

# **SUPPLEMENTAL MATERIAL**

**Table S1. Unadjusted mean of total healthcare expenditures with and without hypertension among adults (in 2016 USD), MEPS 2003-2014.**

<b>Costs</b>	<b>Hypertension Mean (\$)</b>	<b>95% CI</b>	<b>No- Hypertension Mean (\$)</b>	<b>95% CI</b>	<b>P value *</b>
<b>Total costs</b>					
2003/06	9,150	8,845–9,455	3,981	3,788–4,174	<0.001
2007/10	9,082	8,811–9,352	4,120	3,978–4,262	<0.001
2011/14	9,050	8,712–9,388	4,422	4,243–4,601	<0.001
<i>Pooled sample</i>	<i>9,089</i>	<i>8,900–9,278</i>	<i>4,172</i>	<i>4,066–4,277</i>	<i>&lt;0.001</i>
<b>Inpatient</b>					
2003/06	2,867	2,683–3,050	1,103	974–1,272	<0.001
2007/10	2,787	2,609–2,965	1,047	955–1,139	<0.001
2011/14	2,579	2,367–2,791	1,127	1,027–1,227	<0.001
<i>Pooled sample</i>	<i>2,731</i>	<i>2,614–2,847</i>	<i>1,093</i>	<i>1,028–1,157</i>	<i>&lt;0.001</i>
<b>Outpatient</b>					
2003/06	2734	2,605–2,863	1,425	1,377–1,473	<0.001
2007/10	2,793	2,671–2,915	1,569	1,502–1,637	<0.001
2011/14	2,830	2,709–2,951	1,638	1,572–1,705	<0.001
<i>Pooled sample</i>	<i>2,791</i>	<i>2,716–2,866</i>	<i>1,542</i>	<i>1,504–1,580</i>	<i>&lt;0.001</i>
<b>Medications</b>					
2003/06	2,430	2,344–2,517	726	695–758	<0.001
2007/10	2,308	2,231–2,385	812	773–852	<0.001
2011/14	2,384	2,270–2,499	909	820–998	<0.001
<i>Pooled sample</i>	<i>2,371</i>	<i>2,312–2,430</i>	<i>814</i>	<i>779–850</i>	<i>&lt;0.001</i>
<b>Emergency Room</b>					
2003/06	242	223–261	163	154–172	<0.001
2007/10	280	260–300	187	174–200	<0.001
2011/14	317	298–336	219	204–233	<0.001
<i>Pooled sample</i>	<i>283</i>	<i>272–295</i>	<i>189</i>	<i>182–196</i>	<i>&lt;0.001</i>
<b>Home Health</b>					
2003/06	351	307–396	135	31–238	<0.001
2007/10	391	326–457	84	63–105	<0.001
2011/14	447	367–527	105	73–137	<0.001
<i>Pooled sample</i>	<i>401</i>	<i>358–444</i>	<i>108</i>	<i>70–146</i>	<i>&lt;0.001</i>
<b>Others</b>					
2003/06	523	496–550	427	413–441	<0.001
2007/10	520	496–543	418	403–433	<0.001
2011/14	491	466–515	422	403–440	<0.001
<i>Pooled sample</i>	<i>510</i>	<i>494–525</i>	<i>422</i>	<i>413–432</i>	<i>&lt;0.001</i>

\*All comparisons significant at p<0.001

**Table S2. Two-part regression model: Incremental effects of healthcare expenditures among adults with hypertension, adjusted for comorbid conditions (in 2016 USD).**

<b>Variables*</b>	<b>Incremental Cost</b>	<b>95% CI</b>	<b>P-value</b>
<b>Primary independent variable</b>			
No-Hypertension (Ref.)	–	–	
Hypertension	1,866	1,676–2,056	<0.001
<b>Covariates</b>			
Age 18-44 years (Ref.)	–	–	
Age 45-64 years	1,782	1,569–1,996	<0.001
Age 65-85 years	2,279	2,028–2,530	<0.001
Male (Ref.)	–	–	
Female	1,318	1,220–1,517	<0.001
Non-Hispanic White (Ref.)	–	–	
Non-Hispanic Black	-643	-921– -365	<0.001
Hispanic	-1,279	-1,534– -1,023	<0.001
Others	-1,048	-1,552– -543	<0.001
Married (Ref.)	–	–	
Non-married †	-114	-315– 85	0.260
Never married	-641	-897– -384	<0.001
<High School (Ref.)	–	–	
High school	121	-279–522	0.552
College or more	510	99–921	0.015
Private (Ref.)	–	–	
Public insured	805	504–1,107	<0.001
Uninsured	-3,299	-3,502– -3,096	<0.001
Northeast (Ref.)	–	–	
Midwest	142	-175–460	0.379
South	-399	-683 --116	0.006
West	49	-319–418	0.792
Poor income (Ref.)	–	–	
Low income	-845	-1,201– -489	<0.001
Middle income	-1,109	-1,434– -783	<0.001
High income	-980	-1,326– -633	<0.001
No Myocardial infarct (Ref.)	–	–	
Myocardial infarct	5,442	4,516–6,367	<0.001
No Congestive heart failure (Ref.)	–	–	
Congestive heart failure	6,549	5,546–7,552	<0.001
No Peripheral vascular disease (Ref.)	–	–	
Peripheral vascular disease	7,308	5,857–8,758	<0.001

No Dementia (Ref.)			
Dementia	3,399	2,131–4,667	<0.001
No Stroke (Ref.)			
Stroke	4,743	3,922–5,565	<0.001
No Chronic pulmonary disease (Ref.)			
Chronic pulmonary disease	3,117	2,343–3,891	<0.001
No Connective tissue disease (Ref.)			
Connective tissue disease	3,719	2,998–4,439	<0.001
No Ulcer disease (Ref.)			
Ulcer disease	4,364	2,727–6,000	<0.001
No Mild liver disease (Ref.)			
Mild liver disease	8,408	1,925–14,890	0.011
No Hemiplegia (Ref.)			
Hemiplegia	2,694	2,152–3,236	<0.001
No Moderate or severe renal disease (Ref.)			
Moderate or severe renal disease	14,766	11,794–17,739	<0.001
No Diabetes (Ref.)			
Diabetes	3,222	2,916–3,529	<0.001
No Any tumor (Ref.)			
Any tumor	5,782	5,009–6,556	<0.001
No Leukemia (Ref.)			
Leukemia	12,551	7,158–17,945	<0.001
No Lymphoma (Ref.)			
Lymphoma	12,893	6,269–19,516	<0.001
No Moderate or severe liver disease (Ref.)			
Moderate or severe liver disease	4,687	2,480–6,894	<0.001
No Metastatic solid tumor (Ref.)			
Metastatic solid tumor	9,977	7,172–12,782	<0.001
Year 2003/06 (Ref.)	–	–	
Year 2007/10	-95	-302–111	0.364
Year 2011/14	154	-107–417	0.246

\* Primary outcome variable in this model is total health care expenditures

† Non-married includes widowed, separated, and/or divorced.