-0.23, 0.77]	(-0.18, 0.23) [-0.31, 0.33]	(-0.06, 0.91) [-0.51, 1.28]	(0.76, 1.88) [-0.20, 2.70]
Digestive	(-0.22, 1.14) [-0.42, 1.29]	(0.16, 1.42) [-0.14, 1.67]	(-0.02, 0.27) [-0.29, 0.49]	(0.24, 0.57) [-0.24, 0.97]
Heart	(-0.05, 2.12) [-0.18, 2.23]	(-0.13, 1.48) [-0.44, 1.72]	(0.73, 2.29) [0.09, 2.84]	(1.58, 2.72) [0.41, 3.75]
Mental	(0.12, 0.68) [-0.08, 0.85]	(0.16, 3.16) [-0.28, 3.52]	(-0.22, 0.05) [-0.37, 0.13]	(-0.28, 0.19) [-0.60, 0.41]
Cancer	(0.06, 0.49) [-0.05, 0.58]	(0.03, 0.50) [-0.12, 0.62]	(0.12, 0.48) [-0.13, 0.69]	(1.46, 1.64) [0.62, 2.43]
Lung	(-0.41, 1.45) [-0.73, 1.70]	(0.09, 2.88) [-0.33, 3.22]	(0.30, 1.26) [-0.17, 1.66]	(1.11, 2.24) [0.16, 3.08]
Skin	(-0.11, 0.37) [-0.27, 0.49]	(0.07, 0.79) [-0.13, 0.96]	(0.20, 0.18) [0.03, 0.35]	(0.00, 0.01) [-0.00, 0.01]
Endocrine, Nutritional Metabolic and, Blood Disorders	(-0.17, 1.01) [-0.33, 1.12]	(-0.16, 1.08) [-0.41, 1.28]	— —	— —
Eye and ear	(-0.02, 0.16) [-0.05, 0.17]	(-0.13, 1.39) [-0.47, 1.65]	— —	— —
Infective and parasitic diseases	(-0.03, 0.10) [-0.09, 0.14]	(-0.04, 0.32) [-0.15, 0.40]	— —	— —
Injuries	(0.16, 0.37) [0.01, 0.51]	(0.21, 1.14) [-0.08, 1.39]	— —	— —
Musculoskeletal	(0.03, 3.34) [-0.30, 3.61]	(1.92, 8.91) [1.17, 9.54]	— —	— —
Other	(-0.32, 2.16) [-0.70, 2.47]	(0.08, 0.24) [-0.06, 0.36]	— —	— —
Certain symptoms and ill-defined conditions	(0.04, 0.50) [-0.08, 0.61]	(0.18, 1.35) [-0.08, 1.57]	— —	— —
Arthritis	— —	— —	(1.76, 3.75) [1.09, 4.36]	(0.64, 2.74) [-0.39, 3.63]
Back Neck	— —	— —	(3.76, 4.90) [2.79, 5.79]	(3.00, 4.96) [1.60, 6.18]
Depression	— —	— —	(2.26, 2.75) [-4.62, 8.70]	(2.72, 3.86) [1.60, 4.89]
Fracture	— —	— —	(1.16, 1.70) [0.55, 2.25]	(1.90, 2.59) [0.94, 3.44]
Hypertension	— —	— —	(0.01, 1.17) [-0.42, 1.52]	(1.19, 2.56) [0.13, 3.49]
Missing Limbs	— —	— —	(0.16, 0.20) [-0.05, 0.40]	(-0.11, 0.04) [-0.48, 0.32]
Weight	— —	— —	(0.24, 0.51) [-0.04, 0.76]	(0.54, 0.88) [-0.01, 1.37]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table D.5: Estimated Bounds on the Local Effect of Military Service on Activity-Limiting Chronic Conditions of Nonwhite Volunteer Veterans (Figure 5)

Variable	NHIS 1974-1981	NHIS 1982-1996	NHIS 1997-2005	NHIS 2006-2013
<i>Activity-Limiting Chronic Conditions</i>				
Sample size	4022	9188	4391	3418
Circulatory	(-0.10, 2.15) [-0.82, 2.78]	(0.30, 0.75) [-0.22, 1.22]	(0.14, 0.55) [-0.73, 1.33]	(-0.08, 0.05) [-0.75, 0.62]
Diabetes	(0.07, 0.85) [-0.32, 1.20]	(-0.66, -0.20) [-0.95, -0.16]	(3.87, 4.07) [1.90, 5.95]	(2.12, 2.63) [-0.09, 4.59]
Digestive	(-0.10, 0.94) [-0.65, 1.42]	(-0.19, 0.85) [-0.81, 1.38]	(-0.26, 0.03) [-0.89, 0.48]	(0.24, 0.47) [-0.84, 1.42]
Heart	(-0.25, 1.84) [-0.52, 1.97]	(0.13, 0.98) [-0.69, 1.68]	(2.49, 3.37) [1.03, 4.73]	(-0.25, 1.08) [-2.20, 2.76]
Mental	(0.29, 0.73) [-0.55, 1.46]	(0.59, 3.07) [-0.56, 4.06]	(-0.42, -0.31) [-0.66, -0.24]	(0.12, 0.31) [-0.25, 0.64]
Cancer	(-0.16, 0.32) [-0.34, 0.43]	(0.27, 0.72) [-0.21, 1.15]	(0.04, 0.37) [-0.46, 0.77]	(0.54, 0.78) [-0.84, 2.06]
Lung	(0.28, 1.87) [-0.42, 2.46]	(0.74, 2.99) [-0.19, 3.83]	(0.94, 1.56) [-0.01, 2.42]	(1.14, 1.91) [-0.33, 3.25]
Skin	(-0.15, 0.25) [-0.44, 0.34]	(0.50, 0.99) [-0.09, 1.55]	(-0.02, -0.02) [-0.04, 0.00]	(-0.08, -0.04) [-0.21, -0.01]
Endocrine, Nutritional Metabolic and, Blood Disorders	(0.19, 1.27) [-0.33, 1.73]	(-0.63, 0.54) [-1.23, 1.00]	— —	— —
Eye and ear	(-0.17, 0.12) [-0.37, 0.14]	(0.17, 1.27) [-0.57, 1.91]	— —	— —
Infective and parasitic diseases	(-0.00, 0.13) [-0.30, 0.39]	(0.04, 0.30) [-0.21, 0.51]	— —	— —
Injuries	(0.01, 0.26) [-0.22, 0.49]	(0.32, 0.90) [-0.22, 1.39]	— —	— —
Musculoskeletal	(0.13, 3.77) [-0.77, 4.46]	(2.29, 8.21) [0.57, 9.74]	— —	— —
Other	(-0.27, 1.94) [-1.04, 2.56]	(0.24, 0.37) [-0.17, 0.74]	— —	— —
Certain symptoms and ill-defined conditions	(0.07, 0.67) [-0.59, 1.25]	(-0.08, 0.84) [-0.83, 1.46]	— —	— —
Arthritis	— —	— —	(2.14, 3.91) [0.58, 5.32]	(1.40, 2.96) [-0.76, 4.84]
Back Neck	— —	— —	(4.22, 5.07) [2.13, 7.04]	(4.19, 5.72) [1.25, 8.27]
Depression	— —	— —	(2.25, 2.33) [0.79, 3.71]	(4.53, 5.01) [2.01, 7.36]
Fracture	— —	— —	(0.43, 0.69) [-0.60, 1.60]	(1.17, 2.38) [-0.50, 3.68]
Hypertension	— —	— —	(1.86, 2.76) [0.14, 4.33]	(-0.84, 0.58) [-2.85, 2.26]
Missing Limbs	— —	— —	(0.08, 0.17) [-0.41, 0.61]	(0.49, 0.62) [-0.79, 1.82]
Weight	— —	— —	(0.10, 0.28) [-0.45, 0.78]	(-0.14, -0.01) [-0.32, 0.06]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

