Supplement digital content 1 for "A systematic review of social contact surveys to inform transmission models of close contact infections"

Table 1: The comprehensive table of all social contact surveys.

	finishing		Authors of first		Relevant			Final Sample					Assistance for your	ng			Types of contacts		Characteristics of	Charactersitics of	of		uency of W	eekend Holi	day period
Nr	survey	Countries	publication	publicatio pu	ublications	Study settings	Study subjects	size	Response rates	Sampling scheme	Data collection tools	Collection modes Face-to-face	children	Study design	Reporting period	Definiton of a reporting day	contacts	Definition of contacts used	participants	contacted person	contacts			cluded in	cluded
1	1986	The Netherlan	Wallinga et al	2006		Community	All excluding 0-1 year	2106	68.3%	Random sampling	Paper diary	interview	NA		typical week	NA NA	1	Face-to-face conversation	Age, hh size	Age	No		No	No	No
2	1986	The Netherlan	Wallinga et al	2006		Community	From 1 to 70 years old	1493	29.9%	Random sampling	Paper diary	Self-report	NA	Retrospective N	IA.	NA NA	1	Face-to-face conversation	Age, hh size	Age	No	No	No	No	No
																		A contact was defined as a two way conservation (at a							
																A day was defined as beginning when the		distance which did not require raising the voice) in which at least two words were spoken by each party and in which							
							Adult (staff, Students and their									participant got up and ending		there was no physical barrier between the two parties (such	Age, living						
3	1995	UK	Edmunds et al	1997		University	families and friends)	92	NA	Convenience sampling	Paper diary	Self-report	NA	Prospective C	One randomly assigned day	when they went to bed	1	as security screens).	arrangements	Age	Yes	No	No	Yes	No
																From waking until going to		Type 1: any face-to-face conversation; Type 2: any skin-to-skin physical contact (such as a							
4	1998	UK	Read et al	2008		University	Staff and students	49	NA	Convenience sampling	Paper diary	Self-report	NA.	NA 1	4 non-consecutive days	sleep	2	handshake or kiss).	Age, gender, hhs size	NA	Yes	No	No	NA	No
															Retrospective design: Typical										
														v	vorkday and weekend day, esterday and past week										
												Self-report on		y	Prospective design: Randomly			Type 1: a two-way conversation of at least three words							
											Paper diary and online	paper and on web			ssigned one workday and one			Type 2: a contact which involved any sort of physical skin-							
5	2003	Belgium	Beutels et al	2006		University	Students and staff	73	NA	Convenience sampling	diary	interface	NA NA	and Prospective v	veekend day.	NA	2	to-skin touching	Age, gender, occupation	Age, gender	Yes	No	No	Yes	No
																		Type 1: Intimate contacts; Type 2: Close contacts (same household):							
																		Type 3: direct conversation (>2 minute duration and within							
																		2 meter distance);							
																		Type 4: small group (with conversations, but less intensive than in direct conversation);							
																		Type 5: larger group (seminary or lecture room);	Age, gender, hhs size,						
1 -	2003	Correct	Mikolaine	2008		Helior Nr.	Students	38	50%	Commission	Dane- d'	Self-report	NA.		One previous day in 5 consecutive weeks	NA.	_	Type 6: occasional contacts (in the range of 2 meter in local transportation, cinema)	country of birth, nationality	Ann contro	A	Yes	Voc	No	No
7	2003	Germany	Mikolajczyk et al Mikolajczyk et al	2008		University University	Students Students	38 196		Convenience sampling Convenience sampling	Paper diary Paper diary	Self-report Self-report	NA NA	Retrospective C		NA NA	6	As above	As above	Age, gender Age, gender	No No		Yes Yes	Yes	No No
	2004	Company	Mikolajczyk et al	2008		University	Students	28	100%	Convenience sampling	Paper diary	Self-report	NA.	Retrospective 2	previous day	NA.		As above	As above	No	No	No	No	Voc	No
	2004	Octimality	WINGIGGETYN CT UI	2000		Onversity	Statellia		100%	convenience aumpning	ruper diary	Scii Teport	100	netrospective 2	previous day	No.		AS BROVE	A) UDONC	110	110	140	110	10	140
																			Age, gender, hhs size,						
q	2004	Germany	Mikolajczyk et al	2008		Primary school	Punils	310	79.40%	Convenience sampling	Paper diary	Self-report	NA.	Retrospective C	One previous day	NA.	1	A contact is defined as a person with whom the child spoke or played with	country of birth, nationality, school grade	Age	No	Yes	Yes	Yes	No
			, , , , , , , , , , , , , , , , , , , ,								. apar. anar.j								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
																		Type 1: physical contact without conversation; Type 2: conversation without physical contact;							
																		Type 3: conversation with non-sexual physical contact;							
																		Type 4: sexual contact including kissing of a sexual nature.							
																A day is defined as the time		A conversation is defined as a situation in which either party said a single word or more, at a distance that did not							
																period between getting up		require voices to be raised and in the absence of physical	Age, gender, living and						
10	2005	UK	Edmunds et al	2006		University	Students	35	NA	Convenience sampling	Paper diary	Self-report	NA	Prospective 3	randomly assigned day	and going to bed.	4	barriers such as security screens.	working arrangements	Age, gender	Yes	No	No	Yes	No
11	2005	Germany	Mikolajczyk et al	2008		University	Students	803	69%	Convenience sampling	Paper diary	Self-report	NA	Retrospective 2	previous day	NA NA	- 6	As above	As above	No	No	No	No	Yes	No
															One previous day and same day										
12	2006	Germany	Mikolajczyk et al	2008		University	Students	115	100%	Convenience sampling	Paper diary	Self-report	NA	and Prospective In	ext week	NA NA	6	As above	As above	Age, gender	No	Yes	Yes	Yes	No
					2009), Potter																				
				(2011), Goesova	, Potter (2013), aerts (2010),																				
				Melega	aro(2011),																				
					imi (2009), chamar (2009).					Quota sampling by age, sex, geographical region,			Parents to fill in diaries of young					Type 1: a two-way face-to-face conversation of at least three words							
				Xia(201	16), Volz					rural/urban			children (<10) on		2 random days: 1 weekday and 1	During a 24-hour period		Type 2: a contact which involved any sort of physical skin-	Age, gender, hhs size,						
13	2006	Belgium	Mossong et al	2008 (2011),	, De Cao (2014)	Community	People of all ages	750	NA		Paper diary	Self-report	their behalf	Prospective v	veekend day	starting at 5 am	2	to-skin touching	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
				Melea	aro(2011),																				
				Kretzsc	chamar (2009),								Parents to fill in												
					(2011), 16), Volz					Quota sampling by age and			diaries of young children (<10) on						Age, gender, hhs size.						
14	2006	Finland	Mossong et al		, De Cao (2014)	Community	People of all ages	1006	NA	sex	Paper diary	Self-report	their behalf	Prospective A	randomly assigned day	As above	2	As above	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
		1			.h (7)									1 7							1 7				·
				Rretzsc Potter	chamar (2009), (2011), Volz					Quota sampling by age				1					Age, gender, hhs size,						
15	2006	Germany	Mossong et al	2008 (2011),	, De Cao (2014)	Community	People of all ages	1341	NA		Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	2	As above	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
					aro(2011),									1			l]						
				Bryan ((2013),					Quota sampling by age, sex,			1	1			l								
				Kretzsc	chamar (2009),					Quota sampting by age, sex, geographical region			1	1			l								
		1			(2011), 16), Volz									1 1					Age, gender, hhs size,						
16	2006	Great Britain	Mossong et al	2008 (2011),	, De Cao (2014)	Community	People of all ages	1012	NA		Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	2	As above	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
					(2044)									1											
				Melega Kretzso	aro(2011), chamar (2009),					Quota by age, sex,				1											
		1		Potter	(2011),					geographical region,				1 1											
17	2006	Italy	Mossong et al		16), Volz i, De Cao (2014)	Community	People of all ages	849	NA	rural/urban and day of the week	Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	,	As above	Age, gender, hhs size, occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
1/	2000	· sury	renosouring et all			Community	prc or on ages	U42	NA.		rupci uldry	Jan Teport	2, above	1 TOUSECUIVE A	y wangocu uay	NA MINUTE	-	73 000VC	oporton,cuucation	nge, genuer	,es	10	- had		
				Kretzsc	chamar (2009), (2011), Volz					Onete complier to				1					Ago gondor his						
18	2006	Luxembourg	Mossong et al	2008 (2011),	(2011), Volz J. De Cao (2014)	Community	People of all ages	1051	NA	Quota sampling by age and sex	Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	2	As above	Age, gender, hhs size, occupation, education	Age, gender	Yes	Yes	Yes	Yes	Yes
	,			1000													_			J., 3******	-				
				Melega	aro(2011), chamar (2009).									1											
				Potter	(2011),					Quota sampling by age, sex,			1	1 1			l				1 1				
	2006	Date and		Xia(201	16), Volz					geographical region,		5-W		1	and the second second		_	A contraction	Age, gender, hhs size,		1 1				
19	ZUUb	rosand	Mossong et al	2008 (2011),	, De Cao (2014)	Community	People of all ages	1012	NA.	rural/urban	Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	2	As above	occupation,education	Age, gender	Yes	Yes	res	res	res
				Bryan ((2013),									1 1											
		The			chamar (2009), (2011) Volz					Quota sampling by age and				1 1					Age, gender, hhs size,						
20	2006	Netherlands	Mossong et al		, De Cao (2014)	Community	People of all ages	269	NA	geographical region	Paper diary	Self-report	as above	Prospective A	randomly assigned day	As above	2	As above	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
			-	-														·							_

