Table S2. Sensitivity analyses examining the robustness of ambient temperature and 24-hour movement behavior associations

Movement behaviors	Optimal/threshold temperature (°C)			Interaction (p-value)
	Primary	Diary-confirmed	Season-adjusted	
SB	20.8	20.9	20.4	0.494
LPA	20.7	20.8	20.1	0.424
MVPA	21.1	21.2	Not localizable[a)]	0.195
Sleep	22.0	22.8	Not localizable[a)]	0.453

Diary-confirmed optimal/threshold temperatures were estimated using 3,971 person-days from 709 participants with diary-confirmed sleep periods.

SB, sedentary behavior; LPA, light-intensity physical activity; MVPA, moderate-to-vigorous-intensity physical activity.

[a)]Optimal/threshold temperatures could not be reliably identified after adjustment for season because season and ambient temperature were highly correlated. Interaction p-values were obtained from tests of the temperature-spline × season interaction terms. Season was categorized as spring (March–May), summer (June–August), autumn (September–November), and winter (December–February).