

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

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>Annual average</b>																	
–12 to –10.1	0.01	0.00	0.00														0.01
–10 to –8.1	0.02	0.01	0.01	0.00													0.04
–8 to –6.1	0.05	0.03	0.02	0.00	0.00												0.10
–6 to –4.1	0.19	0.07	0.05	0.02	0.01	0.00											0.34
–4 to –2.1	0.55	0.28	0.13	0.07	0.04	0.01	0.00										1.08
–2 to –0.1	1.17	0.74	0.36	0.17	0.08	0.02	0.00										2.55
0 to 1.9	1.84	1.71	0.91	0.40	0.14	0.03	0.00										5.03
2 to 3.9	2.12	2.42	1.43	0.61	0.22	0.06	0.01										6.87
4 to 5.9	2.49	3.28	1.93	0.79	0.27	0.07	0.01	0.00	0.00								8.85
6 to 7.9	2.70	3.95	2.64	1.22	0.38	0.08	0.02	0.00	0.00								10.98
8 to 9.9	2.84	4.28	3.32	1.69	0.52	0.11	0.02	0.00									12.78
10 to 11.9	2.84	4.07	3.26	1.68	0.61	0.12	0.02	0.00									12.59
12 to 13.9	2.74	4.19	2.91	1.30	0.38	0.05	0.01	0.00									11.58
14 to 15.9	2.12	3.82	2.78	0.99	0.17	0.03	0.00										9.90
16 to 17.9	1.32	2.81	2.25	0.74	0.13	0.01	0.00										7.27
18 to 19.9	0.79	1.79	1.46	0.44	0.06	0.01	0.00										4.54
20 to 21.9	0.43	1.08	0.83	0.23	0.03	0.00	0.00										2.59
22 to 23.9	0.23	0.69	0.44	0.13	0.02												1.52
24 to 25.9	0.12	0.38	0.22	0.05	0.01												0.78
26 to 27.9	0.05	0.17	0.12	0.03	0.01												0.38
28 to 29.9	0.03	0.07	0.05	0.02	0.00												0.17
30 to 31.9	0.01	0.02	0.01	0.01													0.05
32 to 33.9		0.01	0.00														0.01
34 to 35.9		0.00	0.00														0.00
36 to 37.9																	
All temps.	24.64	35.86	25.13	10.58	3.07	0.60	0.11	0.01	0.00								100.00
<b>Spring average</b>																	
–12 to –10.1																	
–10 to –8.1																	
–8 to –6.1	0.00																0.00
–6 to –4.1	0.05	0.01	0.00														0.06
–4 to –2.1	0.26	0.12	0.02	0.00	0.00												0.41
–2 to –0.1	0.79	0.42	0.22	0.07	0.02	0.01											1.53
0 to 1.9	1.43	1.50	0.79	0.30	0.11	0.03											4.16
2 to 3.9	2.12	2.51	1.45	0.77	0.34	0.06	0.01										7.25
4 to 5.9	3.07	4.03	2.43	1.21	0.43	0.12	0.01	0.00	0.00	0.00							11.31
6 to 7.9	3.61	5.51	3.89	1.99	0.72	0.13	0.03	0.00	0.00								15.88
8 to 9.9	3.59	6.48	5.15	2.56	0.84	0.14	0.02	0.01	0.00	0.00							18.80
10 to 11.9	2.46	5.30	5.05	2.44	0.82	0.14	0.01										16.22
12 to 13.9	1.61	3.85	3.42	1.56	0.40	0.06	0.00	0.00									10.90
14 to 15.9	1.02	2.25	2.06	0.90	0.18	0.04											6.45
16 to 17.9	0.52	1.37	1.09	0.49	0.10	0.02											3.58
18 to 19.9	0.34	0.66	0.51	0.19	0.06	0.01											1.75
20 to 21.9	0.17	0.37	0.28	0.09	0.03	0.01											0.94
22 to 23.9	0.09	0.19	0.17	0.08	0.01												0.54
24 to 25.9	0.06	0.06	0.06	0.03													0.21
26 to 27.9	0.00	0.01	0.01														0.02
28 to 29.9																	
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	21.17	34.63	26.60	12.67	4.05	0.77	0.08	0.02	0.01	0.00							100.00