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																	Type 1: a two-way face-to-face conversation of at least three words							
			van de Kassteele							Quota sampling by age and					During a 24-hour period		Type 2: a contact which involved any sort of physical skin-	Age, gender, hhs size,						
21	2006	The Netherlan	at al	2017		Community	People of all ages	825	NA	geographical region	Paper diary	Self-report on paper	Parents	Prospective A randomly assigned day	starting at 5 am	2	to-skin touching Type 1: skin-to-skin contact:	occupation,education	Age, gender	Yes	Yes	Yes	Yes	Yes
															During a 24-hour period		Type 2: a two-way face-to-face conversation with three or	Age, gender, hhs size,						
22	2007	Germany	Bernard et al	2009		Hospital	Nurses	131	82%	Multi-stage sampling	Paper diary	Self-report	NA	Prospective An assinged day	starting at 5 am	2	more words Type 1: close within 3 feet;	occupation,education	Age, gender	Yes	Yes	Yes	Yes	No
																	Type 2: close and talking,;							
23	2007	US	Glass et al	2008		School	Pupils	249	NA	Convenience sampling	Paper diary	Self-report	NA	Typical school days, weekends, Retrospective weeks, months or years	NA	4	Type 3: close, talking and touching; Type 4: kissing	Age, gender, grade	Age	No	No	No	Yes	No
																		0.00						
															Starting at 5 a.m. on the morning of the day assigned		Type 1: skin-to-skin contact (a physical contact); Type 2: a two-way conversation with three or more words							
													hild's parent or		and ending at 5 a.m. the next		in the physical presence of another person but no							
24	2007	Vietnam	Horby et al	2011		Community	People of all ages	865 /264 Hhs	NA	Multi-stage sampling	Paper diary	interview Pa	guardian rents responded	Retrospective The day preceding the interview	morning	2	skin-to-skin contact (a nonphysical contact) Type 1: A face-to-face conversation lasting from 1 minute	Age, gender, hhs size	Age, gender	Yes	Yes	Yes	Yes	No
												Computer assisted on I	behalf of children				or over (Speaking interaction);							
25	2008	US	DeStefano et al	2011		Community	People of all ages	4135	21.7%	Stratified sampling	Electronic questionnaire	telephone ag interview	ged less than 18 years	Retrospective A previous day	NA NA	2	Type 2: Close proximity contacts within 6 feet for equal and more than 15 minutes	Age, gender, symptoms	No	Yes	NA	NA	Yes	Yes
											Paper diary and A hand-held electronic			6 days including 3 days using a			Type 1: a two way or small group conversational exhange of							
26	2008	Australia	Mccaw et al	2010	Bolton (2012)	Community	University employees	65	NA	Convenience sampling	A hand-held electronic diary	Self-report	NA	Both retrospective paper diary and 3 days using an and Prospective electronic recording device	A study day commenced on waking and ended with sleep.	2	at least 3 words; Type 2: Any skin-to-skin contact	Age, gender, hhs size	Age, gender, occupation	Yes	Yes	No	Yes	No
27	2009	116	Potter et al	2012		High schools	Pupils	246	57.9%	Convenience sampling	Paper diary	Self-report	NA.	NA During class break and lunch break	, NA		Being in close proximity for more than roughly 5 minutes	Ago gondor	NA.	No	No	No	No	
	2003	0.5	TORRET CE UI	1011		Tilgii sciloois	Tupiu	140	37.374	convenience sampling	ruper diary	Scii report	No.	THE DUTING COST OF CAR AND TAKEN OF CAR	NA.	•	Type1: a mutual conversation of more than 10 words	Age, gender	NA.	140	140	110	140	
																	within a short distance (<2m); Type 2: physical contact in general;							
28	2009	Switzeland	Smieszek et al	2009		Community	Adult	54	NA	Convenience sampling	Paper diary	Self-report	NA	Retrospective 14 days	NA	3	Type 3: contact involving kisses.	Age, gender, occupation	No	No	Yes	No	Yes	No
20	2010	Taiwan	Chen et al	2012	You (2013)	Junior high school	Pupils	274	67%	Convenience sampling	Paper diary	Self-report	NA.	assinged weekday and 1 during a Prospective randomly assinged weekend day	After awakening until bedtime	2	words were spoken at a distance that did not require raised voice, no physical barrier between 2 parties (conversation		Age, health status, wearing a mask	Voc	Voc	Voc	Voc	No
2.9		Talwall				Julior High School					Paper diary and web-based		NA.	Prospective Talluorilly assinged weekend day	Arter awakening until beutime	- 2	Type 1: Face to face conversation within 3m/ 10 feet	ileaitii status	wearing a mask	ies	ies	ies	165	INO
30	2010	Great Britain	Danon et al	2012	Danon(2013)	Community	People of all ages	5388	3.8%	Random sampling	questionnaires	Self-report	NA	Prospective A single day Two assinged day (one day during	NA NA	2	Type 2: Physical contact Type 1: Talking face to face;	Age, gender	NA NA	Yes	Yes	Yes	NA	No
														school term and one day during			Type 2: skin-to-skin contact, e.g. a handshake, a kiss, contact							
31	2010	UK	Eames et al	2010		Schools Primary and	Pupils	119	10.8%	Convenience sampling	Paper diary	Self-report	NA	NA (paired survey) half-term holiday) 2 days (1 in school term and 1 in	NA	2	sports	composition Age, gender, hhs size,	Age, gender	Yes	Yes	Yes	NA	No
32	2010	UK	Eames et al	2011		secondary schools	Pupils	135	12.3%	Convenience sampling	Paper diary	Self-report	NA	Prospective holiday)	NA	2	As above	public transport use	Age, gender	Yes	Yes	Yes	NA	Yes
														Two assinged day (one day when			Type 1: Talking face to face;							
27	2010	UK	Eames et al	2010	Van kerckhove (2013)	Community	Patients	317	10.6%	Convenience sampling	Paper diary	Self-report	NA.	being ill and one day when NA (paired survey) recovered)	NA NA	,	Type 2: skin-to-skin contact, e.g. a handshake, a kiss, contact sports	Age, sex, hhs size and composition	Age, gender	Yes	Yes	Yes	NA.	No
- 53												Self-report on web					Type 1: face-to -face conversation;		rige, genuer	103		103		
34	2010	UK	Eames et al	2012		Community	Internet users	3338	NA	Convenience sampling	Online diary	interface	NA A parent or a	Retrospective A previous day	NA NA	2	Type 2: Physical contact	Age, gender, vaccination	Age	Yes	No	No	NA	Yes
												gua	ardian who knew											
													the child well answered the											
					Bryan (2013), Chan					Three-stage systematic		q	uestions on the				Type 1: Verbal comunication made within 2 meters;							
35	2010	Taiwan	Fu et al	2012	(2015)	Community	People of all ages	1943	46.2%	probability sampling	Paper diary	ace-to-face intervie	child's behalf	Retrospective A previous day	The past 24 hours	2	Type 2: Physical contact	Age, gender, hhs size	Age	Yes	Yes	Yes	NA	No
														A typical school day and a typical										
36	2010	UK	Jackson et al	2011		Secondary schools	Pupils	107	83.6%	Convenience sampling	Paper diary	Self-report	NA	Retrospective day during school sclosures	NA NA	1	Face-to-face conversation	Age, gender	Age	Yes	No	No	No	Yes
												F	or participants											
												ur	nder 11, parents /guardians				Type 1: skin-to-skin contact;							
										Statistical according to the con-		con	mpleted the diary		D		Type 2: a two-way conversation with three or more words Type 3: Casual contact occuring in an in-door location, but							
		South Africa	Inhartono et al	2011	Wood (2012)	Community (a town	n) People of all ages	571	77.4%	Stratified sampling by age groups	Paper diary	Self-report	vey together with the child		During a 24-hour period starting at 5 am	2	not satifying the criteria for Type 1 and Type 2	employment status, level of schooling	Ann nondor			Voc	Vec	No
37	2010											Seir-report	the thin	Prospective An assigned day	starting at 3 ann		not satifying the criteria for Type 1 and Type 2	level of schooling		Yes	Yes			
37	2010	Hong Kong	Kwok et al			Community		770		Random sampling						2	Type 1: face to face conversation	Ana	Age, genuer	Yes	Yes	No.	Vec	No
38	2010	Hong Kong	Kwok et al	2014		Community	People of all ages	770	NA	Random sampling (random digit dialing) Stratified samplying by	Paper diary	ace-to-face intervie	NA	Retrospective A previous day	NA.	2	Type 1: face to face conversation Type 2: skin-to-skin contact Type 1: have a conversation with at least 3 words;	Age	Age, gentier	Yes Yes	Yes	No	Yes	No
37 38 39	2010	Hong Kong France	Kwok et al	2014		Community		770 1377/601 hhs		Random sampling (random digit dialing)		ace-to-face intervie	NA NA			2	Type 1: face to face conversation Type 2: skin-to-skin contact	Age Age, gender	Age Age	Yes Yes Yes	Yes Yes	No No	Yes NA	No
37 38 39				2014			People of all ages		NA	Random sampling (random digit dialing) Stratified samplying by	Paper diary	ace-to-face intervie	NA NA Parents were interviewed on	Retrospective A previous day	NA NA	2	Type 1: face to face conversation Type 2: skin-to-skin contact Type 1: have a conversation with at least 3 words; Type 2: Physical contact with	Age	-	Yes Yes Yes	Yes Yes			No
