

**Table 2.20(d)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Edinburgh (1982–2011)

Temperature / °C	Percentage frequency for stated range of wind speed / m·s <sup>-1</sup>																
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30	30–32	All speeds
<b>Annual average</b>																	
–12 to –10.1	0.03	0.00															0.03
–10 to –8.1	0.07	0.01															0.08
–8 to –6.1	0.14	0.02															0.16
–6 to –4.1	0.34	0.04	0.00	0.00	0.00												0.39
–4 to –2.1	0.74	0.18	0.03	0.00	0.00		0.00										0.96
–2 to –0.1	1.53	0.62	0.23	0.07	0.02	0.01	0.00										2.49
0 to 1.9	2.21	1.58	0.97	0.48	0.16	0.04	0.01										5.44
2 to 3.9	2.37	2.40	1.96	1.26	0.50	0.16	0.06	0.01	0.00	0.00							8.72
4 to 5.9	2.54	2.93	2.74	1.73	0.73	0.27	0.09	0.02	0.00	0.01							11.07
6 to 7.9	2.48	3.32	3.24	2.16	1.02	0.41	0.12	0.04	0.01	0.01							12.78
8 to 9.9	2.47	3.58	3.41	2.37	1.15	0.51	0.16	0.04	0.01	0.00	0.00						13.71
10 to 11.9	2.50	3.75	3.42	2.37	1.14	0.47	0.17	0.05	0.00								13.87
12 to 13.9	2.18	3.74	3.13	1.99	0.78	0.27	0.08	0.01	0.00								12.18
14 to 15.9	1.34	2.69	2.47	1.55	0.58	0.13	0.03	0.00									8.77
16 to 17.9	0.61	1.58	1.69	1.06	0.32	0.07	0.01	0.00									5.33
18 to 19.9	0.24	0.79	0.82	0.51	0.12	0.02	0.00										2.50
20 to 21.9	0.09	0.37	0.35	0.13	0.03	0.00											0.97
22 to 23.9	0.03	0.16	0.13	0.03	0.00	0.00											0.35
24 to 25.9	0.01	0.05	0.05	0.02													0.12
26 to 27.9	0.00	0.01	0.01	0.01													0.03
28 to 29.9		0.00	0.01	0.00													0.01
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	21.94	27.82	24.63	15.74	6.56	2.36	0.72	0.17	0.03	0.01	0.00						99.99
<b>Spring average</b>																	
–12 to –10.1	0.01																0.01
–10 to –8.1	0.02																0.02
–8 to –6.1	0.02	0.01															0.03
–6 to –4.1	0.07	0.03															0.10
–4 to –2.1	0.37	0.12	0.01														0.49
–2 to –0.1	1.06	0.43	0.20	0.03	0.01												1.72
0 to 1.9	1.87	1.25	0.89	0.39	0.09	0.01											4.51
2 to 3.9	2.47	2.53	2.06	1.53	0.52	0.15	0.06	0.01		0.00							9.34
4 to 5.9	3.32	4.23	3.78	2.33	0.93	0.27	0.08	0.01	0.00	0.01							14.96
6 to 7.9	3.60	5.67	5.30	3.13	1.25	0.44	0.10	0.02	0.00	0.01							19.52
8 to 9.9	2.78	5.49	5.70	3.68	1.50	0.61	0.20	0.03	0.00								19.99
10 to 11.9	1.55	3.56	3.90	3.29	1.52	0.57	0.10	0.02									14.52
12 to 13.9	0.70	2.11	2.45	2.00	0.94	0.27	0.08	0.01									8.54
14 to 15.9	0.34	1.08	1.21	0.93	0.34	0.08	0.02										4.00
16 to 17.9	0.12	0.41	0.56	0.29	0.06	0.01											1.44
18 to 19.9	0.05	0.21	0.18	0.08	0.01												0.53
20 to 21.9	0.03	0.09	0.08	0.02	0.01												0.22
22 to 23.9	0.01	0.03	0.03	0.01	0.00												0.08
24 to 25.9		0.00	0.00	0.01													0.01
26 to 27.9			0.00	0.01													0.01
28 to 29.9																	
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	18.38	27.23	26.36	17.71	7.17	2.39	0.64	0.10	0.01	0.02							100.00

