

Additional File 3: Data dictionary for latent classes variables based on accelerometry measures among adults (NHANES 2003-2006)

Variable Name	SAS Label	SAS value
SEQN	Respondent sequence number	
ADHERENT	Indicator of participant adherent status	Categorical: 0 = Did not wear accelerometer 1 = Wore accelerometer but not calibrated or faulty 2 = Wore accelerometer but not adherent 3 = Adherent . = under 18 years
<b>Latent classes for CPM</b>		
LC6_CNTMIN2	Latent classes on CPM	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5 6 = Class 6
CNTMIN_PP1	Posterior probability in latent class 1 -- on CPM	Continuous
CNTMIN_PP2	Posterior probability in latent class 2 -- on CPM	Continuous
CNTMIN_PP3	Posterior probability in latent class 3 -- on CPM	Continuous
CNTMIN_PP4	Posterior probability in latent class 4 -- on CPM	Continuous
CNTMIN_PP5	Posterior probability in latent class 5 -- on CPM	Continuous
CNTMIN_PP6	Posterior probability in latent class 6 -- on CPM	Continuous
<b>Latent classes for % MVPA (Troiano)</b>		
LC_PCT_MVTO2	Latent classes on % MVPA (Troiano) out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5
PMVTO_PP1	Posterior probability in latent class 1 -- % MVPA (Troiano)	Continuous
PMVTO_PP2	Posterior probability in latent class 2 -- % MVPA (Troiano)	Continuous

PMVTO_PP3	Posterior probability in latent class 3 -- % MVPA (Troiano)	Continuous
PMVTO_PP4	Posterior probability in latent class 4 -- % MVPA (Troiano)	Continuous
PMVTO_PP5	Posterior probability in latent class 5 -- % MVPA (Troiano)	Continuous
<b>Latent classes for % MVPA bouts (Troiano)</b>		
LC_PCT_MVBTO2	Latent classes on % MVPA bouts (Troiano) out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5
PMVBTO_PP1	Posterior probability in latent class 1 -- % MVPA bouts (Troiano)	Continuous
PMVBTO_PP2	Posterior probability in latent class 2 -- % MVPA bouts (Troiano)	Continuous
PMVBTO_PP3	Posterior probability in latent class 3 -- % MVPA bouts (Troiano)	Continuous
PMVBTO_PP4	Posterior probability in latent class 4 -- % MVPA bouts (Troiano)	Continuous
PMVBTO_PP5	Posterior probability in latent class 5 -- % MVPA bouts (Troiano)	Continuous
<b>Latent classes for % MVPA (Matthews)</b>		
LC6_PCT_MVCM2	Latent classes on % MVPA (Matthews) out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5 6 = Class 6
PMVCM_PP1	Posterior probability in latent class 1 -- % MVPA (Matthews)	Continuous
PMVCM_PP2	Posterior probability in latent class 2 -- % MVPA (Matthews)	Continuous
PMVCM_PP3	Posterior probability in latent class 3 -- % MVPA (Matthews)	Continuous
PMVCM_PP4	Posterior probability in latent class 4 -- % MVPA (Matthews)	Continuous
PMVCM_PP5	Posterior probability in latent class 5 -- % MVPA (Matthews)	Continuous
PMVCM_PP6	Posterior probability in latent class 6 -- % MVPA (Matthews)	Continuous
<b>Latent classes for % MVPA bouts (Matthews)</b>		

LC6_PCT_MVBCM2	Latent classes on % MVPA bouts (Matthews) out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5
PMVBCM_PP1	Posterior probability in latent class 1 -- % MVPA bouts (Matthews)	Continuous
PMVBCM_PP2	Posterior probability in latent class 2 -- % MVPA bouts (Matthews)	Continuous
PMVBCM_PP3	Posterior probability in latent class 3 -- % MVPA bouts (Matthews)	Continuous
PMVBCM_PP4	Posterior probability in latent class 4 -- % MVPA bouts (Matthews)	Continuous
PMVBCM_PP5	Posterior probability in latent class 5 -- % MVPA bouts (Matthews)	Continuous
<b>Latent classes for % sedentary</b>		
LC_PCT_SD2	Latent classes on % sedentary out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5
PSD_PP1	Posterior probability in latent class 1 -- % Sedentary	Continuous
PSD_PP2	Posterior probability in latent class 2 -- % Sedentary	Continuous
PSD_PP3	Posterior probability in latent class 3 -- % Sedentary	Continuous
PSD_PP4	Posterior probability in latent class 4 -- % Sedentary	Continuous
PSD_PP5	Posterior probability in latent class 5 -- % Sedentary	Continuous
<b>Latent classes for % sedentary bouts</b>		
LC7_PCT_SDB2	Latent classes on % sedentary bouts out of total	Categorical: 1 = Class 1 2 = Class 2 3 = Class 3 4 = Class 4 5 = Class 5 6 = Class 6 7 = Class 7
PSDB_PP1	Posterior probability in latent class 1 -- % Sedentary bouts	Continuous
PSDB_PP2	Posterior probability in latent class 2 -- % Sedentary bouts	Continuous

PSDB_PP3	Posterior probability in latent class 3 -- % Sedentary bouts	Continuous
PSDB_PP4	Posterior probability in latent class 4 -- % Sedentary bouts	Continuous
PSDB_PP5	Posterior probability in latent class 5 -- % Sedentary bouts	Continuous
PSDB_PP6	Posterior probability in latent class 6 -- % Sedentary bouts	Continuous
PSDB_PP7	Posterior probability in latent class 7 -- % Sedentary bouts	Continuous

CPM=counts per minute; MVPA=moderate to vigorous physical activity