37 38 39				2014			People of all ages		NA NA	Random sampling (random digit dialing) Stratified samplying by	Paper diary	ace-to-face intervie	NA NA Parents were interviewed on ehalf of children	Retrospective A previous day Retrospective 3 consecutive days	NA.	2 2	Type 1: face to face conversation Type 2: skin-to-skin contact Type 1: have a conversation with at least 3 words;	Age	-	Yes Yes Yes Yes	Yes Yes Yes			No No
37 38 39	2010	France	Lapidus an et al	2014		Community	People of all ages People of all ages	1377/601 hhs	NA NA	Random sampling (random digit dialing) Stratified samplying by geography	Paper diary Paper diary	ace-to-face intervie	NA NA Parents were interviewed on	Retrospective A previous day	NA NA From waking to going	2 2	Type 1: face to face conversation Type 2: Ainth-oak nortact Type 3: Nave a conversation with at least 3 words; Type 2: Physical contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact	Age	Age	Yes Yes Yes Yes	Yes Yes Yes	No	NA	No No
37 38 39 40	2010	France	Lapidus an et al	2014		Community	People of all ages People of all ages	1377/601 hhs	NA NA	Random sampling (random digit dialing) Stratified samplying by geography	Paper diary Paper diary	ace-to-face intervie	NA NA Parents were interviewed on ehalf of children	Retrospective A previous day Retrospective 3 consecutive days	NA NA From waking to going	2 2	Type 1: a face to face conversation Type 2: New 2- contact with Type 1: New 2- conversation with at least 3 words; Type 2: Physical contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 2: A conversation held at less than 2 meters distance and with more than the words spoken with other	Age	Age	Yes Yes Yes Yes	Yes Yes Yes	No	NA	No No
37 38 39 40	2010	France	Lapidus an et al	2014	Lapidus (2013)	Community	People of all ages People of all ages Greater than 2 years old	1377/601 hhs	NA NA	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol	Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b ace-to-face intervie de	NA NA Parents were interviewed on ehalf of children	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day	NA NA From waking to going	2 2 2	Type 1: Race to face conversation Type 2: Binto-basin contact Type 1: Nave a conversation with at least 3 words; Type 2: Physical contact with Type 1: A facet-to-face convesation; Type 2: A short-o-sain contact Type 1: A conversation held at less than 2 meters distance and with more than ten words spoken with other participants;	Age Age, gender NA	Age	Yes Yes Yes Yes	Yes Yes Yes Yes	No	NA	No No
37 38 39 40	2010	France	Lapidus an et al	2014		Community	People of all ages People of all ages Greater than 2 years old	1377/601 hhs 1821/856 hhs	NA NA 49.9%	Random sampling (random digit dialing) Stratified samplying by geography	Paper diary Paper diary	ace-to-face intervie	NA NA Parents were interviewed on ehalf of children	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days	NA NA From waking to going to bed NA	2 2 2	Type 1: A conversation Type 2: Bint-0-bin contact Type 1: Nave a conversation with at least 3 words; Type 2: Physical contact with Type 1: A facet-to-face convesation; Type 2: A shirt-o-sain contact Type 1: A conversation held at less than 2 meters distance and with more than ten words spoken with other participants; Type 2: any sort of physical contact with other participants	Age Age, gender NA	Age NA	Yes Yes Yes Yes No	Yes Yes Yes Yes	No	NA	No No
37 38 39 40 41	2010	France	Lapidus an et al Read et al Smieszek et al	2014	Lapidus (2013)	Community Community Research Institute	People of all ages People of all ages Greater than 2 years old	1377/601 hhs 1821/856 hhs	NA NA 49.9%	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol	Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b ace-to-face intervie de	NA NA Parents were interviewed on ehalf of children	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1	NA NA From waking to going to bed NA A study day commenced on	2 2 2 2 2	Type 1: I face to face conversation Type 2: Bint-obst contact Type 1: Inswe a conversation with at least 3 words; Type 2: Physical contact with Type 1: I face to face convesation; Type 2: A size to face convesation; Type 2: A conversation held at less than 2 meters distance and with more than the words spoken with other participants; Type 2: Any sort of physical contact with other participants Type 1: Sixt-o-skin contact;	Age Age, gender NA Age, gender	Age NA Name	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes	No	NA	No No No
37 38 39 40 41	2010 2010 2010 2011	France China Switzeland Australia	Lapidus an et al Read et al Smieszek et al Campbell et al	2014 2012 2014 2014 2012 2017	Lapidus (2013) Potter (2015)	Community Community Research institute Community	People of all ages People of all ages Greater than 2 years old	1377/601 hhs 1821/856 hhs 50	NA NA 49.9%	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol Convenience sampling Convenience sampling	Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b ace-to-face intervie de Self-report Self-report on pape	NA NA Parents were interviewed on ehalf of children emed too young	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 random days: 1 weekday and 1 weekend day	NA NA From waking to going to bed to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the	2 2 2 2 2 2	Type 1: face to face conversation Type 2: Binto-disk contact Type 1: This war a conversation with at least 3 words; Type 2: Physical contact with Type 2: Physical contact with Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 3: a focus of physical contact with other participants; Type 2: any conformation with at least 3 words Type 1: skin-to-skin contact; Type 1: skin-to-skin contact; Type 2: a two-way conversation with at least 3 words was longer than a greeting and thistin an arm' reach;	Age, gender NA Age, gender Age, household size, inco	NA Name Age, gender, occupatio	No	Yes Yes Yes Yes	No	NA NA No	No No No
37 38 39 40 41 42 43	2010	France China Switzeland	Lapidus an et al Read et al Smieszek et al	2014	Lapidus (2013)	Community Community Research Institute	People of all ages People of all ages Greater than 2 years old	1377/601 hhs 1821/856 hhs	NA NA 49.9%	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol	Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i be ace-to-face intervie de	NA NA Parents were interviewed on ehalf of children emed too young	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1	NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview	2 2 2 2 2	Type 1: Race to face conversation Type 2: Bind-obt contact Type 1: Nave a conversation with at least 3 words; Type 2: Phytical contact with Type 1: A face-to-face conversation; Type 2: Phytical contact Type 1: A conversation notact Type 1: A conversation held at less than 2 meters distance and with more than ten words spoken with other Type 2: Any sort of phytical contact with other participants. Type 1: A conversation held at less than 2 meters distance and with more than ten words spoken with other Type 1: A words of the contact with other participants. Type 1: A words of the contact with other participants of the contact with other participants.	Age Age, gender NA Age, gender	Age NA Name	No	Yes Yes Yes Yes Yes	No	NA NA No	No No No No
37 38 39 40 41 42 43 44	2010 2010 2010 2011	France China Switzeland Australia	Lapidus an et al Read et al Smieszek et al Campbell et al	2014 2012 2014 2014 2012 2017	Lapidus (2013) Potter (2015)	Community Community Research institute Community	People of all ages People of all ages Greater than 2 years old	1377/601 hhs 1821/856 hhs 50	NA NA 49.9%	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol Convenience sampling Convenience sampling	Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b ace-to-face intervie de Self-report Self-report on pape	NA NA Parents were interviewed on ehalf of children emed too young	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 random days: 1 weekday and 1 weekend day	NA NA From waking to going to bed to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the	2 2 2 2 2 2 2 2	Type 1: a face to face conversation Type 2: Binth - obtic notate: Type 1: have a conversation with at least 3 words; Type 2: Rywaic contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact: Type 2: any conversation held at less than 2 meters distance and with more than ten words spoken with other participants; Type 2: a skin-to-skin contact: Type 3: a skin-to-skin contact: Type 4: a skin-to-skin contact: Type 4: a skin-to-skin contact: Type 4: a skin-to-skin contact: Type 5: a skin-to-skin contact: Type 6: a skin-to-skin contact: Type 6: a skin-to-skin contact: Type 6: a skin-to-skin contact: Type 7: a skin-to-skin contact: Type 7: a skin-to-skin contact: Type 8: a skin-to-skin contact: Type 9: a skin-	Age, gender NA Age, gender Age, household size, inco	NA Name Age, gender, occupatio	No	Yes Yes Yes Yes Yes Yes Yes Yes	No	NA NA No	No N