Table D.6: Estimated Bounds on the Local Effect of Military Service on Other Chronic Conditions of Nonwhite Volunteer Veterans (Figure 6 and Figure 7)

Variable	Whites		Nonwhites	
	Figure 6		Figure 7	
	NHIS 1997-2005	NHIS 2006-2013	NHIS 1997-2005	NHIS 2006-2013
Sample size	8723	2028	6023	1603
Angina pectoris	(0.23, 3.00) [-0.84, 3.85]	(-0.19, 2.79) [-1.87, 4.14]	(0.02, 2.65) [-1.68, 4.08]	(1.50, 2.32) [-0.01, 3.67]
Asthma	(-1.66, 9.00) [-3.27, 10.30]	(-2.85, 11.51) [-5.25, 13.33]	(3.85, 12.60) [0.48, 15.49]	(0.05, 10.88) [-2.95, 13.21]
Asthma attack	(0.17, 3.90) [-0.77, 4.71]	(-2.02, 2.97) [-3.18, 3.65]	(1.01, 4.75) [0.07, 5.55]	(0.42, 3.58) [-1.41, 5.19]
Chronic bronchitis	(1.15, 5.84) [-0.19, 7.04]	(0.09, 4.58) [-1.57, 5.97]	(-0.47, 3.75) [-2.18, 5.15]	(1.79, 4.80) [0.07, 6.30]
Cancer	(0.59, 7.45) [-0.85, 8.65]	(4.12, 11.85) [1.34, 14.26]	(2.42, 8.42) [0.63, 10.10]	(7.19, 13.06) [2.78, 17.20]
Diabetes	(0.30, 6.56) [-1.43, 8.05]	(3.59, 13.86) [0.40, 16.52]	(4.97, 11.47) [0.71, 15.15]	(6.98, 14.02) [1.62, 18.36]
Emphysema	(1.16, 2.18) [0.40, 2.88]	(1.04, 3.06) [-0.71, 4.45]	(-0.33, 1.79) [-1.55, 2.77]	(4.14, 4.90) [1.14, 7.74]
Feelings interfere with life	(2.08, 2.37) [0.77, 3.53]	(0.31, 1.38) [-1.26, 2.61]	(0.88, 0.78) [-0.95, 2.29]	(1.35, 1.12) [-1.70, 3.74]
Headache conditions	(0.92, 16.81) [-1.04, 18.44]	(0.69, 15.98) [-1.67, 17.89]	(-0.33, 1.79) [-3.61, 4.58]	(10.01, 20.64) [5.78, 24.65]
Hearing conditions	(8.82, 23.37) [5.94, 25.87]	(8.53, 21.35) [4.73, 24.53]	(0.51, 15.90) [-3.22, 19.12]	(5.98, 19.40) [0.87, 23.81]
Severe hearing conditions	(1.86, 4.43) [0.61, 5.54]	(4.04, 5.39) [2.06, 7.18]	(-0.72, 2.29) [-1.58, 2.83]	(1.74, 4.01) [0.08, 5.54]
Heart conditions	(0.37, 8.03) [-1.33, 9.48]	(2.42, 9.69) [-0.16, 11.87]	(0.20, 8.15) [-2.47, 10.33]	(1.57, 5.80) [-1.73, 8.72]
Heart attack	(1.64, 5.06) [0.22, 6.29]	(1.77, 4.92) [-0.58, 6.93]	(1.17, 3.57) [-1.08, 5.60]	(5.29, 5.43) [1.68, 8.76]
Hypertension conditions	(2.86, 27.76) [-0.07, 30.20]	(4.03, 35.59) [0.06, 38.77]	(8.92, 30.53) [3.15, 35.47]	(8.92, 31.62) [-2.50, 36.84]
Joints conditions	(7.45, 36.59) [4.32, 39.26]	(4.63, 34.33) [0.73, 37.55]	(4.50, 34.83) [-1.01, 39.58]	(17.22, 39.35) [10.77, 45.04]
Kidney conditions	(0.14, 1.73) [-0.61, 2.39]	(-0.80, 1.92) [-2.09, 2.84]	(-0.80, 1.92) [-2.09, 2.84]	(-0.66, 0.80) [-2.99, 2.36]
Liver conditions	(1.87, 2.40) [0.82, 3.36]	(0.70, 2.09) [-0.61, 3.13]	(-0.03, 0.22) [-1.72, 1.50]	(1.39, 2.38) [-1.28, 4.66]
Neck pain	(6.45, 18.84) [3.97, 21.01]	(4.34, 17.06) [1.24, 19.75]	(8.57, 20.32) [4.01, 24.45]	(9.35, 19.89) [4.17, 24.34]
Lower back pain	(7.11, 33.86) [4.10, 36.42]	(5.00, 31.30) [1.23, 34.44]	(9.27, 32.59) [4.08, 37.11]	(19.12, 40.90) [12.40, 46.68]
Having trouble seeing	(-1.27, 9.11) [-3.20, 10.68]	(-0.53, 8.93) [-2.87, 10.75]	(-0.24, 7.65) [-3.87, 10.82]	(0.57, 10.79) [-4.45, 14.91]
Sinus conditions	(-0.03, 15.69) [-2.15, 17.42]	(-1.10, 12.98) [-3.74, 15.09]	(5.58, 19.51) [0.42, 24.26]	(4.64, 13.01) [1.23, 15.97]
Stroke	(-0.02, 2.95) [-0.87, 3.65]	(2.63, 6.01) [0.51, 7.85]	(0.28, 2.18) [-1.29, 3.53]	(-1.72, 0.64) [-3.71, 2.05]
Teeth conditions	(2.26, 10.74) [0.50, 12.30]	(4.77, 11.31) [2.17, 13.59]	(0.34, 9.50) [-3.62, 13.04]	(5.75, 11.70) [1.00, 15.93]
Ulcer	(1.95, 9.64) [0.10, 11.23]	(0.14, 9.58) [-2.46, 11.66]	(6.11, 11.86) [2.75, 14.95]	(7.81, 11.30) [3.82, 14.89]
Worse health than 12 months ago	(1.57, 9.68) [-0.26, 11.25]	(0.80, 9.13) [-1.77, 11.28]	(3.81, 10.35) [0.88, 12.95]	(6.75, 11.46) [2.88, 14.88]

