Additional file 2 – Prospective studies aimed at predicting health professionals' behaviour

Study	1. Type of participants 2. Sample size	1. Theoretical framework 2. Behaviour studied	Measure of behaviour	Level of correspondence between intention and behaviour	Final model	R^2
Bernaix [26]	1. Maternal-newborn nurses 2. 49	1. TRA 2. Providing support for breastfeeding	Perception of support by mothers (OBJ)	Good	Attitude Knowledge Ethnicity Education	0.56
Eccles et al. [20]	1. General practitioners 2. 230	1. OLT 2. Managing infections without antibiotics	Total number of antibiotic prescriptions (OBJ)	Poor	Habitual behaviour	0.063
Farris & Schopflocher [33]	1. Community pharmacists 2. 182	1. SCT 2. Pharmaceutical care	Provided or not pharmaceutical care (SR)	Good	Self-efficacy	O/S
Gilomen-Study [21]	1. Physicians 2. 45	1. TPB 2. Prescribing	Coded prescription data (OBJ)	Poor	Attitude	0.15

Godin et al. [27]	1. Nurses 2. 105	1. TPB 2. Adherence to universal precautions for venipuncture	Number of time they adhered to universal precautions (SR)	Good	Intention PBC	0.28
Harrell & Bennett [22]	1. Physicians 2. 93	1. TRA 2. Prescribing	Physician panel data (OBJ)	Poor	Intention	0.27
Hoppe [31]	1. Nurses 2. 132	1. TPB 2. Weight loss management	Number of time they raised the issue of weight loss (SR)	Good	Intention Self-efficacy	0.46
Lambert et al. [23]	1. Physicians 2. 19	1. TRA 2. Antibiotic prescribing	Antibiotic prescribing data (OBJ)	Poor	-	0.0049
Mason [34]	1. Pharmacists 2. 40	1. TRA 2. Counseling	Direct observation (OBJ)	Good	Attitude Subjective norm	0.33
Maue et al. [24]	1. Providers 2. 33	1. TPB 2. Compliance with practice guidelines	Medical record audits (OBJ)	Good	Attitude	0.0076
Millstein [25]	1. Primary care	1. TPB	Percentage of	Good	Intention	0.40

physicians 2. 765		2. Providing education about STD-HIV	adolescents being educated (SR)		Subjective norm PBC	
O'Boyle et al. [28]	1. Nurses in critical & post critical care units 2. 120	1. TPB 2. Adherence to hand hygiene recommendations	2-hour observation period (OBJ)	Poor	Intensity of activity in the unit	0.12
Quinn [32]	1. Nurses 2. 50	1. TRA 2. Documentation	Analysis of patient records (OBJ)	Good	-	0.01
Renfroe et al. [29]	1. Nurses 2. 108	1. TRA 2. Documentation	Analysis of patient's chart (0.71)[a] (OBJ)	Good	Intention	0.15
Sauls [30]	1. Intrapartum nurses 2. 39	1. TPB 2. Labour support	Length of labour (OBJ)	Poor	-	-0.05
Wilson [35]	1. School psychologists 2. 284	1. TPB 2. Using a consultation model	Use of consultation model (SR)	Good	Intention PBC	0.58

OBJ: Objective assessment of behaviour; OLT: Operant Learning Theory; O/S Other statistics; SCT: Social Cognitive Theory; SR Self-reported behaviour; TPB: Theory of Planned Behaviour; TRA: Theory of Reasoned Action.

[a] KK-20 reliability coefficient