37 38 39 40 41 42 43 44	2010 2010 2010 2011 2011	France China Switzeland Australia South Africa	Read et al Smieszek et al Campbell et al	2014 2012 2014 2014 2012 2017 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research institute Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults	1377/601 hhs 1821/856 hhs 50 220	NA NA 49.9% NA 97.34% NA	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol Convenience sampling Convenience sampling Stratified sampling	Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b ace-to-face intervie de Self-report Self-report on pape ace-to-face intervie	NA NA Parents were interviewed on ehalf of children emed too young NA NA	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 andom day: 1 weekday and 1 weekend day Retrospective A previous day	NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the indicase of the control of the con	2 2 2 2 2 2 2 2 2	Type 1: a face to face conversation Type 2: New 2 conversation Type 3: New 2 conversation with at least 3 words; Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 3: a face-to-face convesation; Type 3: a skin-to-skin contact T	Age, gender NA Age, gender Age, pousehold size, inco Age, pender, hhs size	NA Name Nage, gender, occupatio Age, gender	No	Yes Yes Yes Yes Yes Yes Yes Yes	No Yes No No Yes	NA NA NO Yes Yes	No No No No No
37 38 39 40 41 42 43 44	2010 2010 2010 2011 2011 2011	France China Switzeland Australia South Africa	Read et al Smieszek et al Campbell et al Dodd et al	2014 2012 2014 2014 2012 2017 2015 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults	1377/601 hhs 1821/856 hhs 50 220 1272 2256	NA NA 49.9% NA 97.34% NA NA	Random sampling (random digit dalang) Stratified samplying by geography Convenience sampling of hoseshol Convenience sampling Stratified sampling Stratified sampling Stratified sampling	Paper diary	ace-to-face intervie ace-to-face intervie i b- ace-to-face intervie self-report self-report on pape ace-to-face intervie ace-to-face intervie	NA NA Parents were nterviewed for half of children NA NA NA NA	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 andom days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective A previous day	NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview The 24 hours preceding the	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Type 1: I face to face conversation Type 2: Bint-o binc contact Type 1: I have a conversation with at least 3 words; Type 2: Type 2: Physical contact with Type 1: A face-to-face convesation; Type 2: A significant contact Type 1: A conversation held at less than 2 meters distance and with more than ten words spoken with other Type 2: Any sort of physical contact with other participants Type 2: Any conversation held at less than 2 meters distance and with more than ten words spoken with other Type 2: A two-way conversation with at least 3 words vasis longer than a genering and thain an arm' reach; Type 2: Casual contacts: contacts with people who were As above another person that is physically present and no farther than 3 meters; Type 2: a physical contact involving signif-to-skin touching, a	Age Age, gender NA Ase, gender Age, household size, inco Age, gender, hhs size Age, gender, hhs size	Age NA Name Age, gender, occupatio Age, gender	No	Yes Yes Yes Yes Yes Yes Yes	No Yes No No Yes	NA NA NO Yes Yes	No N
37 38 39 40 41 42 43 44	2010 2010 2010 2011 2011	France China Switzeland Australia South Africa	Read et al Smieszek et al Campbell et al	2014 2012 2014 2014 2012 2017 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research institute Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults	1377/601 hhs 1821/856 hhs 50 220	NA NA 49.9% NA 97.34% NA	Random sampling (random digit dialing) Stratified samplying by geography Random sampling of househol Convenience sampling Convenience sampling Stratified sampling	Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary Paper diary	ace-to-face intervie ace-to-face intervie i b b cace-to-face intervie self-report self-report on pape ace-to-face intervie ace-to-face intervie ace-to-face intervie ace-to-face intervie Self-report on	NA NA Parents were interviewed on ehalf of children emed too young NA NA	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 andom day: 1 weekday and 1 weekend day Retrospective A previous day	NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the indicase of the control of the con	2 2 2 2 2 2 2 2	Type 1: A face to face conversation Type 2: Bink-to-skin contact Type 1: New a conversation with at least 3 words; Type 1: A face-to-face convesation; Type 2: A spike-to-skin contact Type 1: A face-to-face convesation; Type 2: A spike-to-skin contact Type 1: A conversation held at less than 2 meters distance and with more than the words spoken with other participants; Type 1: Skin-to-skin contact Type 2: A spike-to-skin contact Type 2: A spike-to-skin contact Type 2: A spike-to-skin contact Type 3: A spike-to-skin touching, a As above An above An another person that is physically spike-to-skin touching, a kins or handshake (either with or without conversation)	Age, gender NA Age, gender Age, pousehold size, inco Age, pender, hhs size	NA Name Nage, gender, occupatio Age, gender	No	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No Yes No No Yes	NA NA NO Yes Yes	No N
37 38 39 40 41 42 43 44	2010 2010 2010 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru	Lapidus an et al Read et al Smieszek et al Campbell et al Dodd et al Dodd et al	2014 2012 2014 2014 2012 2017 2015 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256	NA NA 49.9% NA 97.34% NA NA NA	Random sampling Irandom digit dalang) Stratified samplying by geography Convenience sampling Convenience sampling Stratified sampling Stratified sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling	Paper diary	ace to face intervie sce-to-face intervie ib to see to face intervie see to face intervie seef report Self-report on pape sce-to-face intervie sce-to-face intervie sce-to-face intervie sce-to-face intervie sce-to-face intervie	NA NA Parents were nterviewed for half of children NA NA NA NA	Retrospective A previous day Retrospective 1 previous day NA 5 working days Prospective 2 random days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective A previous day Retrospective A previous day	NA NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview the 24 hours preceding the midright the interview displays the size of the 25 hours of the 25 hours of the 25 hours of the 26 hours of th	2 2 2 2 2 2 2 1	Type 1: a face to face conversation Type 2: hint-obt contact Type 1: have a conversation with at least 3 words; Type 2: have a conversation with at least 3 words; Type 2: hydrac contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 1: skin-to-skin contact Type 2: a skin-to-skin contact Type 3: a skin-to-skin Type 3: a	Age, gender NA Age, gender Age, household size, inco Age, gender, hhs size Age, gender, hhs size Age, gender, hhs size	Name Name Nage, gender, occupatio Age, gender Age, gender Age, gender	No	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No Yes No No Yes	NA NO Yes Yes Yes	No N
37 38 39 40 41 42 43 44 45	2010 2010 2010 2011 2011 2011	France China Switzeland Australia South Africa	Read et al Smieszek et al Campbell et al Dodd et al	2014 2012 2014 2014 2012 2017 2015 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults	1377/601 hhs 1821/856 hhs 50 220 1272 2256	NA NA 49.9% NA 97.34% NA NA	Random sampling Irandom digit dalang) Stratified samplying by geography Convenience sampling Convenience sampling Stratified sampling Stratified sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling	Paper diary	ace-to-face intervie sce-to-face intervie be ace-to-face intervie self-report self-report on pape sce-to-face intervie sce-to-face intervie sce-to-face intervie sce-to-face intervie sce-to-face intervie sce-to-face intervie	NA NA Parents were interviewed on ehalf of children NA NA NA NA NA NA NA NA NA N	Retrospective A previous day Retrospective 3 consecutive days Retrospective 1 previous day NA 5 working days Prospective 2 andom days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective A previous day	NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the indicase of the control of the con	2 2 2 2 2 2 2 2 2 1	Type 1: a face to face conversation Type 2: hint-obst contact Type 1: have a conversation with at least 3 words; Type 2: have a conversation with at least 3 words; Type 2: hydrac contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 1: skin-to-skin contact Type 1: skin-to-skin contact Type 2: any conversation held at less than 2 meters distance and with more than the words spoken with other participants; Type 2: a skin-to-skin contact; Type 2: a skin-to-skin contact; Type 2: a skin-to-skin contact; Type 2: casual contacts; contacts with people who were As above and the skin-to-skin contact; Type 2: skin-to-skin contacts; Type 2: skin-to-skin contacts; Type 2: skin-to-skin contacts; Type 2: skin-to-skin contacts; Type 3: skin-to-skin touching, a type 2: skin-to-skin contacts; Type 3: skin-to-skin touching, a type 3: skin-to-skin touching, a type 4: skin-to-skin contacts; Type 3: skin-to-skin touching, a type 4: skin-to-skin contacts; Type 4: skin-to-skin touching, a type 4: skin-to-skin touching, a type 4: skin-to-skin touching, a type 5: skin-to-skin touch	Age, gender NA Age, gender Age, household size, inco Age, gender, hhs size Age, gender, hhs size Age, gender, hhs size Age, gender, hhs size	Age NA Name Age, gender, occupatio Age, gender	No	Yes	No Yes No No Yes	NA NA NO Yes Yes	No N