Notes: 95% confidence intervals shown in squared brackets are based on 5000 rounds of bootstrap.

## E Implications of a Roy Model for Assumption A6

In this appendix, we illustrate and motivate that a standard Roy model and modifications of it do not produce sharp implications, for or against, Assumption A6. To fix ideas, we start by adopting the simple Roy model in Fiorini and Stevens (2021, *Oxford Bulletin of Economics and Statistics*, doi: 10.1111/obes.12430).

### E.1 Set-up

Let  $Y_i(0)$  be the potential health outcome without military service for individual  $i$  and  $Y_i(1)$  be the potential health outcome with military service for individual  $i$ . To be consistent with the paper, we let  $Y_i = 1$  if individual  $i$  has a health condition (a bad outcome), and  $Y_i = 0$  otherwise. Let  $D_i$  be individual  $i$ 's binary indicator for military service.

Let  $Y_i(1) = \alpha + \bar{\beta} + U_i(1)$  and  $Y_i(0) = \alpha + U_i(0)$ . Then, individual  $i$ 's treatment effect of military service on health is  $\beta_i = Y_i(1) - Y_i(0) = \bar{\beta} + U_i(1) - U_i(0)$ . Thus, the “gain” from military service is heterogeneous across individuals.

Based on the Roy model, individuals select into military service based on their perceived individual gain:

$$D_i = \begin{cases} 1 & \text{if } Y_i(1) - Y_i(0) + \gamma_i Z_i < 0 \iff \beta_i < -\gamma_i Z_i \\ 0 & \text{if } Y_i(1) - Y_i(0) + \gamma_i Z_i \geq 0 \iff \beta_i \geq -\gamma_i Z_i \end{cases} \quad (1)$$

where  $Z_i$  is the binary eligibility-to-draft status (the instrument) and  $\gamma_i Z_i$  can be interpreted as an individual cost from military service. The  $\beta_i$  is then a cut-off value. When  $\beta_i$  is lower than the “cost”  $-\gamma_i Z_i$ , individuals join the military, and otherwise they do not. Equation 1 encapsulates the main implication of the Roy model: individuals decide whether to join military based on their idiosyncratic gain (and on the basis of the exogenously determined  $Z$ ).

For simplicity, assume that  $\gamma \in \{\gamma_L < 0, \gamma_H > 0\}$ . The term  $\gamma_i Z_i$  is individualized; depending on the value of  $\gamma_i$ , becoming eligible-to-draft pulls some individuals out of military service ( $\gamma > 0$ ) and some people into military service ( $\gamma < 0$ ). When  $\beta_i$  is lower than the “cost”  $-\gamma_i Z_i$ , individuals join the military, and otherwise they do not. In the following discussion, we will drop the subscript  $i$  for simplicity.

Under Assumptions A1-A4 in the paper (the IV assumptions), no one should have  $\gamma_H > 0$ . This is because, if this is the case, some individuals will have  $Y(1) - Y(0) + \gamma_H \geq 0$  when  $Z = 1$  (meaning they will not serve in military) and  $Y(1) - Y(0) < 0$  when  $Z = 0$  (meaning they will serve in military), thus implying a negative effect of the draft on military service for them. In other words, having  $\gamma_H > 0$  would violate the monotonicity assumption in A3 by allowing the existence of “defiers”, using the terminology of Angrist et al. (1996). Therefore, with assumptions A1-A4,  $\gamma$  is always negative for all individuals.

The *at* stratum must have a positive return to military service, meaning a negative value of  $\beta$  (e.g., less activity limitations), so that for them,  $Y(1) - Y(0) + \gamma Z$  is always negative.

The *nt* stratum must have a negative return to treatment, meaning a positive value of  $\beta$  (e.g., more activity limitations) and  $\beta \geq -\gamma_L$ . This is because *nt*'s need  $\beta$  to be sufficiently above zero to compensate for the impact of the IV so that  $Y(1) - Y(0) + \gamma Z$  is always non-negative.

