S1Table. Methodological features of included studies on interactions with the pharmaceutical industry

a. Methodological features for survey studies

Study ID	Sample size calculation	Sampling: •Frame •Method (type)	Recruitment method	Respons e rate	Administration method	Validity of tool Pilot testing done
Blake, 1995[1]	Not reported	 Frame: Adults (I8 years of age and older) in two family practice centers operated by the University of Missouri-Columbia, Department of Family and Community Medicine. Method: Convenient sampling 	In-person	83.1%	In person self- administered questionnaire	 Validity of tool: not reported Pilot-testing: Yes "The questionnaire was developed specifically for this study and was pilot-tested on 43 adults in the waiting room of the Columbia clinic."
La puma, 1995[2]	Not reported	 Frame: Patients 18 years and above in a general medical office. Method: Convenient sampling questionnaire distributed by a research associate to consecutive patients 	In person	74%	In person, self- administered questionnaire.	•Validity of tool: Valid •Pilot-testing: Yes "The questionnaire for patients was pretested and validated"
Mainous, 1995[3]	Not reported	 Frame: Data base of phone numbers "an annual statewide omnibus survey of adult (18 years of age and older) Kentucky residents" Method: stratified random sampling 	Telephone surveys "Waksberg clustering supplies an almost completely unbiased sample of households with telephones."	55%	Telephone surveys	 Validity of tool: not reported Pilot-testing: not reported
Gibbons, 1998[4]	Not reported	 Frame: Patients at two tertiary-care medical centers, one military and one civilian, at Washington, DC. Method: Random sampling at the military center, convenient sampling at the civilian center. 	Not reported, probably in person.	96% at the military center; not applicabl	In person, interviewer administered	 Self-developed tool, no validation reported. Pilot-testing: Yes. "The survey was pilot tested to ensure clarity and understanding".

				e at the civilian center		
Qidawai, 2003[5]	Not reported	 Frame: Patients attending the outpatient settings of a busy tertiary care hospital Method: Convenient sampling 	In person "The questionnaire was administered by the study authors and trained volunteers."	Not reported	Self-administered questionnaires "The questionnaire was administered by the study authors and trained volunteers"	• Validity of tool: not reported Pilot-testing: Not reported
Semin, 2006[6]	Yes	 Frame: Patients who had been admitted to the primary health care centers in Izmir Centrum, the third largest city in Turkey. Method: Stratified systematic sampling "44 primary health care centers were chosen among the 112 located in the city center" 	In person "Almost all of the patients who were asked to participate in the study accepted it"	Not reported	In-person, self- administered questionnaires	 Validity of tool: not reported Pilot testing: not reported
Edwards, 2009[7]	Not reported	 Frame: employees of The Age newspaper in Melbourne. N=1524 Method: Convenient sampling 	E-mail	8.8%	Internet "The survey was distributed through a bulk email containing a link to the website Survey Monkey"	 Validity of tool: Not reported Pilot testing: Yes "The internal consistency of the questionnaire was good, as measured by Cronbach's alpha: 0.78"
Jastifer, 2009[8]	Not reported	 Frame: List of postal addresses Adult residents, 18 years and older, who reside in Alger County, in rural Michigan." Method: Convenience sampling "The survey was mailed to every residential postal address in Alger County." 	Mail "Two copies of the survey, consent forms, and a letter explaining the survey were mailed to every residential postal address in Alger County."	10.1%	Mail self-administered questionnaires	 Validity of tool: Not reported Pilot-testing: Not reported