37 38 39 40 41 42 43 44 45	2010 2010 2010 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru	Lapidus an et al Read et al Smieszek et al Campbell et al Dodd et al Dodd et al	2014 2012 2014 2014 2012 2017 2015 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256	NA NA 49.9% NA 97.34% NA NA NA	Random sampling Irandom digit dalang) Stratified samplying by geography Convenience sampling Convenience sampling Stratified sampling Stratified sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling Convenience sampling	Paper diary	ace to face intervie sce to face intervie sce to face intervie de sce to face intervie de self-report self-report on pape ace to face intervie sce to face intervie self-report on pape interface intervie self-report on pape interface interface processor pro	NA NA Parents were nterviewed for half of children NA NA NA NA	Retrospective A previous day Retrospective 1 previous day NA 5 working days Prospective 2 random days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective A previous day Retrospective A previous day	NA NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview the 24 hours preceding the midright the interview displays the size of the 25 hours of the 25 hours of the 25 hours of the 26 hours of th	2 2 2 2 2 2 2 2	Type 1: a face to face conversation Type 2: hint-obt contact Type 1: have a conversation with at least 3 words; Type 2: have a conversation with at least 3 words; Type 2: hydrac contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 2: a skin-to-skin contact Type 1: skin-to-skin contact Type 2: a skin-to-skin contact Type 3: a skin-to-skin Type 3: a	Age, gender NA Age, gender Age, household size, inco Age, gender, hhs size Age, gender, hhs size Age, gender, hhs size	Name Name Nage, gender, occupatio Age, gender Age, gender Age, gender	No	Yes	No Yes No No Yes	NA NO Yes Yes Yes	No N
37 38 39 40 41 42 43 44 45 46	2010 2010 2010 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru	Lapidus an et al Read et al Smieszek et al Campbell et al Dodd et al Dodd et al	2014 2012 2014 2014 2012 2017 2015 2015	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community Community Community	People of all ages People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256	NA NA 49.9% NA 97.34% NA NA NA	Random sampling Irandom digit dalang) Stratified samplying by geography Convenience sampling Convenience sampling Stratified sampling Convenience sampling Convenience sampling Stratified sampling Convenience sampling Stratified sampling Convenience sampling Stratified sampling Convenience sampling Convenience sampling	Paper diary	ace-to-face intervie ace-to-face intervie ib-b ace-to-face intervie self-report Self-report on pape ace-to-face intervie ace-to-face intervie ace-to-face intervie self-report on pape interface properties paper ace-to-face intervie self-report on paper for or paper for or paper for or for or for or face intervie for or for or face intervie for or for or face intervie for face interv	NA NA NA Parents were interviewed on ehalf of children emed too young NA NA NA NA NA NA NA NA NA N	Retrospective A previous day Retrospective 1 previous day NA 5 working days Prospective 2 random days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective A previous day Retrospective A previous day	NA NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview the 24 hours preceding the midright the interview displays the size of the 25 hours of the 25 hours of the 25 hours of the 26 hours of th	2 2 2 2 2 2 1 1 2 2	Type 1: a face to face conversation Type 2: New 2 conversation with at least 3 words; Type 1: have a conversation with at least 3 words; Type 2: Reyinaci contact with Type 1: a face-to-face convesation; Type 2: a skin-to-skin contact Type 2: a skin-to-skin touching Type 2: a skin-to-skin touching Type 2: a skin-to-skin touching Type 3: a skin-touching T	Age, gender NA Age, gender Age, household size, inco Age, gender, hhs size	Name Name Nage, gender, occupatio Age, gender Age, gender Age, gender	No	Yes	No Yes No No Yes	NA NO Yes Yes Yes	No No No No No Ves
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48 49 50 51 52	2010 2010 2010 2010 2011 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru Japan Belgium France Kenya US Sweden UK US	Lapidus an et al Read et al Smieszek et al Dodd et al Dodd et al Dodd et al Undde et al Willem et al Kiti et al Kiti et al Smieszek et al Xiti et al Alello et al	2014 2012 2014 2017 2015 2016 2016 2016 2016 2014 2014 2017 2013 2016	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community University/residence Lane	People of all ages People of all ages Greater than 2 years old Staffs Mothers with an infant Adults Adults People of all ages Pupils, teachers and other staff People of all ages Staffant (under 11 weeks) Staffant (under 11 weeks)	1377/601 hhs 1821/856 hhs 50 220 1272 2256 588/114 hhs 3146 1752 2033 568 256 694	NA NA NA 97.34% NA	Random sampling Transition daily disaling Transition daily disaling Transition daily disaling Transition daily disaling Econvenience sampling Convenience sampling Stratified sampling Stratified sampling Convenience sampling Convenience sampling Convenience sampling Tonvenience sampling Convenience sampling Stratified random sampling Random sampling Stratified random sampling Stratified random sampling Random sampling Random sampling Stratified random sampling Random sampling Random sampling	Paper diary Online diary Online diary	ace to face intervie sce to face intervie sce to face intervie see to face intervie see to face intervie self-report on pape sce-to-face intervie sce-to-fac	NA NA Parents were need too young NA	Retrospective 2 consecutive days Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1 Prospective 2 random days: 1 weekday and 1 Retrospective A previous day Retrospective A previous day Retrospective A previous day Prospective A previous day Prospective One randomly assigned day Prospective One previous day Retrospective One previous day Prospective One previous day	NA NA NA From waking to going to bed NA A study day commenced on waking and ended with sleep. The 24 hours preceding the midright the interview The 24 hours preceding the midright the interview The 24 hours preceding the midright the interview From 5 am on the previous day to 5 am on the present day NA NA A period between first waking and going to bed for the night NA NA NA NA NA NA NA NA NA N		Type 1: a face-to-face conversation Type 2: New a conversation with at least 3 words; Type 1: have a conversation with at least 3 words; Type 2: Reynalce Contacts with Type 1: a face-to-face convesation; Type 2: a face-to-face convesation; Type 2: a skin-to-skin contact Type 1: A conversation held at less than 2 meters distance and with more than the words spoken with other participants. Type 1: A conversation held at less than 2 meters distance and with more than the words spoken with other participants. Type 2: Maint-to-skin contact; Type 2: A skin-to-skin contact; Type 3: A skin-to-skin contact moveling skin-to-skin touching, a skin-to-skin contact; Type 3: A skin-to-skin contact moveling skin-to-skin contact movel mo	Age, gender Age, pender Age, bousehold size, inco Age, gender, hhs size Age, gender, his size Age, gender, big, gender, big, gender, g	Age, gender Symptoms of illness Age, gender, health	No	Yes Yes Yes Yes Yes Yes Yes Yes	No	NA	No N
