Table 1. Detailed information on studies focusing on wearables. All entries are expressed as count (percentage), MS: multiple sclerosis, PwMS: participants with MS

	Real-world	Laboratory	Mixed
Cohort			
Overall PwMS enrolled	16'693 (100.0)	2'860 (100.0)	1'020 (100.0)
Female PwMS	12'292 (73.6)	1'708 (59.7)	577 (56.6)
PwMS with no sex reported	1'142 (6.8)	416 (14.5)	91 (8.9)
Type of MS			
Relapsing-Remitting	12'567 (75.3)	1'060 (37.1)	579 (56.8)
Secondary progressive	831 (5.0)	250 (8.7)	136 (13.3)
Primary progressive	385 (2.3)	59 (2.1)	123 (12.1)
Not reported	2'295 (13.7)	1'333 (46.6)	49 (4.8)
Studies' characteristics			
Total number of studies	129 (100.0)	76 (100.0)	18 (100.0)
Studies with comparator groups	46 (35.7)	57** (75.3)	7 (38.9)
Healthy controls	*35 (27.1)*	*48 (63.6)*	*6 (33.3)*
MS controls	*10 (7.8)*	*8 (10.4)*	*1 (5.6)*
*Other diseases**	*1 (0.8)*	*2 (2.6)*	*0 (0.0)*
Number of publications per location			
Sternum	2 (1.6)	12 (15.8)	2 (11.1)
Upper back	1 (0.8)	2 (2.6)	0 (0.0)
Lower back	4 (3.1)	34 (44.7)	5 (27.8)
Waist	69 (53.5)	13 (17.1)	10 (55.6)
Upper arm	2 (1.6)	3 (3.9)	0 (0.0)
Lower arm	0 (0.0)	4 (5.3)	0 (0.0)
Wrist	16 (12.4)	13 (17.1)	4 (22.2)
Hand	8 (6.2)	8 (10.5)	2 (11.1)
Upper leg	8 (6.2)	9 (11.8)	1 (5.6)
Lower leg	1 (0.8)	15 (19.7)	0 (0.0)
Ankle	10 (7.8)	14 (18.4)	3 (16.7)
Foot	3 (2.3)	12 (15.8)	1 (5.6)
Others***	2 (1.6)	1 (1.3)	0 (0.0)
Not reported	25 (19.4)	0 (0.0)	2 (11.1)
Number of publications per sensor type ****			
Accelerometer	122 (94.6)	74 (97.4)	17 (94.4)
Uniaxial	*46 (35.7)*	*8 (10.5)*	*1 (5.6)*
Biaxial	*5 (3.9)*	*2 (2.6)*	*1 (5.6)*
Triaxial	*73 (56.6)*	*66 (86.8)*	*17 (94.4)*
Gyroscope	10 (7.8)	44 (57.9)	6 (33.3)
Magnetometer	7 (5.4)	36 (47.4)	5 (27.8)
Touchscreen	7 (5.4)	2 (2.6)	1 (5.6)
Mechanical pedometer	9 (7.0)	1 (1.3)	0 (0.0)
Others*****	6 (4.7)	7 (9.2)	1 (5.6)

* "Other diseases" includes stroke, Parkinson's disease, rheumatoid arthritis
** one publication had a mixed comparator group including both healthy controls and participants with other diseases
*** "Others" include bag or pocket, tip of the cane or crutches, head
**** Note that one publication can involve multiple types of sensors and/or accelerometers with different number of axes
***** "Others" includes ECG, GPS, thermometer, photoplethysmography, skin impedance, light exposure, sEMG, portable metabolic system measuring oxygen consumption, force sensor, barometer