Individuals in the *c* stratum switch to treatment only when the IV changes from 0 to 1. They must have  $\beta < -\gamma_L$  such that  $Z = 1$  will push them into military service; but they must also have  $\beta \geq 0$ , so that when  $Z = 0$ , they will not serve in the military.

We summarize the  $\beta$  values and counterfactual choices in Table E.1.

Table E.1: Counterfactual Choices and the “Gain” of Military Service ( $\gamma = \gamma_L < 0$ )

Stratum Type:	Volunteers ( <i>at</i> )	Compliers ( <i>c</i> )	Never takers ( <i>nt</i> )
	$\beta < 0$	$0 \leq \beta < -\gamma_L$	$\beta \geq -\gamma_L$
$Z = 0$	$D = 1$	$D = 0$	$D = 0$
$Z = 1$	$D = 1$	$D = 1$	$D = 0$

## E.2 Implication of Roy Model for Assumption A6

Following the Roy model in the previous subsection, men choose military service if their (net) health impact from military service is positive (improves health), meaning a negative effect on  $Y$  (e.g., less activity limitations). Expressed using potential outcomes and ignoring the costs  $\gamma_i$  for simplicity, this means that:

$$D = \mathbf{1}\{E[Y(1)] - E[Y(0)] < 0\} = \mathbf{1}\{E[Y(1)] < E[Y(0)]\} \quad (2)$$

For never takers, the Roy model implies that  $E[Y(1) - Y(0)|nt] \geq 0$ , which means they are better off not serving. For volunteers, the Roy model implies that  $E[Y(1) - Y(0)|at] < 0$ , which means they are better off serving in the military.

### Does the Roy model imply support or undermine Assumption A6?

Neither. Assumption A6 posits that  $E[Y(0)|nt] \geq E[Y(0)|at]$ . The Roy model implies  $E[Y(1)|nt] \geq E[Y(0)|nt]$  and  $E[Y(1)|at] < E[Y(0)|at]$  but **it does not** provide any implications for the relative magnitude between  $E[Y(0)|nt]$  and  $E[Y(0)|at]$ . Therefore, the Roy model is consistent with Assumption A6.

Note that the Roy model in section E.1 does not take into account the stringent medical and physical screening examinations that the U.S. military performed before induction. In the next section we consider this institutional feature within the Roy model and discuss implications for Assumption A6

## E.3 Implications of Adding the Medical and Physical Screening Examinations to the Roy Model

In this section, we discuss heuristically the consequences of incorporating the medical and physical screening examinations by the military into the Roy model in section E.1. We assume that only individuals with pre-induction health outcome  $Y^{pre}$  better than (i.e., smaller than) a threshold  $\tau$  are allowed to serve in the military. Since  $Y^{pre}$  is the individual’s health upon the induction to military service, it can be related to later health outcomes  $Y(0)$  through the documented correlation between adolescent health and adult health (e.g., Banks et al. 2012). Adding the medical examinations to the Roy model, we have:

$$D = 1 \text{ if } \{Y(1) - Y(0) < 0 \text{ and } Y^{pre} < \tau\}$$

$$D = 0 \text{ if } \{Y(1) - Y(0) \geq 0 \text{ or } Y^{pre} \geq \tau\}$$

Next, we discuss how the introduction of the physical and medical examinations would affect each of the stratum present in the Roy model in section E.1. First, we consider the individuals who would present for induction regardless of draft eligibility. In the absence of medical examinations, all of these individuals would serve, and therefore, they represent the volunteer (always takers) stratum

in the Roy model in section E.1. Denote this group of individuals by  $at^R$ . The main consequence of introducing the physical and medical examinations is that a fraction of the individuals who would present for induction regardless of draft eligibility—specifically, those with worse health than the threshold—do not pass the examinations and consequently do not serve. As a result, the group of individuals who present for induction, pass the examinations, and serve in the military regardless of draft eligibility will unambiguously have better average health than those in the  $at^R$  group. In other words, the group of always takers in a setting with medical examinations (denote it  $at^{RME}$ ) will have better average health at the time of induction than the group of always takers in the Roy model in section E.1 ( $at^R$ ) where medical examinations do not exist. Linking health at the time of induction to potential outcomes, we have that

$$E[Y(0)|at^R] \geq E[Y(0)|at^{RME}] \quad (3)$$

Note that the individuals who would present for induction regardless of draft eligibility and do not pass the examinations become never takers, as they do not serve regardless of draft eligibility. In the context of the stratification in terms of both veteran status and the decision to take the examinations in section 5.3.2 in the paper and further detailed in section F of this Appendix, these individuals belong to the  $ntSS$  stratum: individuals who take the examinations regardless of draft eligibility but do not serve (as they fail the examinations). Importantly, the health of these individuals will be below the pre-induction threshold.<sup>1</sup>

Second, we consider the group of individuals who would present for induction only if drafted. In the absence of medical examinations, these are the compliers in the Roy model in section E.1, and thus the individuals in this group who are drafted will present for induction and serve. For our purposes, the main consequence of introducing the physical and medical examinations is that, like for always takers, a fraction of the individuals who would present for induction and take the examinations only if drafted would not pass the examinations because of their health being worse than the threshold. As before, these individuals become never takers because, even if drafted, they will not be healthy enough to pass the examinations and serve. In the context of the stratification in terms of both veteran status and the decision to take the examinations in section 5.3.2 in the paper, these individuals belong to the  $ntNS$  stratum: individuals who take the examinations only if drafted but do not serve because of failing the examinations.

