

Table 11.4: Spirometry Results^{1,2}

Test Result	Total (N=639)	Age Group			Disability Level		
		65-74 (N=260)	75-84 (N=195)	85+ (N=184)	Moderate ³ (N=225)	ADL Difficulty	
						Receives No Help (N=319)	Receives Help (N=95)
Forced expiratory volume in the first second (FEV₁) (liters)							
Mean	1.4	1.5	1.4	1.2	1.5	1.5	1.4
5th percentile	0.7	0.8	0.7	0.7	0.7	0.7	0.7
25th percentile	1.1	1.1	1.1	1.0	1.1	1.1	1.0
50th percentile	1.4	1.6	1.4	1.2	1.4	1.4	1.3
75th percentile	1.7	1.9	1.7	1.5	1.8	1.8	1.5
95th percentile	2.2	2.3	2.1	1.8	2.2	2.2	2.1
Forced expiratory volume in 6 seconds (FEV₆) (liters)							
Mean	1.9	2.1	1.9	1.6	2.0	1.9	1.7
5th percentile	1.0	1.2	1.1	0.8	1.1	1.1	0.9
25th percentile	1.5	1.7	1.5	1.3	1.6	1.5	1.3
50th percentile	1.9	2.1	1.9	1.6	1.9	1.9	1.6
75th percentile	2.2	2.4	2.2	1.9	2.3	2.3	2.0
95th percentile	2.7	3.0	2.7	2.4	2.8	2.7	2.6
Forced vital capacity (FVC) (liters)							
Mean	2.0	2.1	2.0	1.6	2.1	2.0	1.8
5th percentile	1.1	1.3	1.1	0.8	1.1	1.1	0.9
25th percentile	1.5	1.7	1.6	1.4	1.6	1.6	1.3
50th percentile	1.9	2.1	1.9	1.7	2.0	2.0	1.6
75th percentile	2.3	2.5	2.3	2.0	2.4	2.4	2.1
95th percentile	3.0	3.3	2.9	2.5	3.0	3.0	2.8
FEV₁/FEV₆ (percent)							
Mean	75.7	74.5	75.4	79.8	74.9	75.1	79.6
5th percentile	55.6	53.0	56.5	60.5	52.9	55.8	62.7
25th percentile	70.6	70.7	69.5	71.4	69.2	70.2	73.6
50th percentile	76.2	76.3	75.6	76.4	75.2	76.2	78.7
75th percentile	81.4	80.9	81.5	83.1	80.6	80.9	87.3
95th percentile	97.5	89.6	100.0	100.0	95.0	97.3	100.0
FEV₁/FVC (percent)							
Mean	72.9	71.7	72.8	76.8	71.5	72.4	78.1
5th percentile	50.2	49.0	48.8	56.0	48.1	51.2	60.9
25th percentile	66.6	65.4	65.6	68.9	65.1	66.5	70.7
50th percentile	73.4	73.1	72.4	74.6	72.3	73.1	77.7
75th percentile	80.3	79.9	80.5	82.9	79.9	79.5	87.1
95th percentile	97.1	88.8	99.3	100.0	94.9	97.1	99.3
Percent of predicted FEV₁⁴							
Mean	78.3	76.7	79.2	81.3	76.9	80.2	75.6
5th percentile	41.9	40.7	40.0	45.4	43.1	40.9	42.1
25th percentile	62.6	61.4	63.6	66.2	60.2	65.2	61.6
50th percentile	80.7	79.4	80.0	83.3	78.9	83.6	75.5
75th percentile	95.6	92.1	97.4	101.0	93.6	98.3	91.1
95th percentile	116.4	112.1	114.5	121.5	114.2	116.9	113.3
Percent of predicted FVC⁵							
Mean	83.2	84.0	83.5	79.8	83.6	85.2	75.3
5th percentile	47.6	50.9	48.8	44.2	50.5	50.9	40.2
25th percentile	69.4	71.7	68.1	68.2	70.3	70.8	61.3
50th percentile	82.0	82.9	82.3	80.1	82.0	84.2	73.7
75th percentile	99.0	98.9	100.4	96.4	99.1	100.4	90.1
95th percentile	120.1	119.6	119.1	121.5	120.5	120.4	113.8

(Women's Health and Aging Study, physical assessment, 1992-1995)

¹ All variables have less than 1% missing data. Results are based on non-missing data.

² Descriptive statistics are based on weighted data.

³ No ADL difficulty; disabled in two or more domains (see Chapter 1).

⁴ FEV₁/predicted FEV₁.

⁵ FVC/predicted FVC.