

Supplementary Materials

	Community	Intervention group	District level SES	Distance to intervention sites	NE (urban/ suburban)
Community	1.000	-0.058	-0.510	0.256	0.877
Intervention group	-0.058	1.000	0.016	-0.072	-0.019
District level SES	-0.510	0.016	1.000	-0.232	-0.641
Distance to intervention sites	0.256	-0.072	-0.232	1.000	0.193
NE (urban/ suburban)	0.877	-0.019	-0.641	0.193	1.000

Figure S1: Heat Map of correlation coefficients (Spearman's rho). Interpretation: 0 = none, 0.1-0.2 = poor, 0.3-0.5 = fair, 0.6-0.7 = moderate, 0.8-0.9 very strong, 1 = perfect [1]. Bold type = Correlation is significant at the 0.01 level (2-tailed). NE = Neighborhood.

1. Chan, Y. Biostatistics 104: correlational analysis. *Singapore Med J* 2003, 44, 614-619.

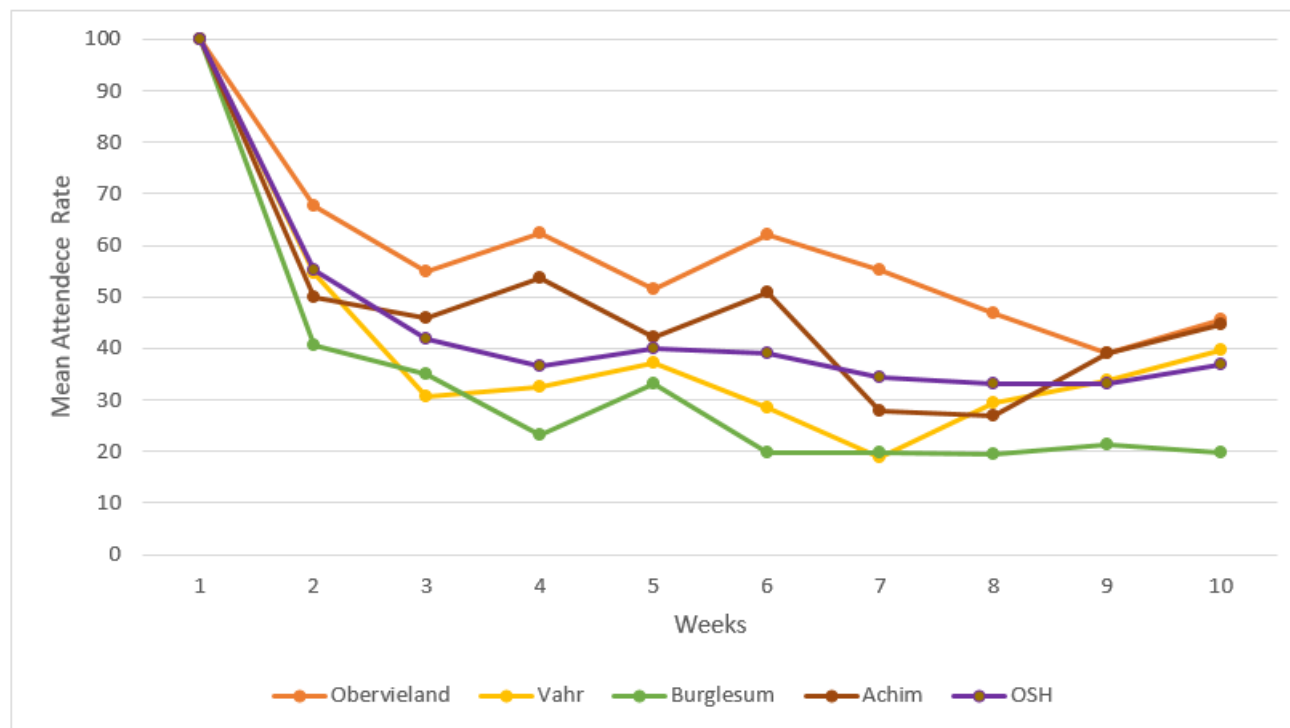


Figure S2: Descriptive of 10 weeks' class attendance rates.

Table S1: Number and type of weather expositions by different groups and communities. Note: *The number of groups in each community varied according to the total number of participants in that community. The target group size was about 20 participants. ** Those who left the study before the first class were not included.

Community	Group*	Participants expected at the first class**	Date of the first class (week 2)	Date of the 10th class (week 11)	Season	N of classes with rainfall exposures	N of classes with wind speed exposures	N of classes with temperature exposures
Obervieland	1	24	08-Mar-17	10-May-17	Spring			
	2	19	22-Mar-17	24-May-17	Spring			
	3	19	29-Mar-17	31-May-17	Spring			
	4	23	05-Jul-17	06-Sep-17	Summer/Autumn		2	
	5	21	12-Jul-17	13-Sep-17	Summer/Autumn		3	
	6	21	26-Jul-17	27-Sep-17	Summer/ Autumn		2	
Vahr	1	11	23-Jun-16	25-Aug-16	Summer			1
	2	21	07-Jul-16	08-Sep-16	Summer			1
	3	24	14-Jul-16	15-Sep-16	Summer			1
Burglesum	1	15	20-May-16	21-Jul-16	Spring/ Summer	2		1
	2	14	26-May-16	28-Jul-16	Spring/ Summer	2		1
	3	23	09-Jun-16	11-Aug-16	Summer	1		1
Achim	1	23	03-Aug-17	05-Oct-17	Summer/ Autumn		3	
	2	18	17-Aug-17	19-Oct-17	Summer/ Autumn		2	
	3	23	24-Aug-17	26-Oct-17	Summer/ Autumn		2	
OSH	1	21	20-Jan-17	24-Mar-17	Winter/ Spring		1	
	2	19	27-Jan-17	31-Mar-17	Winter/ Spring		1	
	3	21	10-Feb-17	13-Apr-17	Winter/ Spring		1	
	4	19	17-Feb-17	21-Apr-17	Winter/ Spring		1	
	5	19	03-Mar-17	05-May-17	Spring		1	
Sum						3	19	6

