

Sitting without support

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	115 (112, 118)	3.8 (3.7, 3.9)
3 rd	125 (123, 128)	4.1 (4.0, 4.2)
5 th	131 (128, 134)	4.3 (4.2, 4.4)
10 th	140 (138, 143)	4.6 (4.5, 4.7)
25 th	158 (155, 160)	5.2 (5.1, 5.3)
50th	179 (177, 181)	5.9 (5.8, 6.0)
75 th	204 (201, 207)	6.7 (6.6, 6.8)
90 th	229 (225, 233)	7.5 (7.4, 7.6)
95 th	245 (240, 250)	8.0 (7.9, 8.2)
97 th	256 (251, 262)	8.4 (8.2, 8.6)
99 th	279 (272, 286)	9.2 (8.9, 9.4)
Mean (SD)	182 (35)	6.0 (1.1)

Standing with assistance

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	147 (144, 151)	4.8 (4.7, 5.0)
3 rd	160 (156, 163)	5.2 (5.1, 5.4)
5 th	167 (164, 170)	5.5 (5.4, 5.6)
10 th	178 (175, 182)	5.9 (5.8, 6.0)
25 th	200 (197, 203)	6.6 (6.5, 6.7)
50th	226 (223, 229)	7.4 (7.3, 7.5)
75 th	256 (253, 260)	8.4 (8.3, 8.5)
90 th	287 (282, 292)	9.4 (9.3, 9.6)
95 th	307 (301, 313)	10.1 (9.9, 10.3)
97 th	320 (314, 327)	10.5 (10.3, 10.7)
99 th	348 (339, 356)	11.4 (11.1, 11.7)
Mean (SD)	230 (43)	7.6 (1.4)

Hands-and-knees crawling

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	157 (152, 162)	5.2 (5.0, 5.3)
3 rd	177 (172, 181)	5.8 (5.7, 5.9)
5 th	187 (183, 191)	6.1 (6.0, 6.3)
10 th	202 (198, 206)	6.6 (6.5, 6.8)
25 th	226 (223, 229)	7.4 (7.3, 7.5)
50th	254 (250, 257)	8.3 (8.2, 8.4)
75 th	284 (280, 289)	9.3 (9.2, 9.5)
90 th	319 (313, 325)	10.5 (10.3, 10.7)
95 th	345 (337, 352)	11.3 (11.1, 11.6)
97 th	364 (355, 373)	12.0 (11.7, 12.3)
99 th	409 (397, 422)	13.5 (13.0, 13.9)
Mean (SD)	259 (51)	8.5 (1.7)

Walking with assistance

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	181 (176, 186)	5.9 (5.8, 6.1)
3 rd	200 (196, 205)	6.6 (6.4, 6.7)
5 th	210 (206, 214)	6.9 (6.8, 7.0)
10 th	225 (222, 229)	7.4 (7.3, 7.5)
25 th	249 (246, 252)	8.2 (8.1, 8.3)
50th	275 (272, 278)	9.0 (8.9, 9.1)
75 th	304 (300, 308)	10.0 (9.9, 10.1)
90 th	336 (331, 341)	11.0 (10.9, 11.2)
95 th	360 (353, 367)	11.8 (11.6, 12.0)
97 th	378 (370, 386)	12.4 (12.1, 12.7)
99 th	418 (407, 429)	13.7 (13.4, 14.1)
Mean (SD)	279 (45)	9.2 (1.5)

Percentiles and mean in days and months for six gross motor milestones



Standing alone

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	211 (205, 217)	6.9 (6.7, 7.1)
3 rd	235 (230, 241)	7.7 (7.6, 7.9)
5 th	248 (243, 253)	8.1 (8.0, 8.3)
10 th	266 (262, 271)	8.8 (8.6, 8.9)
25 th	296 (292, 300)	9.7 (9.6, 9.9)
50th	330 (326, 333)	10.8 (10.7, 11.0)
75 th	367 (362, 371)	12.0 (11.9, 12.2)
90 th	408 (401, 415)	13.4 (13.2, 13.6)
95 th	438 (429, 447)	14.4 (14.1, 14.7)
97 th	461 (451, 472)	15.2 (14.8, 15.5)
99 th	514 (500, 529)	16.9 (16.4, 17.4)
Mean (SD)	334 (57)	11.0 (1.9)

Walking alone

Percentile	Days (95% C.I.)	Months ¹ (95% C.I.)
1 st	250 (244, 256)	8.2 (8.0, 8.4)
3 rd	274 (269, 279)	9.0 (8.8, 9.2)
5 th	286 (281, 291)	9.4 (9.2, 9.6)
10 th	304 (300, 309)	10.0 (9.9, 10.1)
25 th	333 (330, 337)	11.0 (10.8, 11.1)
50th	365 (362, 369)	12.0 (11.9, 12.1)
75 th	400 (395, 404)	13.1 (13.0, 13.3)
90 th	438 (432, 444)	14.4 (14.2, 14.6)
95 th	466 (458, 474)	15.3 (15.0, 15.6)
97 th	487 (478, 497)	16.0 (15.7, 16.3)
99 th	534 (521, 547)	17.6 (17.1, 18.0)
Mean (SD)	368 (54)	12.1 (1.8)

¹ The calculation in months involves the division of the estimate in days by 30.4375.

Reference: WHO Multicentre Growth Reference Study Group. WHO Motor Development Study: Windows of achievement for six gross motor development milestones. Acta Paediatrica Supplement 2006;450:86-95.