



Figure 21 Spearman's correlation between forced expiratory volume in the first second (% predicted) and the daily time in activities of very light intensity (A), light intensity (B), and moderate-to-vigorous intensity (C) for 1001 patients with chronic obstructive pulmonary disease.

4.4.4 Cluster Analysis of Daily Physical Activity Measures in 1001 Patients with COPD

The PCA identified three components, which accounted for 60% of the total variance in the data (first component, 34%; second component, 17%; third component, 9%). The most relevant features of the 1st component were the daily time in ≥ 2 -min bouts of very light intensity, expressed as percentage of total assessment time; the daily time in ≥ 10 -min bouts of very light intensity, in min-day⁻¹; and the daily time in ≥ 10 -min bouts of very light intensity, expressed as