Table continues

**Table 2.20(d)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Edinburgh (1982–2011) — *continued*

Temperature / °C	Percentage frequency for stated range of wind speed / m·s <sup>-1</sup>															All speeds	
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30		30–32
<b>Summer average</b>																	
–12 to –10.1																	0.01
–10 to –8.1																	0.01
–8 to –6.1																	0.01
–6 to –4.1																	0.01
–4 to –2.1																	0.01
–2 to –0.1																	0.01
0 to 1.9	0.01																0.01
2 to 3.9	0.10	0.01	0.00														0.11
4 to 5.9	0.46	0.11	0.01														0.58
6 to 7.9	1.34	0.63	0.24	0.06	0.01	0.00	0.00										2.29
8 to 9.9	2.78	2.36	1.35	0.39	0.07	0.01											6.96
10 to 11.9	4.89	5.61	3.86	1.48	0.29	0.04	0.02										16.18
12 to 13.9	5.49	8.30	5.82	2.66	0.56	0.08	0.01										22.91
14 to 15.9	4.02	7.37	6.05	3.26	1.01	0.13	0.02										21.87
16 to 17.9	1.96	4.94	4.94	2.97	0.84	0.15	0.02	0.00									15.81
18 to 19.9	0.80	2.60	2.70	1.64	0.38	0.05	0.01										8.17
20 to 21.9	0.32	1.27	1.17	0.46	0.10	0.01											3.32
22 to 23.9	0.10	0.56	0.45	0.10	0.01	0.00											1.22
24 to 25.9	0.03	0.18	0.16	0.06	0.00												0.44
26 to 27.9	0.01	0.05	0.04	0.01	0.00												0.10
28 to 29.9	0.00	0.01	0.02	0.01	0.00												0.04
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	22.31	34.00	26.80	13.08	3.27	0.48	0.07	0.00									100.00
<b>Autumn average</b>																	
–12 to –10.1																	0.01
–10 to –8.1	0.01																0.01
–8 to –6.1	0.04	0.00															0.04
–6 to –4.1	0.19	0.02															0.20
–4 to –2.1	0.49	0.07															0.57
–2 to –0.1	1.19	0.32	0.05	0.01													1.57
0 to 1.9	1.77	0.94	0.24	0.07	0.01	0.00											3.01
2 to 3.9	2.36	1.59	0.88	0.24	0.07	0.03		0.00									5.17
4 to 5.9	3.11	2.40	2.04	0.91	0.23	0.10	0.03	0.00									8.81
6 to 7.9	3.49	3.71	3.29	1.79	0.75	0.28	0.06	0.03	0.01								13.40
8 to 9.9	3.91	4.92	4.27	2.72	0.94	0.33	0.09	0.02	0.00	0.00	0.00						17.21
10 to 11.9	3.47	5.44	5.05	3.42	1.46	0.47	0.12	0.02									19.46
12 to 13.9	2.47	4.43	4.08	3.03	1.35	0.51	0.11	0.01	0.00								15.98
14 to 15.9	0.94	2.24	2.53	1.96	0.92	0.30	0.06	0.00									8.95
16 to 17.9	0.36	0.93	1.20	0.94	0.36	0.11	0.03	0.00									3.92
18 to 19.9	0.09	0.35	0.38	0.31	0.09	0.02	0.01										1.25
20 to 21.9	0.03	0.11	0.13	0.05	0.01	0.00											0.33
22 to 23.9	0.01	0.03	0.04	0.02	0.01												0.11
24 to 25.9	0.01	0.01	0.01	0.00													0.02
26 to 27.9																	
28 to 29.9																	
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	23.91	27.50	24.19	15.47	6.19	2.15	0.49	0.09	0.01	0.00	0.00						100.00

*Table continues*

**Table 2.20(d)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Edinburgh (1982–2011) — *continued*

Temperature / °C	Percentage frequency for stated range of wind speed / m·s <sup>-1</sup>															All speeds	
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30		30–32
<b>Winter average</b>																	
–12 to –10.1	0.10	0.02															0.11
–10 to –8.1	0.27	0.02	0.00														0.29
–8 to –6.1	0.52	0.06															0.58
–6 to –4.1	1.14	0.13	0.02	0.01	0.01	0.00											1.30
–4 to –2.1	2.15	0.56	0.11	0.01	0.02	0.00	0.00										2.85
–2 to –0.1	3.96	1.77	0.66	0.27	0.09	0.04	0.00	0.00									6.79
0 to 1.9	5.27	4.19	2.79	1.48	0.56	0.16	0.03	0.00									14.49
2 to 3.9	4.62	5.55	4.97	3.31	1.44	0.47	0.16	0.04	0.01	0.00							20.58
4 to 5.9	3.29	5.03	5.21	3.74	1.80	0.72	0.25	0.07	0.01	0.01	0.00						20.14
6 to 7.9	1.44	3.25	4.15	3.69	2.08	0.93	0.32	0.10	0.03	0.02	0.00						16.00
8 to 9.9	0.36	1.48	2.30	2.71	2.11	1.12	0.37	0.10	0.03	0.00	0.00						10.59
10 to 11.9	0.03	0.31	0.79	1.26	1.32	0.80	0.46	0.15	0.02								5.14
12 to 13.9	0.00	0.04	0.08	0.23	0.27	0.23	0.12	0.04	0.00								1.02
14 to 15.9				0.01	0.03	0.01	0.00										0.04
16 to 17.9																	
18 to 19.9																	
20 to 21.9																	
22 to 23.9																	
24 to 25.9																	
26 to 27.9																	
28 to 29.9																	
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	23.24	22.40	21.08	16.72	9.72	4.49	1.72	0.50	0.10	0.03	0.01						100.01