Finally, consider the individuals who would not present for induction, and thus do not serve, regardless of draft eligibility. They represent the never takers stratum in the Roy model in section E.1, call it  $nt^R$ . Note that in the absence of medical examinations, the only way to not serve if drafted is by obtaining an allowable deferment or undertaking draft avoidance behaviors. In the presence of medical examinations, these individuals would also obtain deferments or engage in draft avoidance behaviors if drafted to avoid serving. In the context of the stratification in terms of both veteran status and the decision to take the examinations in section 5.3.2 in the paper, these individuals belong to the  $ntNN$  stratum: individuals who do not take the examinations regardless of draft eligibility and therefore do not serve.<sup>2</sup> For the purposes of comparing the average health of the never

<sup>1</sup>In principle, in the presence of medical examinations some individuals who would present for induction regardless of draft eligibility in the absence of examinations ( $at^R$ ) and who have health worse than the threshold may decide not to present for induction if they know they will not pass the examinations. In such cases, it is likely that these individuals would present for induction only if drafted and would fail the examinations, thus becoming part of the  $ntNS$  stratum in the context of the stratification in section 5.3.2 in the paper (never takers who take the examinations only if drafted). For our purposes, the relevant feature is that these individuals would still become never takers and their health would be below the threshold.

<sup>2</sup>Note that the presence of medical examinations may make some individuals who are never takers in the absence of examinations ( $nt^R$ ) present for induction if drafted if they know that their health is bad enough that they will fail the

takers in the Roy model in section E.1 ( $nt^R$ ) to that of the never takers in a Roy model with medical examinations (call them  $nt^{RME}$ ), the important aspect is that the newly added individuals to the group of never takers in the presence of medical examinations do not pass the physical examinations due to worse health, and thus have  $Y^{pre} \geq \tau$ . Specifically, these are the individuals who take and fail the examinations regardless of draft eligibility (the  $ntSS$  stratum), and the individuals who would take and fail the examinations only if drafted (the  $ntNS$  stratum).<sup>3</sup> As a result, unless the average health of the individuals in the  $nt^R$  group is already worse than the threshold, the average health of the never takers in a Roy model with medical examinations ( $nt^{RME}$ ) would be worse than the average health of the never takers in the Roy model in section E.1 ( $nt^R$ ).<sup>4</sup> Therefore, linking health at the time of induction to potential outcomes, we have that

$$E[Y(0)|nt^R] \leq E[Y(0)|nt^{RME}] \quad (4)$$

In sum, the Roy model with medical and physical screening examinations makes Assumption A6 more plausible relative to the Roy model without these examinations, as the average health of always takers at the time of induction is better than in the absence of medical and physical screening examinations, whereas the average health of never takers is worse. This makes it more likely that  $E[Y(0)|nt] \geq E[Y(0)|at]$  in the presence of medical examinations (see equations (3) and (4)), given the strong association between early-life health and health later in life (e.g., Banks et al., 2012). To be clear, Assumption A6 is not implied by the Roy model with medical and physical screening examinations. This is because the examinations do not result in any sharp implications for the average potential outcomes under no military service (or  $Y(0)$ ) between never takers and volunteers.

## E.4 Conclusion

To summarize, the Roy model does not offer sharp predictions as to the validity of Assumption A6. Therefore, the Roy model is consistent with Assumption A6. Incorporating into the Roy model the institutional feature of the medical and physical screening examinations by the U.S. military makes Assumption A6 more plausible. However, this extended Roy model does not imply Assumption A6—the model is consistent with Assumption A6. The main reason is that these models do not provide sharp implications about the relative average health between always takers and never takers under no military service. Therefore, the plausibility of Assumption A6 is an empirical question. In Appendix F, we present an empirical analysis rooted on principal stratification to encompass selection into the military and selection into taking the examinations. The main insights of which are discussed in

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examinations and thus not serve. In such cases, these individuals would become part of the  $ntNS$  stratum. For us, the key point is that these individuals would still be never takers and their health would be worse than the threshold.

<sup>3</sup>Recall from the stratification in section 5.3.2 of the paper, that the group of never takers in the presence of medical examinations ( $nt^{RME}$ ) comprises three strata:  $ntSS$ ,  $ntNS$  and  $ntNN$ .

<sup>4</sup>For completeness, note that in principle there could be some individuals in the group of compliers and never takers ( $nt^R$ ) in the absence of medical examinations who, in the presence of medical examinations, if they were to be drafted they may hurt themselves or bribe doctors to certify a bogus medical condition to fail the examinations and avoid serving. In the context of the stratification in section 5.3.2 of the paper, these individuals would belong to the  $ntNS$  stratum. As these individuals' health may not be worse than the threshold if not drafted, it is ambiguous whether adding them to the group of never takers in the presence of medical examinations ( $nt^{RME}$ ) would worsen the average health of the latter group. However, the number of these individuals is likely very small relative to the other individuals added to the  $nt^{RME}$  group. While there is anecdotal evidence that those types of individuals existed (e.g., Baskir and Strauss, 1978), it is highly unlikely that there were so many of them as to reverse the conclusion that the average health of the never takes in the presence of medical examinations ( $nt^{RME}$ ) is worse than that of the never takers without medical examinations ( $nt^R$ ) given the discussion and empirical evidence presented in section 5.3.2 of the paper (e.g., the bounds on the proportions of the strata  $ntSS$ ,  $ntNS$  and  $ntNN$ ; see also Table F.2 in this Appendix.)

section 5.3.2 of the paper.

## F Principal Stratification with Endogenous Decision to Take the Medical and Physical Screening Examinations

In this appendix, we use principal stratification to model both the selection-into-military service and the endogenous choice to take the medical and physical screening examinations performed by the US military before enlisting individuals. The goal is to shed light on the plausibility of Assumption A6, which relates the average health of never takers and volunteers under no military service:  $E[Y(0)|nt] \geq E[Y(0)|at]$ . This appendix contains the details on how we bound the “weights” for the different strata of never takers that were reported in Section 5.3.2 of the paper, which take into account the endogenous choice to take the medical and physical screening examinations.

