|  | Time points             |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
|--|-------------------------|-------------------------|-------------------------|----------------|----|----|-----------------------------------|----|-----------------------------------|----|-----------------------------------|----|-----------------------------------|----|-----------------------------------|----|------------------------------------|----|------------------------------------|----------|
|  | - <b>t</b> <sub>3</sub> | - <b>t</b> <sub>2</sub> | - <b>t</b> <sub>1</sub> | t <sub>0</sub> | t  | !  | <b>t</b> <sub>2</sub> (3d. after) |    | <b>t</b> <sub>3</sub> (1w. after) |    | <b>t</b> <sub>4</sub> (2w. after) |    | <i>t</i> <sub>5</sub> (3w. after) |    | <b>t</b> <sub>6</sub> (4w. after) |    | <b>t</b> <sub>7</sub> (12w. after) |    | <b>t</b> <sub>8</sub> (24w. after) |          |
|  | Al                      | Al                      | Al                      | Al             | Co | Ex | Co                                | Ex | Co                                | Ex | Co                                | Ex | Co                                | Ex | Co                                | Ex | Co                                 | Ex | Co                                 | Ex       |
|  | l                       | l                       | l                       | l              | m  | p  | m                                 | p  | m                                 | p  | m                                 | p  | m                                 | p  | m                                 | p  | m                                  | p  | m                                  | р        |
| Screening for eligibility                      |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    | $\sqcup$ |
| Intervention to quit Smoking (Session 1 & 3)   |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Quit day: Allocation                           |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Intervention to manage cravings (4th session)  |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    | $\sqcup$ |
| Follow-up                                      |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Measures                                       |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Screening for Drug Use                         | X                       |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Tobacco Dependence Screener                    | X                       |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Motivation to Stop Smoking Scale               | x                       |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| General Health Questionnaire                   | x                       |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Physical Activity Readiness Questionnaire      | x                       |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| Smoking behavior 7days                         |                         | х                       | х                       |                | x  | x  |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| 7-day PPA                                      |                         |                         |                         |                |    |    | x                                 | x  | x                                 | x  | x                                 | x  | x                                 | x  | x                                 | x  | x                                  | x  | x                                  | x        |
| International Physical Activity Questionnaire  |                         | х                       | х                       |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    | x                                  | x        |
| Power of control on manage cravings            |                         | х                       | х                       |                |    |    | x                                 | x  |                                   |    |                                   |    |                                   |    | x                                 | х  | x                                  | x  | x                                  | x        |
| Efficacy on being aware of experience cravings |                         | х                       |                         |                | x  | X  | x                                 | х  | x                                 | х  | x                                 | X  | x                                 | X  | x                                 | х  | x                                  | х  | x                                  | x        |
| Efficacy on managing cravings                  |                         | х                       |                         |                | x  | X  | x                                 | X  | x                                 | X  | x                                 | X  | x                                 | X  | x                                 | X  | x                                  | X  | x                                  | x        |
| Number of relapses last 7days                  |                         |                         |                         |                | x  | х  | x                                 | х  | x                                 | X  | x                                 | X  | x                                 | x  | x                                 | X  | x                                  | X  | x                                  | x        |
| Number of cravings last 7days                  |                         |                         |                         |                | х  | х  | х                                 | х  | х                                 | х  | х                                 | х  | х                                 | х  | х                                 | х  | х                                  | х  | x                                  | х        |
| TPB physical activity (attitude, PBC &         |                         |                         |                         |                |    |    |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    |          |
| intention)                                     |                         | X                       |                         |                | X  | X  |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    | i l      |
| Cotinine in saliva                             |                         |                         |                         |                | х  | х  |                                   |    |                                   |    |                                   |    |                                   |    |                                   |    |                                    |    |                                    | х        |
| Fidelity check (Comparison group)              |                         |                         |                         |                |    |    | х                                 |    | х                                 |    |                                   |    |                                   |    | х                                 |    | х                                  |    | х                                  |          |
| Fidelity check (Experimental group)            |                         |                         |                         |                |    |    |                                   | х  |                                   | х  |                                   |    |                                   |    |                                   | х  |                                    | х  |                                    | х        |
| Data from Ph.o.S app collection mechanism      |                         |                         |                         |                |    |    |                                   | х  |                                   | х  |                                   | х  |                                   | х  |                                   | х  |                                    | х  |                                    | х        |
| Ph.o.S app Usability                           |                         |                         |                         |                |    |    |                                   |    |                                   | х  |                                   |    |                                   |    |                                   | х  |                                    |    |                                    |          |

All = All participants; Com = Comparison group; Exp = Experimental group; PBC =Perceived behavioral control