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50 51 52 53	2010 2010 2010 2011 2011 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru Japan Belgium France Kenya US Sweden UK US Talwan	Lapidus an et al Read et al Smiessek et al Campbell et al Dodd et al Dodd et al Ibuka et al Willem et al Beraud et al Smiessek et al Smiessek et al Aielo et al Chen et al	2014 2012 2014 2012 2015 2015 2016 2016 2016 2014 2014 2014 2017 2018 2018 2019	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community University/residence halls Junior high school	People of all ages People of all ages People of all ages Staffs Mothers with an infant Adults Adults People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256 388/114 hhs 1752 2033 568 256 694 115 590	NA NA NA NA 97.34% NA NA NA NA 100% NA S1.1% 50.1% 43.8% NA 44.0% 44.37%	Random sampling Traitfield sampling by age Convenience sampling Stratified sampling of househol Convenience sampling Stratified sampling Stratified sampling Stratified sampling Stratified sampling Convenience sampling Stratified sampling by age and geography Convenience sampling Convenience sampling Stratified random sampling Convenience sampling Stratified random sampling Random sampling Stratified random sampling Convenience sampling Co	Paper diary	ace-to-face intervie sce-to-face intervie sce-to-face intervie self-report self-report on pape ace-to-face intervie sce-to-face intervi	NA NA Parents were NA	Retrospective A previous day Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Retrospective One assigned day	NA NA From waking to going to bed A study day commenced on waking and ended with sleep. The 24 hours preceding the midnight the interview of the study of the		Type 1: a face to face conversation Type 2: Bint-to date to face conversation Type 3: Bint-to date to face conversation Type 1: a face to face conversation; Type 2: A layer and to face to face conversation; Type 2: a face to face conversation; Type 2: a skin-to-skin contact Type 3: a face to face conversation; Type 2: a skin-to-skin contact Type 3: a face to face conversation held at less than 2 meters distance and with more than ten words spoken with other participants; Type 2: a face to face conversation with at least 3 words was longer than a greeting and thishin an arms' reach; Type 2: a face to face conversation with at least 3 words was longer than a greeting and thishin an arms' reach; Type 2: a face to face t	Age, gender Age, gender Age, gender Age, bousehold size, inco Age, gender, hhs size Age, gender, size, size	Age Bender Age, Bender	No	Yes Yes Yes Yes Yes Yes Yes Yes	No	NA	No N
48 49 50 51 52	2010 2010 2010 2011 2011 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru Japan Belgium France Kenya US Sweden UK US	Lapidus an et al Read et al Smieszek et al Dodd et al Dodd et al Dodd et al Undde et al Willem et al Kiti et al Kiti et al Smieszek et al Xiti et al Alello et al	2014 2012 2014 2017 2015 2016 2016 2016 2016 2014 2014 2017 2013 2016	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community University/residence Lane	People of all ages People of all ages People of all ages Staffs Mothers with an infant Adults Adults People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256 588/114 hhs 3146 1752 2033 568 256 694	NA N	Random sampling Transition daily disaling Transition daily disaling Transition daily disaling Transition daily disaling Econvenience sampling Convenience sampling Stratified sampling Stratified sampling Convenience sampling Convenience sampling Convenience sampling Tonvenience sampling Convenience sampling Stratified random sampling Random sampling Stratified random sampling Stratified random sampling Random sampling Random sampling Stratified random sampling Random sampling Random sampling	Paper diary Itine diary and promity sense Paper diary	ace to face intervie sce to face intervie sce to face intervie see to face intervie see to face intervie self-report on pape sce-to-face intervie sce-to-fac	NA NA Parents were need too young NA	Retrospective 2 consecutive days Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1 Prospective 2 random days: 1 weekday and 1 Retrospective A previous day Retrospective A previous day Retrospective A previous day Prospective A previous day Prospective One randomly assigned day Prospective One previous day Retrospective One previous day Prospective One previous day	NA NA From waking to going to bed NA A study day commenced on waking and ended with telept the study day commenced on waking and ended with telept the 24 hours preceding the midsight the interview from 5 am on the previous day to 5 am on the previous		Type 1: A face to face conversation Type 2: Bink to design contact Type 1: In Save a conversation with at least 3 words; Type 2: A sink to contact with Type 1: a face to face convesation; Type 2: a skin-to-skin contact Type 3: a skin-to-skin to-skin to-skin Type 4: a skin-to-skin to-skin to-skin Type 4: a skin-to-skin to-skin to-skin Type 4: a skin-to-skin to-skin to-skin to-skin Type 5: a skin-to-skin to-skin to-skin to-skin Type 5: a skin-to-skin to-skin to-skin to-skin to-skin Type 5: a skin-to-skin to-skin to-skin to-skin to-skin Type 5: Type 4: a skin-to-skin to-skin to-skin Type 5: Type 4: a skin-to-skin to-skin to-skin Type 5: Type 4: a skin-to-skin to-skin-to-skin to-skin-to-skin to-skin-to-skin	Age, gender Age, gender Age, household size, inco Age, gender, hhs size Age, gender, his size Age, gender, gender, his size Age, gender, gende	Age, gender Symptoms of illness Age, gender, beatth	No	Yes Yes Yes Yes Yes Yes Yes Yes	No	NA	No N
50 51 52 53	2010 2010 2010 2011 2011 2011 2011 2011	France China Switzeland Australia South Africa Zambia Peru Japan Belgium France Kenya US Sweden UK US Talwan	Lapidus an et al Read et al Smiessek et al Campbell et al Dodd et al Dodd et al Ibuka et al Willem et al Beraud et al Smiessek et al Smiessek et al Aielo et al Chen et al	2014 2012 2014 2012 2015 2015 2016 2016 2016 2014 2014 2014 2017 2018 2018 2019	Lapidus (2013) Potter (2015) Mccreesh (2016)	Community Community Research Institute Community University/residence halls Junior high school	People of all ages People of all ages People of all ages Staffs Mothers with an infant Adults Adults People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages Pupils, teachers and other staff People of all ages	1377/601 hhs 1821/856 hhs 50 220 1272 2256 388/114 hhs 1752 2033 568 256 694 115 590	NA NA NA NA 97.34% NA NA NA NA 100% NA S1.1% 50.1% 43.8% NA 44.0% 44.37%	Random sampling Traitfield sampling by age Convenience sampling Stratified sampling of househol Convenience sampling Stratified sampling Stratified sampling Stratified sampling Stratified sampling Convenience sampling Stratified sampling by age and geography Convenience sampling Convenience sampling Stratified random sampling Convenience sampling Stratified random sampling Random sampling Stratified random sampling Convenience sampling Co	Paper diary	ace-to-face intervie sce-to-face intervie sce-to-face intervie self-report self-report on pape ace-to-face intervie sce-to-face intervi	NA NA Parents were NA	Retrospective A previous day Retrospective 1 previous day NA 5 working days 2 random days: 1 weekday and 1 weekend day Retrospective A previous day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Prospective One assigned day Retrospective One assigned day Retrospective One assigned day	NA NA From waking to going to bed A study day commenced on waking and ended with sleep. The 24 hours preceding the midnight the interview of the study of the		Type 1: In face to face conversation Type 2: New 2 conversation with at least 3 words; Type 1: In New 2 conversation with at least 3 words; Type 2: Type 2: Physical contact with Type 1: A face-to-face convesation; Type 2: In Section 4: A face-to-face convesation; Type 2: In Section 4: A face-to-face convesation; Type 2: A sink-to-skin contact Type 1: A conversation held at less than 2 meters distance and with more than the words spoken with other participants. Type 1: A low ord physical contact with other participants. Type 2: I sink-to-skin contact; Type 2: I sink-to-skin contact; Type 2: I sink-to-skin contact; Type 2: I sink-to-skin contact with other participants was longer than a greeting and tribitin an arms' reach; Type 2: I sink-to-skin contact; Type 2: I sink-to-skin contact; Type 2: I sink-to-skin contact; Type 3: I sink-to-skin contact; Type 4: I sink-to-skin contact; Type 5: I sink-to-skin contact; Type 5: I sink-to-skin contact; Type 5: I sink-to-skin contact; Type 6: I sink-to-skin contact; Type 6: I sink-to-skin contact; Type 7: I sink-to-skin contact; Type 6: I sink-to-skin contact; Type 7: I sink-to-skin contact; Type 7: I sink-to-skin contact with whom the participant had a direct physical encounter and involved direct skin-to-skin touching a skin-to-skin contact with whom the participant had a direct physical encounter and involved direct skin-to-skin touch as endersing, lixing or underesting to the skin-to-skin contact between infant and another person. News 6 sectod face conversations with other participants. Type 7: I sink-to-skin contact between infant and another person.	Age, gender Age, gender Age, gender Age, bousehold size, inco Age, gender, hhs size Age, gender, size, size	Age Bender Age, Bender	No	Yes Yes Yes Yes Yes Yes Yes Yes	No	NA	No N