### F.1 Notation, Additional Assumptions, and Principal Stratification

We follow the same notation and assumptions employed in the paper. Hence, let  $D$  denote the military service indicator, and  $Z$  the eligibility-to-draft indicator. As in the paper, we introduce the following notation to apply principal stratification to the endogenous choice of taking the medical and physical screening examinations. Let  $S$  denote whether the individual decides to take the examinations, and let  $S(z)$  be the associated potential values as a function of eligibility to draft  $Z$ . As discussed in the paper, we make use of two additional assumptions to model the endogenous decision to take the medical examinations in the analysis herein. The **first additional assumption** we employ is monotonicity of  $Z$  on  $S$  (which is analogous to Assumption A3 in the paper and is similarly justified). The **second additional assumption** is that never takers who obtain deferments or engage in draft-avoidance behaviors do not do so *after* having passed the examinations.<sup>5</sup>

Under monotonicity of  $Z$  on  $S$ , there are three principal strata with respect to  $S$ :  $NN$  (respectively,  $SS$ ) comprises individuals who would never (always) take the examinations regardless of draft eligibility; and  $NS$  comprises individuals who would take the examinations only if drafted. Stratifying the population in terms of *both*  $D$  and  $S$  results in the following stratification:  $\{nt, at, c\} \times \{NN, SS, NS\}$ , where, for example, the stratum  $ntNN$  comprises never takers who, regardless of draft eligibility, decide to never take the examinations. Comparisons of individuals within strata are free of endogeneity biases, just as with the compliance types in IV analysis (Angrist et al., 1996).

Note that, since volunteers (always takers) would serve in the military regardless of their eligibility to draft status, they would also choose to take the medical examinations—and would pass them—regardless of their eligibility to draft status. Therefore, strata  $atNN$  and  $atNS$  do not exist. Since compliers would only serve in the military (and henceforth, take the medical examinations) when they are eligible-to-draft, strata  $cNN$  and  $cSS$  do not exist. Note that compliers would pass the medical examinations if they take them, as they serve if drafted. Therefore, the principal stratification  $\{nt, at, c\} \times \{NN, SS, NS\}$  reduces to the following five strata:  $ntSS$ ,  $ntNS$ ,  $ntNN$ ,  $atSS$  and  $cNS$ . Table F.1 shows the five strata as a function of the observed values of  $Z$ ,  $S$ , and  $D$ .

<sup>5</sup>Both of these assumptions are likely mild. The monotonicity assumption is justified along the same lines as the justification of Assumption A3 (monotonicity of  $Z$  on  $D$ ). The second assumption is natural since deferments and draft avoidance would likely happen before engaging with the military by taking the medical and physical examinations. Indeed, the steps in the conscription process (see, e.g., Shapiro and Striker, 1970; 32 C.F.R. §§1622.2, 1623.2) provide for opportunities to obtain deferments before undergoing the examinations. Moreover, for men undertaking draft avoidance actions, it does not seem desirable to present themselves for pre-induction and induction, take the examinations, and subsequently engage in draft avoidance actions.

Finally, for the analysis below it is useful to let  $W$  be a binary indicator equal to one if the individual passes the medical and physical screening examinations, and zero otherwise.

Table F.1: Strata and Observed Values of ( $Z$ ,  $D$ ,  $S$ )

	$Z = 0$		$Z = 1$	
	$S$	$D$	$S$	$D$
$ntSS$	1	0	1	0
$ntNN$	0	0	0	0
$ntNS$	0	0	1	0
$atSS$	1	1	1	1
$cNS$	0	0	1	1

## F.2 Relating the Proportions of $ntNN$ , $ntNS$ , and $ntSS$ to Other Stratum Proportions and Probabilities

Assumption A6 states that  $E[Y(0)|nt] \geq E[Y(0)|at]$ , which means that the never takers do not have better average health potential outcomes than the volunteers in the absence of military service for both groups. In the paper, we discuss that, by implication of the medical and physical screening examinations undertaken by the U.S. military, the average health of the volunteers at the time of the draft is above the threshold implied by said examinations. Given that the average health of the never takers at the time of the draft will be a weighted-average of the average health of the three strata of never takers ( $ntNN$ ,  $ntNS$ , and  $ntSS$ ), quantifying these three strata proportions in the overall group of never takers will help to illuminate the plausibility of Assumption A6. In this section, we relate the proportions of the  $ntNN$ ,  $ntNS$ , and  $ntSS$  strata to other stratum proportions and, importantly, to probabilities and conditional probabilities that are possible to quantify given the available data.

Let  $\pi$  denote population stratum proportions. The principal stratification in the previous subsection, illustrated in Table F.1, implies that the relation between the five principal strata with respect to both  $S$  and  $D$  ( $ntSS$ ,  $ntNS$ ,  $ntNN$ ,  $atSS$  and  $cNS$ ) and the three principal strata with respect to only  $D$  ( $nt$ ,  $at$  and  $c$ ) is:  $\pi_{nt} = \pi_{ntNN} + \pi_{ntSS} + \pi_{ntNS}$ ,  $\pi_{at} = \pi_{atSS}$ , and  $\pi_c = \pi_{cNS}$ . Similarly, the relation between the five strata in Figure F.1 and the three principal strata with respect to only  $S$  ( $NN$ ,  $SS$  and  $NS$ ) is:  $\pi_{NN} = \pi_{ntNN}$ ,  $\pi_{SS} = \pi_{ntSS} + \pi_{atSS}$ , and  $\pi_{NS} = \pi_{ntNS} + \pi_{cNS}$ .

To work towards quantifying the proportions of  $ntNN$ ,  $ntNS$ , and  $ntSS$ , we relate these proportions to other probabilities and population proportions. We can break down the probability of taking the medical examinations into the following:

$$\begin{aligned}
Pr(S = 1) &= Pr(Z = 0) \cdot \pi_{SS} + Pr(Z = 1) \cdot [\pi_{SS} + \pi_{NS}] \\
&= Pr(Z = 0) \cdot [\pi_{ntSS} + \pi_{atSS}] + Pr(Z = 1) \cdot [\pi_{ntSS} + \pi_{atSS} + \pi_{ntNS} + \pi_{cNS}] \\
&= Pr(Z = 0) \cdot \pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntSS} + Pr(Z = 0) \cdot \pi_{atSS} + Pr(Z = 1) \cdot \pi_{atSS} \quad (5) \\
&\quad + Pr(Z = 1) \cdot [\pi_{ntNS} + \pi_{cNS}] \\
&= \pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS} + \pi_{atSS} + Pr(Z = 1) \cdot \pi_c
\end{aligned}$$

