**Additional file 1. Practical suggestions as reported by participating researchers**

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| **Reliability**   * Align with timeline follow-back timeframes [note by the authors: timeline follow-back timeframes is a method that can be used as a clinical and research tool to obtain a variety of quantitative estimates of marijuana, cigarette, and other drug use] * Predefined rules over what data (e.g. with regard to delay) to accept for statistical analyses * Assess at least three items for each construct you aim at * Realize that the reliability differs per variable (depends on its nature)   **Feasibility**   * Adding an extra assessment in case of technical problems * Questionnaire disappears when next pops-up * Questionnaire appears when respondent plugs in his/her telephone for charging * Not all items have to be asked equally frequent * Reduce branching   **Statistics**   * Use simulation studies * Contact a statistician before conducting your study * Use an e-diary that is triggered in response to an interesting episode of one continuously measured variable * Aim for consistent answering scales (momentary/retrospective or likert-scale/ continuous) * Use a combination of momentary and retrospective items |

*Please note that participating researchers were sometimes short and unspecific in their answers*