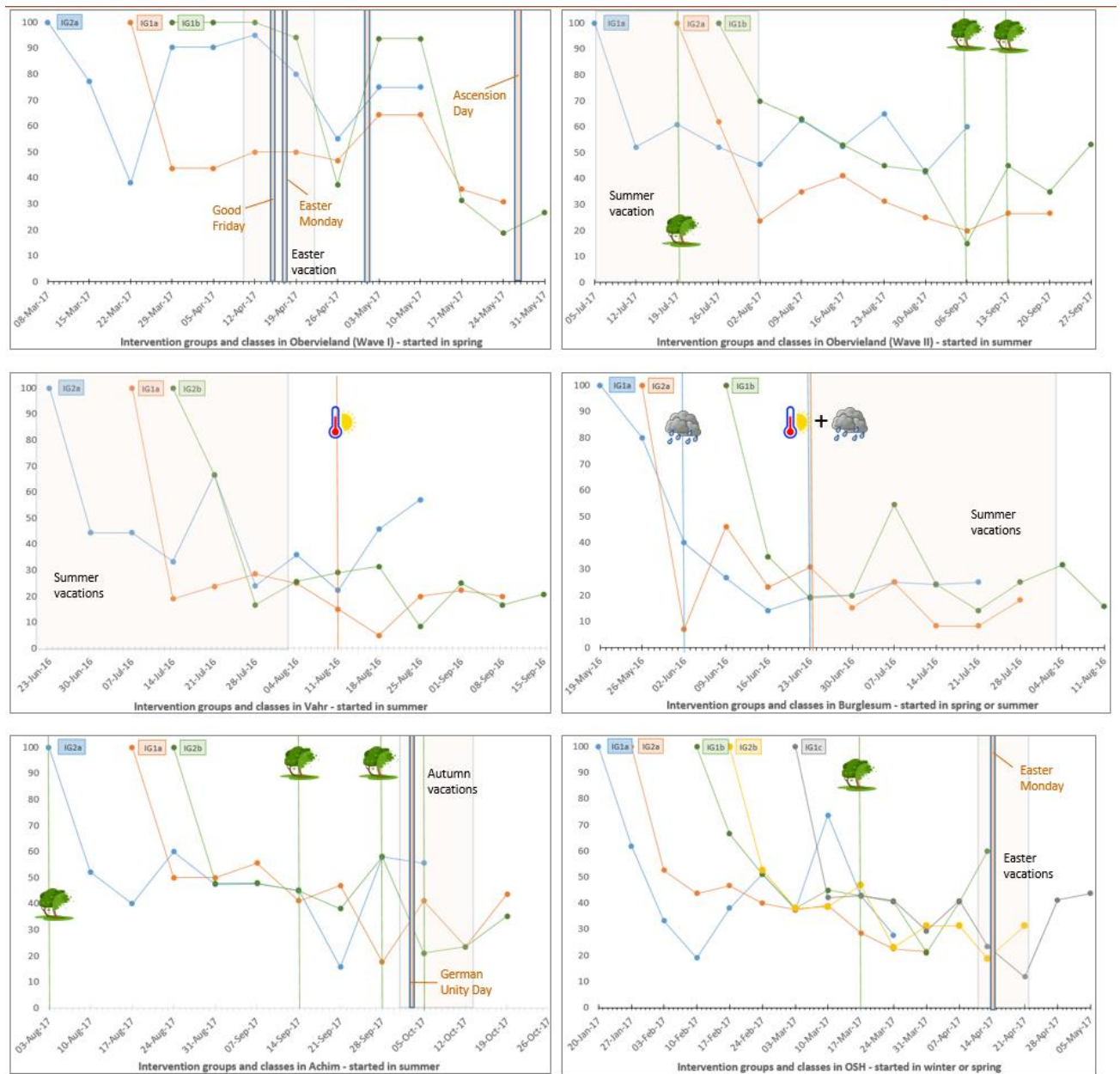


Figure S3: Weather expositions and holiday periods by days of class meeting and rate of expected attenders in different groups and communities. Note: ☁️ rainfall >15 l/m², 🌡️ temperature >30, 🌳: wind speed >7, IG1a: web-based intervention with subjective PA self-monitoring, first group, IG1b: web-based intervention with subjective PA self-monitoring, second group, IG2a: web-based intervention with subjective and objective PA self-monitoring, first (only) group.