Table continues

**Table 2.20(n)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Swindon (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																	
–10 to –8.1																	
–8 to –6.1																	
–6 to –4.1																	
–4 to –2.1																	
–2 to –0.1	0.00																0.00
0 to 1.9	0.01																0.01
2 to 3.9	0.02	0.01															0.03
4 to 5.9	0.17	0.05		0.00													0.23
6 to 7.9	0.68	0.28	0.06	0.03	0.01	0.00											1.06
8 to 9.9	2.25	1.30	0.30	0.05	0.02	0.01											3.93
10 to 11.9	4.18	3.52	1.25	0.31	0.09	0.02											9.37
12 to 13.9	5.57	6.74	3.12	0.78	0.10	0.01											16.33
14 to 15.9	5.16	8.35	4.95	1.22	0.17	0.01	0.00										19.86
16 to 17.9	3.77	7.26	5.46	1.45	0.18	0.02	0.01										18.13
18 to 19.9	2.36	5.20	4.18	1.17	0.12	0.02	0.01										13.06
20 to 21.9	1.35	3.37	2.61	0.71	0.06	0.01	0.00										8.12
22 to 23.9	0.76	2.30	1.45	0.38	0.04												4.94
24 to 25.9	0.39	1.32	0.75	0.16	0.04												2.66
26 to 27.9	0.20	0.64	0.43	0.10	0.02												1.40
28 to 29.9	0.10	0.29	0.20	0.06	0.01												0.66
30 to 31.9	0.02	0.09	0.05	0.02													0.19
32 to 33.9		0.02	0.01	0.00													0.03
34 to 35.9		0.01	0.00														0.01
36 to 37.9																	
All temps.	27.00	40.77	24.82	6.44	0.85	0.10	0.02										100.00
<b>Autumn average</b>																	
–12 to –10.1																	
–10 to –8.1	0.01																0.01
–8 to –6.1	0.01																0.01
–6 to –4.1	0.07	0.01															0.08
–4 to –2.1	0.32	0.07	0.02	0.00													0.41
–2 to –0.1	0.79	0.27	0.11	0.02	0.00												1.19
0 to 1.9	1.53	0.74	0.29	0.12	0.02	0.00											2.69
2 to 3.9	2.25	1.33	0.70	0.19	0.05	0.01											4.54
4 to 5.9	3.03	2.61	1.17	0.36	0.09	0.02	0.00										7.29
6 to 7.9	3.79	4.25	2.08	0.65	0.15	0.03	0.01	0.01									10.96
8 to 9.9	4.38	5.71	3.17	1.16	0.25	0.05	0.01										14.71
10 to 11.9	4.38	6.13	4.06	1.63	0.46	0.07	0.01										16.73
12 to 13.9	3.65	5.85	4.39	2.02	0.52	0.05	0.02										16.49
14 to 15.9	2.18	4.50	3.96	1.78	0.33	0.05	0.00										12.81
16 to 17.9	0.94	2.47	2.35	1.00	0.22	0.02	0.00										7.00
18 to 19.9	0.41	1.20	1.09	0.37	0.05	0.00	0.00										3.12
20 to 21.9	0.17	0.51	0.37	0.11	0.02												1.17
22 to 23.9	0.07	0.24	0.12	0.06	0.02												0.51
24 to 25.9	0.02	0.12	0.07	0.01	0.00												0.23
26 to 27.9	0.01	0.03	0.04														0.08
28 to 29.9		0.00															0.00
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	27.97	36.05	23.97	9.47	2.16	0.32	0.06	0.01									100.00

*Table continues*