	1	1																				I I			
													Proxies for illiterate adults and children aged less					in the physical presence of another person but no	Age, gender, education, occupation, household						
57	2013	Zimbabwe	Melegaro et al	2017		Community	People of all ages	1245	86.3%	Stratified sampling	Paper diary	Self-report on paper	than 10 years	Prospective	Two consecutive days	NA NA	2	skin-to-skin contact (a nonphysical contact)	size	Age, gender	Yes	No	No	Yes	Yes
58								1307	33.5%			Computer assisted telephone	NA.								Ver	Yes	No	Yes	
58	2013	Australia	Rolls et al	2015		Community	Adults	1307	33.5%	Random digit dialling	Electronic questionnaire	interview	NA NA	Retrospective	A previous day	NA .	2	As above	Age, gender, hhs size, occ		Yes	Yes	No	Yes	No
								220	05.50			Self-report on web interface				NA.		A person sitting or standing within arm's length of the	Age, sex, education and symtomos	Age (less, equal or older)			No	Vec	
59	2013	Thai Lan	Stein et al	2014	Stein (2014)	University	Students and their friends	220	85.6%	iline respondent driven sampl	Online diary	Self-report on web	NA	Retrospective	A previous day	NA NA		participant for 30 seconds or longer			Yes	No	No	Yes	No
	2012	The Mesh color	Carte	2014		Mark market	Short and the state of a second	322	89.9%	F		interface	NA.	Data and the	A secondario della	NA NA		Sitting or standing within arm's length of the participant for		Age (less, equal or	Vec		No	Yes	
60	2013	The Netherlar	Stein et al	2014		University	Students and their friends	322	89.9%	iline respondent driven sampl	Online diary		NA NA	Retrospective	A previous day	NA NA	1	at least 30 second	symtomps	older)	Yes	No	No	Yes	No
												Self-report and													
											Paper diary and promity	wearable proximity sensor				Time duration of the		Type 1: physical contact							
61	2044	Germany	Smieszek et al	2016		Conference		74	24.7%	Convenience sampling	sensors	proximity sensor	NA.	Prospective	A	ronference			Age, gender		No	Yes	No	No	No
- 01	2014	Germany	Smieszek et al	2010		Conterence	Adult	74	24.7%	Convenience sampling			NA	Prospective	One day	conterence	2		Age, gender	Age, gender	NO	res	NO	NO	NO
												5 - W						Type 1: have a conversation with distance within one's arm							
62	2014	Belgium	Stein et al	2015		Community	Internet users	100	NA	nline respondent driven sampl	Online diary	Self-report on web interface	NA.	Retrospective	A manufacture description	***		Type 2: any sort of skin-to-skin contact	Age, gender, hhs size, syn	Age, symtoms	Voc		No	Vec	
62	2014	Beigium	Stein et ai	2015		Community	internet users	109	NA	nine respondent driven sampi	Online diary	iliterrace	NA.	Retrospective	A previous day	NA .	- 2	Type 1: have a conversation with distance within one's arm	Age, gender, nns size, syn	Age, symtoms	res	NO	NO	res	NO
												Self-report on web						langth							
63	2014	The Netherlan	Stein et al	2015		Community	Internet users	1451	NA	iline respondent driven sampli	Online diary	interface	NA.	Retrospective	A previous day	NA	2	Type 2: any sort of skin-to-skin contact	Age, gender, hhs size, syn	Age symtoms	Vec	No	No	Vec	No
- 03	2014	me wedleral	Julia Ct di	2013		Community	internet datia	1431		anne respondent driven sampi	Ommic didiy	Self-report on	1875	netrospective	A previous only	inc.	-	Type 1: skin-to-skin contact:	Age, gender, household	rage, symitoms	.65	0			
- 1	1											paper and web		Both prospective		5 AM of an assigned day until			size, education and						
64	2015	Hong Kong	Lyung et al	2017		Community	People of all ages	1149	NA	Quota sampling by age and sell	Paper diary and online diary	interface		and retrospective	A random day	5AM of the day after		more words within 2 meters	income	Age, gender	Yes	Yes	Yes	Yes	No
		J	,. 6							, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,		Parents or gurdians			During a 24-hour period		A two-way conversation of at least five words in the		0.,00	-				
65	2016	Russia	Aielli et al	2017		Community	People of all ages	505	NA	Mixed samplings	Paner diany	Self-report on pane	for underages	Prospertive	A random day	starting at 5 am		physical presence of another person	Age, employment status	Age relation	Yes	No	No	Yes	No