For the first two terms in the last line in equation (5),  $nt$  will fail the examinations if they take them (since they do not serve, and under the second additional assumption in section F.1); while  $at$

and  $c$  will pass the examinations if they take them (since they serve). Hence, we can write:<sup>6</sup>

$$Pr(S = 1 \cap W = 0) = Pr(S = 1 \cap nt) = \pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS} \quad (6)$$

and,

$$Pr(S = 1 \cap W = 1) = Pr(S = 1 \cap at) + Pr(S = 1 \cap c) = \pi_{at} + Pr(Z = 1) \cdot \pi_c \quad (7)$$

Using equation (6), we can write the probability of failing the examinations given that they are taken as:

$$Pr(W = 0|S = 1) = \frac{Pr(S = 1 \cap W = 0)}{Pr(S = 1)} = \frac{\pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS}}{Pr(S = 1)}, \quad (8)$$

and using equation (7), we can write the probability of passing the examinations given that they are taken as:

$$Pr(W = 1|S = 1) = \frac{Pr(S = 1 \cap W = 1)}{Pr(S = 1)} = \frac{\pi_{at} + Pr(Z = 1) \cdot \pi_c}{Pr(S = 1)} \quad (9)$$

Using the second equality in equation (6), we can also derive the probabilities of taking and not taking the examinations given a person is a never taker:<sup>7</sup>

$$Pr(S = 1|nt) = \frac{Pr(S = 1 \cap nt)}{\pi_{nt}} = \frac{\pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS}}{\pi_{nt}} \quad (10)$$

and

$$Pr(S = 0|nt) = \frac{Pr(S = 0 \cap nt)}{\pi_{nt}} = \frac{\pi_{ntNN} + Pr(Z = 0) \cdot \pi_{ntNS}}{\pi_{nt}} \quad (11)$$

The expressions above will be used to quantify the stratum proportions of interest to learn about the average health of never takers at the time of the draft.

### F.3 Quantifying the Stratum Proportions of Interest: $\pi_{ntNN}$ , $\pi_{ntNS}$ , $\pi_{ntSS}$

We now use existing estimates of components in equations (8) to (11) to quantify the stratum proportions of interest  $\pi_{ntNN}$ ,  $\pi_{ntNS}$ , and  $\pi_{ntSS}$ . This allows us to assess the average health of never takers at the time of the draft. Given the strong association between early-life health and health later in life (e.g., Banks et al., 2012), this exercise allows us in turn to shed light on the plausibility of Assumption A6, which involves the average potential health of never takers and always takers in the absence of military service for both groups.

Based on the Semiannual Report of the Director of the Selective Service (Selective Service System, 1970, 1971a, 1971b, 1972a, 1972b, and 1973), the failing rate of the pre-induction medical and physical examinations in the three years of 1970, 1971, and 1972 are, respectively, 47.0%, 51.0%, and 57.3%. The failing rates of the induction medical and physical examinations are, respectively 20.5%, 27.4%, 35.9%. We use the *conservative* 47% pre-induction failing rate and the 21% induction failing rate to calculate:  $Pr(W = 0|S = 1) = 0.47 + [(1 - 0.47) * 0.21] = 0.58$  and  $Pr(W = 1|S = 1) = 1 - Pr(W = 0|S = 1) = 0.42$ .

Other estimates are taken or obtained from Table B.1 in this Appendix. We observe 10,374 veterans in NHIS 1974-1981 from Table B.1.<sup>8</sup> Based on the estimated passing rate of the medical

<sup>6</sup>In equations (6) and (7), the first equality follows from the second additional assumption in section F.1.

<sup>7</sup>Note that, as expected,  $Pr(S = 1|nt) + Pr(S = 0|nt) = \frac{\pi_{ntSS} + Pr(Z=1) \cdot \pi_{ntNS} + \pi_{ntNN} + Pr(Z=0) \cdot \pi_{ntNS}}{\pi_{nt}} = \frac{\pi_{nt}}{\pi_{nt}} = 1$ .

<sup>8</sup>This number is obtained by multiplying the total number of observations by the fraction of veterans for whites and nonwhites in NHIS 1974-1981 from Table B.1, and then adding them up. Specifically, we calculate it as  $(29,081 \times 0.3178) + (4,022 \times 0.2814) = 10,374$ , where the first term corresponds to whites and the second to nonwhites.

and physical screening examinations, the number of people screened is  $\frac{10,374}{0.42} = 24,700$ . Therefore, the number of people who failed the examinations is  $24,700 - 10,374 = 14,326$ . Note that all of these 14,326 individuals are never takers who decided to take the examinations. The total number of never takers in NHIS 1974-1981 is  $\pi_{nt} * 33,103 = 0.60 * 33,103 = 19,862$ , where 33,103 is the total number of observations in NHIS 1974-1981.<sup>9</sup> Therefore, the proportion of never takers who took the test is  $Pr(S = 1|nt) = 14,326/19,862 = 72.1\%$ , and the proportion who did not take the test is  $Pr(S = 0|nt) = 1 - Pr(S = 1|nt) = 1 - 0.721 = 0.279$  or 27.9%. Further, given that 24,700 men took the examinations, we have  $Pr(S = 1) = \frac{24,700}{33,103} = 74.6\%$ .

