

Peak Expiratory Flow Rate

Normal Values



Men

Height	1.6m - 5'3"	1.67m - 5'6"	1.75m - 5'9"	1.83m - 6'	1.90m - 6'3"
Age-Years	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale
15	485	498	511	524	535
20	540	555	571	586	598
25	575	591	608	624	637
30	594	611	628	645	659
35	601	618	636	653	666
40	599	615	633	650	664
45	590	606	623	640	653
50	575	591	608	624	637
55	557	572	588	603	616
60	536	550	566	581	593
65	513	527	542	556	567
70	490	503	517	530	541
75	466	478	491	503	514
80	442	453	465	477	487
85	418	429	440	451	460

In men, readings up to 100 L/min lower than predicted are within normal limits. For women, the equivalent figure is 85 L/min.

Values are derived from Caucasian populations.



Women

Height	1.52m - 5'	1.60m - 5'3"	1.67m - 5'6"	1.75m - 5'9"	1.83m - 6'
Age-Years	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale	PEF L/min EU Scale
15	385	394	402	411	418
20	409	419	428	437	445
25	422	433	441	451	459
30	427	437	446	456	465
35	425	436	445	454	463
40	420	431	439	449	457
45	412	422	431	440	448
50	401	411	419	428	436
55	389	399	407	415	423
60	376	385	393	401	408
65	362	371	378	386	393
70	348	356	363	371	378
75	334	342	348	355	362
80	320	327	334	340	346
85	306	313	319	325	331

Adapted by Clement Clarke for use with peak flow meters from Nunn & Gregg

BR Med j 1989;289; 1068-70

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Paediatric Normal Values

Height (m)	Height (ft)	Predicted EU PEFR (L/min)	Height (m)	Height (ft)	Predicted EU PEFR (L/min)
0.85	2'9"	87	1.30	4'3"	212
0.90	2'11"	95	1.35	4'5"	233
0.95	3'1"	104	1.40	4'7"	254
1.00	3'3"	115	1.45	4'9"	276
1.05	3'5"	127	1.50	4'11"	299
1.10	3'7"	141	1.55	5'1"	323
1.15	3'9"	157	1.60	5'3"	346
1.20	3'11"	174	1.65	5'5"	370
1.25	4'1"	192	1.70	5'7"	393

Normal PEF values in children correlate best with height; with increasing age, larger differences occur between the sexes.

These predicted values are based on the formulae given in

Lung Function by J.E. Cotes (Sixth Edition),

adapted for Mini-Wright peak flow meters by Clement Clarke.



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