## Additional file 1 Prioritized domains included in diagnostic questionnaire

TDF domains for each of the six study target behaviours, prioritized for inclusion in questionnaire

|                             | K           | S | SPI | CA | СО | MI          | MAD | Е           | SI | EM       | BR |
|-----------------------------|-------------|---|-----|----|----|-------------|-----|-------------|----|----------|----|
| Record risk                 | <b>&gt;</b> |   | ~   | ~  | ~  | <b>&gt;</b> | ~   | <b>&gt;</b> | ~  |          | ~  |
| Risk-based recall intervals | ~           | ~ | ~   | ~  | ~  | <b>✓</b>    | ~   | •           | ~  |          | ~  |
| Apply fluoride varnish      | <b>✓</b>    |   | ~   |    | ~  | •           |     | ~           | •  |          |    |
| Place fissure sealants      | <b>✓</b>    | • | •   | ~  | ~  | •           |     | ~           | •  |          |    |
| Demonstrate OH maintenance  | <b>✓</b>    |   | •   | ~  | ~  | <b>✓</b>    |     | •           | ~  | <b>✓</b> |    |
| Take bitewing radiographs   | <b>~</b>    | ~ | ~   | ~  | ~  | ~           |     | ~           | ~  | ~        |    |

K – knowledge; SPI – social professional role and identity; CA – beliefs about capabilities; CO – beliefs about consequences; MI – motivation, goals, and intent; MAD – memory, attention, and decision making; E – environmental context and resources; SI – social influence; EM – emotion; BR – behavioural regulation