

Appendix
Cut points for Clinical Muscle Weakness Among Older Americans
Duchowny et al.

Appendix Table 1. Cut points and Prevalence Estimates for Clinical Muscle Weakness by Race/Sex in the Health and Retirement Study (HRS) (Walking Speed <0.6 m/s)

HRS total sample (N=7,688)								
Classification	White males (n=2,799)		Black males (n=383)		White women (n=3,829)		Black women (n=675)	
	Cut point (kg)	N (%)	Cut point (kg)	N (%)	Cut point (kg)	N (%)	Cut point (kg)	N (%)
Weak	<31	675 (25)	<39	213 (58)	<18	792 (22)	<25	318 (50)
Normal	≥31	2,075 (75)	≥39	155 (42)	≥18	2,887 (78)	≥25	317 (50)

Appendix
Cut points for Clinical Muscle Weakness Among Older Americans
Duchowny et al.

Appendix Table 2A. Diagnostic Properties for Grip Strength Cut points in the Prediction of Slow Walking Speed in the Health and Retirement Study

Slow walking speed (<0.8 m/s)									
White males (n=2,750)					Black males (n=368)				
Slow walking speed					Slow walking speed				
Weak		Yes	No	Total	Weak		Yes	No	Total
	Yes	953	678	1,631		Yes	190	33	223
	No	315	804	1,119		No	84	61	145
	Total	1,268	1,482	2,750		Total	274	94	368
Sensitivity	75.16			Sensitivity	69.34				
Specificity	54.25			Specificity	64.89				
White females (n=3,679)					Black females (n=635)				
Slow walking speed					Slow walking speed				
Weak		Yes	No	Total	Weak		Yes	No	Total
	Yes	1,296	498	1,794		Yes	494	63	557
	No	847	1,038	1,885		No	52	26	78
	Total	2,143	1,536	3,679		Total	546	89	635
Sensitivity	60.48			Sensitivity	90.48				
Specificity	67.58			Specificity	29.21				

Appendix
Cut points for Clinical Muscle Weakness Among Older Americans
Duchowny et al.

Appendix Table 2B. Diagnostic Properties for Grip Strength Cut points in the Prediction of Activities of Daily Living (ADLs) in the Health and Retirement Study

Activities of daily living (0 vs. 1+)									
White males					Black males				
ADLs (1+ vs. 0)					ADLs (1+ vs. 0)				
Weak		Yes	No	Total	Weak		Yes	No	Total
	Yes	288	1,343	1,631		Yes	45	178	223
	No	104	1,015	1,119		No	16	129	145
		392	2,358	2,750			61	307	368
	Sensitivity	73.47				Sensitivity	73.77		
	Specificity	43.04				Specificity	42.02		
White females					Black females				
ADLs (1+ vs. 0)					ADLs (1+ vs. 0)				
Weak		1	0	Total	Weak		1	0	Total
	Yes	400	1,394	1,794		Yes	159	398	557
	No	186	1,699	1,885		No	9	69	78
		586	3,093	3,679			168	467	635
	Sensitivity	68.26				Sensitivity	94.64		
	Specificity	54.93				Specificity	14.78		