Summarizing the information we have as a function of the stratum proportions of interest:

$$Pr(W = 0|S = 1) = \frac{\pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS}}{Pr(S = 1)} = 0.58 \quad (12)$$

$$Pr(W = 1|S = 1) = \frac{\pi_{at} + Pr(Z = 1) \cdot \pi_c}{Pr(S = 1)} = 0.42 \quad (13)$$

$$Pr(S = 1|nt) = \frac{\pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS}}{\pi_{nt}} = 0.721 \quad (14)$$

$$Pr(S = 0|nt) = \frac{\pi_{ntNN} + Pr(Z = 0) \cdot \pi_{ntNS}}{\pi_{nt}} = 0.279 \quad (15)$$

$$Pr(S = 1) = 0.746 \quad (16)$$

$$Pr(S = 0) = 0.254 \quad (17)$$

In addition, using equation (14) and the estimated proportion of  $\pi_{nt} = 0.60$ , we can write:

$$\pi_{ntSS} + Pr(Z = 1) \cdot \pi_{ntNS} = Pr(S = 1|nt) \cdot \pi_{nt} = 0.721 \times 0.60 = 0.433 \quad (18)$$

and from equation (15) and  $\pi_{nt} = 0.60$  we have

$$\pi_{ntNN} + Pr(Z = 0) \cdot \pi_{ntNS} = Pr(S = 0|nt) \cdot \pi_{nt} = 0.279 \times 0.60 = 0.167 \quad (19)$$

Note that, as required by the properties of probabilities,  $0.433 + 0.167 = 0.6$  (the proportion of never takers).

### **Bounding $\pi_{ntSS}$ , $\pi_{ntNN}$ , and $\pi_{ntNS}$**

The information above can be used to bound the stratum proportions of interest having in mind the properties of probabilities.<sup>10</sup>

i. If  $\pi_{ntSS} = 0$ , then,

$$- \text{Equation (18) gives } Pr(Z = 1) \cdot \pi_{ntNS} = 0.4381 \times \pi_{ntNS} = 0.433 \text{ and } \pi_{ntNS} = 0.988.$$

<sup>9</sup>The proportion of never takers in the population ( $\pi_{nt}$ ) is obtained as a weighted average of the estimated proportions of never takers for whites and nonwhites reported in Table B.1, with weights given by the fraction of whites and nonwhites in NHIS 1974-1981 (respectively,  $\frac{29,081}{33,103} = 0.8785$  and  $\frac{4,022}{33,103} = 0.1215$ ). Specifically,  $\pi_{nt} = (0.8785 \times 0.5899) + (0.1215 \times 0.6682) = 0.60$ . Other proportion estimates that combine estimates for whites and nonwhites are similarly obtained.

<sup>10</sup>Using the information in Table B.1, note that in NHIS 1974-1981  $Pr(Z = 1) = 0.4381$  and hence  $Pr(Z = 0) = 0.5619$ .

- Using equation (19),  $\pi_{ntNN} + Pr(Z = 0) \cdot \pi_{ntNS} = \pi_{ntNN} + 0.5619 \times 0.988 = 0.167$  and  $\pi_{ntNN} = -0.388$ . But since  $\pi_{ntNN}$  cannot be negative (should at least be 0), this implies that  $\pi_{ntSS}$  cannot be zero.
- ii. If  $\pi_{ntNS} = 0$ , then,
  - From equation (18),  $\pi_{ntSS} = 0.433$ ; and from equation (19),  $\pi_{ntNN} = 0.167$ .
- iii. If  $\pi_{ntNN} = 0$ , then,
  - Based on equation (19),  $\pi_{ntNS} = \frac{0.167}{Pr(Z=0)} = \frac{0.167}{0.5619} = 0.297$
  - Then, using equation (18),  $\pi_{ntSS} = 0.433 - 0.4381 \times 0.297 = 0.303$ .

Summarizing the implications of the cases above, we have the bounds for  $\pi_{ntSS}$ ,  $\pi_{ntNN}$ , and  $\pi_{ntNS}$  presented in Table F.2. The first column of the table provides the bounds relative to the male population, while the second column scales these to make them relative to the subpopulation of never takers. The latter are the bounds described in section 5.3.2 in the paper.

Table F.2: Bounds on the Proportion of the Strata  $ntNN$ ,  $ntSS$ , and  $ntNS$  Relative to the Population and All Never Takers

	Proportion in the Population	Proportion Among the Never Takers (Proportion in the Population Divided by $\pi_{nt}$ )
$ntNN$	[0, 0.167]	[0, 0.278]
$ntSS$	[0.303, 0.433]	[0.505, 0.721]
$ntNS$	[0, 0.297]	[0, 0.495]

As discussed in section 5.3.2 in the paper, the strata  $ntSS$  and  $ntNS$  have worse average health than volunteers at the time of the draft. For the stratum  $ntNN$ , it is hard to say whether they have better, worse or similar health relative to the volunteers at the time of the draft, given that they do not take the medical and physical screening examinations and the actions taken to avoid them can improve or harm their health. Thus, it is relevant that  $\pi_{ntNN}$  can be *at most* 27.8% of the group of never takers. Moreover,  $\pi_{ntNN}$  is likely lower than the upper bound of 27.8% because reaching this high value would require that  $\pi_{ntNS} = 0$  (case ii above), which would rule out the existence of never takers who would take the examinations only if drafted. In other words, it would require that all individuals who would present for induction and take the medical examinations only if drafted would pass them (so that  $\pi_{NS} = \pi_{ntNS} + \pi_{cNS} = \pi_{cNS}$ ), which seems highly unlikely.

In conclusion, this analysis sheds light on the plausibility of Assumption A6, as the only stratum of never takers that could potentially have better health than volunteers at the time of the draft represents a relatively small proportion of never takers. Therefore, the average health of the  $ntNN$  stratum would have to be substantially better than that of the volunteers to push the overall average health of never takers above that of volunteers, which seems very unlikely. As a result, it is very likely that the group of never takers as a whole has lower average health relative to the group of volunteers at the time of the draft.<sup>11</sup> Given the strong association between early-life health and health later in life (e.g., Banks et al., 2012), we would expect the average potential health outcomes of volunteers,

<sup>11</sup>This conclusion is consistent with the extant literature arguing that individuals who self-select into the military are “positively selected” in the sense that they are healthier on average than individuals who do not self-select into the military (e.g., Seltzer and Jablon, 1974; Bedard and Deschênes, 2006; Eisenberg and Rowe, 2009).

had they not served, to be no worse than that of never takers, lending support to assumption A6. Consequently, as discussed in the paper, we regard assumption A6 as plausible given the available data and the institutional context.