Tattersall, 2009[9]	Yes	 Frame: Three general practices in metropolitan Sydney Method: Convenient sampling: "During October–November 2007, we surveyed patients attending three general practices in metropolitan Sydney, New South Wales. 	In person "Patients were either approached in the waiting room by a researcher or invited to participate by the doctor."	80%	In person, self- administered questionnaire	 Validity of tool: Not reported. Pilot-testing: Yes "In a pilot study, 223 patients attending a rural NSW practice received the survey" "A split-half reliability analysis of the weighted data revealed a Cronbach's α of 0.91."
Macneill, 2010[10]	Not reported	 Frame: Electoral roll of the Hunter region of New South Wales Adults of New South Wales over the age of 18 years Method: Random sampling: "The public survey was mailed to 3000 people over the age of 18 years randomly sampled from the electoral roll of the Hunter region of New South Wales." 	Mail "The public survey was mailed to 3000 people over the age of 18 years"	26%	Mail	 Validity of tool: Not reported Pilot-testing: not reported
Grande, 2012[11]	Not reported but the objective was to complete interviews on 30 African American and 30 White respondents in each MSA.	 Frame: A database of phone numbers "African-American and White adults in 40 large metropolitan areas" Method: Cluster random sampling. "A random sample of land-line telephone numbers from each Metropolitan Statistical Areas was selected." 	Phone "a random digit dial telephone survey of African American and White non- Latino adults in 40 metropolitan areas"	31.1%	Computer assisted telephone interview	 Validity of tool: Previously reported validated too Pilot testing: Not reported
Green, 2012[12]	Not calculated but authors mentioned they wanted to reach 200 individuals	•Frame: patients in waiting rooms of five outpatient clinics at a mid- Atlantic academic medical center. Eligible participants included all English-speaking adults (>18 years old) in the waiting areas of five	In person "A fourth-year medical student explained the purpose of the survey and obtained verbal	87%	In-person, self- administered questionnaires (with assistance) 61-item survey	 Validity of tool: Previously reported validated tool Pilot-testing: Yes "These were then pilot tested for face and

		clinics (Primary Care (two), Derma- tology, Orthopedics, and Ophthalmology). •Method: Convenient Sampling	consent from potential participants"			content validity with a convenience sample of patients, physicians, and the general public, then modified in response to feedback"
Wise, 2012[13]	Not reported	 Frame: Postoperative adult patients at Grey's Hospital, Pietermaritzburg. Method: Convenience sampling 	In-person "A sample of postoperative patients was taken from four surgical wards"	Not reported	In-person, self- administered questionnaires	 Validity of tool: not reported Pilot-testing: not reported
Camp, 2013[14]	Not reported	 Frame: postoperative patients attending follow up hip and knee arthroplasty clinics at Mount Sinai Hospital and Holland Orthopaedic, Arthritic Centre and the New England Baptist Hospital in US(1) and Canada (2) English-speaking patients who were at least eighteen years old and who had undergone primary or revision hip or knee arthroplasty at least three months earlier were eligible to participate in the study. Method: Convenient sampling 	In person- "Patients attending follow-up arthroplasty clinics at the participating hospitals were asked by clinic personnel or the first author"	88% for US, 92% for Canada, Combine d rate: 90%	In-person, self- administered questionnaires (with no assistance) 40 item questionnaire (3- likert scale):	 Validity of tool: Not reported Pilot testing: Yes "Testing the derived questionnaire on nonsurgical volunteers and postoperative arthroplasty patients in addition to using cognitive interviews to ensure that questions would be understood."

Holbrook,	Not reported but authors	•Frame: A database of phone	Telephone interview	46.8%	Telephone survey	•Validity of tool: Yes
2013[15]	mentioned the target was	numbers	"Random digit dial			"Tool was previously
	1000 Canadian residents to	Adult population of Canada (adults 18	procedures were			developed based on a
	allow the proportions to be	years of age or older who speak	utilized to select			systematic review of the
	estimated with an accuracy	English or French), and reside in	households across			literature, COI
	of $\pm 3\%$, with 95%	private homes	Canada and, within			guidelines and
	connuence	• Method: Stratified random sampling	households: the most			bilingual translation
		. All 10 provinces, but not the	recent birthday			experts and validated
		representation in proportion to	selection method			using a series of
		population."	used"			cognitive interviews"
		· · · · · · · · · · · · · · · · · · ·	ubou			•Pilot-testing: Not
						reported

b. Checklist for methodological quality of included qualitative studies

Author's	Was there a	Is a	Was the	Was the	Was the data	Has the	Have ethical	Was the data	Is there a	How
last name,	clear	qualitative	research	recruitment	collected in a	relationship	issues been	analysis	clear	valuable
publication	statement of	methodolo	design	strategy	way that	between	taken into	sufficiently	statement of	is the
year (SN)	the aims of	gy	appropriate to	appropriate to	addressed the	researcher and	consideration?	rigorous?	findings?	research?
	the research?	appropriat	address the	the aims of the	research issue?	participants				
		e?	aims of the	research?		been adequately				
			research?			considered?				
Oakes,	Y	Y	Y	Y	Y	N	Y	?	Y	Y
2015[16]										

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