Table 2: Determinants of social contacts

	Year of finishing		Authors of first	Year of first			Weekend	School	Being	Rural	Flu/non-flu	
Nr	survey	Countries	publication	publication	Age	Gender	/weekday	terms/holiday	ill/recovered	/urban	season	Household size
1	1986	The Netherlands	Wallinga et al	2006	Yes	NA	NA	NA	NA	NA	NA	NA
2	1986	The Netherlands	Wallinga et al	2006	Yes	NA	NA	NA	NA	NA	NA	NA
3	1995	UK	Edmunds et al	1997	Yes	NA	Yes	NA	NA	NA	NA	NA
4	1998	UK	Read et al	2008	No	NA	NA	NA	NA	NA	NA	NA
5	2003	Belgium	Beutels et al	2006	Yes	No	Yes	NA	NA	NA	NA	No
6	2003	Germany	Mikolajczyk et al	2008	NA	NA	NA	NA	NA	NA	NA	NA
7	2004	Germany	Mikolajczyk et al	2008	NA	NA	NA	NA	NA	NA	NA	NA
8	2004	Germany	Mikolajczyk et al	2008	NA	NA	Yes	NA	NA	NA	NA	NA
9	2004	Germany	Mikolajczyk et al	2008	Yes	No	Yes	NA	NA	NA	NA	NA
10	2005	Germany	Mikolajczyk et al	2008	NA	NA	Yes	NA	NA	NA	NA	NA
11	2005	UK	Edmunds et al	2006	Yes	No	Yes	NA	NA	NA	NA	No
12	2006	Finland	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
13	2006	Great Britain	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
14	2006	Italy	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
15	2006	Luxembourg	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
16	2006	Poland	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
17	2006	Belgium	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
18	2006	Germany	Mikolajczyk et al	2008	NA	NA	Yes	NA	NA	NA	NA	NA
19	2006	Germany	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
			van de Kassteele at									
20	2006	The Netherlands	al	2017	NA	NA	NA	NA	NA	NA	NA	NA
21	2006	The Netherlands	Mossong et al	2008	Yes	No	Yes	NA	NA	NA	NA	Yes
22	2007	Germany	Bernard et al	2009	NA	No	Yes	NA	NA	NA	NA	NA
23	2007	US	Glass et al	2008	NA	NA	NA	NA	NA	NA	NA	NA
24	2007	Vietnam	Horby et al	2011	Yes	No	No	NA	NA	NA	NA	No
25	2008	Australia	Mccaw et al	2010	No	No	Yes	NA	NA	NA	NA	Yes
26	2008	US	DeStefano et al	2011	Yes	No	Yes	Yes	Yes	NA	No	NA
27	2009	Switzeland	Smieszek et al	2009	NA	NA	NA	NA	NA	NA	NA	NA
28	2009	US	Potter et al	2012	NA	NA	NA	NA	NA	NA	NA	NA
29	2010	China	Read et al	2014	Yes	NA	NA	NA	NA	No	NA	NA
30	2010	France	Lapidus an et al	2012	Yes	NA	NA	NA	NA	NA	NA	NA
31	2010	Great Britain	Danon et al	2012	NA	NA	NA	NA	NA	NA	NA	NA
32	2010	Hong Kong	Kwok et al	2014	Yes	NA	NA	NA	NA	NA	NA	NA
33	2010	South Africa	Johnstone et al	2011	Yes	NA	NA	NA	NA	NA	NA	NA
34	2010	Switzeland	Smieszek et al	2012	NA	NA	NA	NA	NA	NA	NA	NA
35	2010	Taiwan	Chen et al	2012	Yes	NA	Yes	NA	Yes	NA	NA	Yes
36	2010	Taiwan	Fu et al	2012	Yes	No	NA	NA	NA	NA	NA	NA
37	2010	UK	Eames et al	2010	NA	NA	NA	Yes	No	NA	NA	NA

38	2010	UK	Eames et al	2011	No	Yes	NA	Yes	NA	NA	NA	Yes
39	2010	UK	Eames et al	2010	NA	NA	NA	NA	Yes	NA	NA	NA
40	2010	UK	Eames et al	2012	Yes	NA	NA	Yes	NA	NA	NA	NA
41	2010	UK	Jackson et al	2011	NA	NA	NA	Yes	NA	NA	NA	NA
42	2011	Australia	Campbell et al	2017	NA	NA	NA	NA	NA	NA	NA	NA
43	2011	Belgium	Willem et al	2012	NA	NA	Yes	Yes	NA	NA	NA	NA
44	2011	Japan	Ibuka et al	2016	Yes	Yes	Yes	NA	NA	NA	NA	Yes
45	2011	Peru	Grijalva et al	2015	Yes	Yes	No	NA	NA	NA	NA	Yes
46	2011	South Africa	Dodd et al	2015	No	No	Yes	NA	NA	NA	NA	Yes
47	2011	Zambia	Dodd et al	2015	No	No	Yes	NA	NA	NA	NA	Yes
48	2012	France	Beraud et al	2015	Yes	Yes	Yes	Yes	NA	NA	NA	NA
49	2012	Kenya	Kiti et al	2014	Yes	No	No	NA	NA	Yes	NA	NA
50	2012	Sweden	Stromgren et al	2017	NA	NA	NA	NA	NA	NA	NA	NA
51	2012	UK	Van Hoek et al	2013	Yes	NA	No	NA	NA	NA	NA	Yes
52	2012	US	Smieszek et al	2014	NA	NA	NA	NA	NA	NA	NA	NA
53	2013	Australia	Rolls et al	2015	NA	NA	No	NA	NA	NA	NA	NA
54	2013	France	Mastrandrea et al	2015	NA	NA	NA	NA	NA	NA	NA	NA
55	2013	Taiwan	Chen et al	2015	NA	No	Yes	Yes	NA	NA	NA	No
56	2013	Taiwan	Luh ad et al	2016	Yes	NA	Yes	NA	NA	NA	No	Yes
57	2013	Thai Lan	Stein et al	2014	NA	NA	NA	NA	NA	NA	NA	NA
58	2013	The Netherlands	Stein et al	2014	NA	NA	NA	NA	NA	NA	NA	NA
59	2013	US	Aiello et al	2016	NA	NA	NA	NA	NA	NA	NA	NA
60	2013	Zimbabwe	Melegaro et al	2017	Yes	Yes	No	NA	NA	Yes	NA	Yes
61	2014	Belgium	Stein et al	2015	Yes	No	Yes	NA	Yes	NA	NA	Yes
62	2014	Germany	Smieszek et al	2016	NA	NA	NA	NA	NA	NA	NA	NA
63	2014	The Netherlands	Stein et al	2015	Yes	No	Yes	NA	Yes	NA	NA	Yes
64	2015	Hong Kong	Lyung et al	2017	Yes	No	Yes	NA	NA	NA	NA	Yes
65	2016	Russia	Ajelli et al	2017	Yes	NA	NA	NA	NA	NA	NA	NA

Notes: Determinants for number of social contacts. Surveys are tagged as 'Yes' if they found a relevant connection between the number of contacts and the determinant, as 'No' if they did not find evidence and as 'NA' if they did not analyze the given determinant

Supplement digital content 2 for "A systematic review of social contact surveys to inform transmission models of close contact infections"

Data collection tools

Most surveys (83%) used paper diaries to collect contact data. Diaries were delivered and collected by mail in nine surveys [I, 2, 3, 4, 5] and in person in the remaining surveys. Six surveys exclusively used online diaries [6, 7, 8, 9], and four surveys used both online and paper diaries [10, 5, 111, 112]. A Personal Digital Assistant (PDA) was used with paper diaries in one survey in 2008 [13]. In contrast, proximity sensor devices were used with online diaries in one survey in 2012 [14] and with paper diaries in two surveys in 2013 [15] and 2014 [16]. Most of these studies primarily aimed to explore different social contact data collecting tools.

In contrast to the work of Beutel et al. (2006) [10], which concluded that the paper diary yielded similar results of contact numbers compared with the online diary, Leung et al. [12] showed that participants using paper diary reported on average 9.99 contacts per day, which is substantially increased compared with those using the online diary with only 5.10 contacts per day. In McCaw et al. [13], respondents preferred the paper diary compared with the PDA based on timeliness and completeness. The majority of respondents (63%) described the paper diary as easy to use, whereas only 35% respondents had the same opinion regarding the use of PDA. Smiesziek et al. [14]

conducted a survey at a high school using both the online diary and wearable proximity sensors, making the two sources of data comparable by matching names of contacts reported by online diaries with names associated with sensor ID numbers. They found the use of online diaries to be more accurate for longer duration contacts but much less accurate for short duration contacts. Mastrandrea et al. [15] and Smiesziek et al. [16] reached similar conclusions comparing paper diaries with wearable proximity sensor devices, with better accuracy for contacts of longer duration using paper diaries. However, there was a distinction in self-reported ease of use with 25% of respondents reporting difficulties in remembering contacts to complete paper diaries, and 25% stating that filling in the diary was too much work. In contrast, 93% respondents felt comfortable having their contacts measured by sensors [16].

Data Collection methods

Fifty-two of the 64 surveys (81%), relied on self-reporting, i.e. respondents single-handedly completed a paper or online diary after receiving oral instructions (in person or via telephone) or written guidelines from investigators. A face-to-face interview was used in nine surveys [17, 18, 19, 20, 21, 22, 23, 24] and a Computer-Assisted Telephone Interview (CATI) was employed in three [25, 26, 27]. Although self-reporting can be used for both retrospective and prospective designs, face-to-face interviews and the CATI only allow for a retrospective design, unless they are supplemented by some form of personal diary keeping that is used during the interview. Akakzia et al. [28] found the paper diary to provide more number of contacts compared with CATI (the median number of reported daily contacts per participant was

13.5 for the paper diaries and 4 for CATI) because it gives the respondent more time to recall contacts. All four household-based surveys conducted face-to-face interviews at the respondent's residence [18, 19, 22, 23]. Face-to-face interviews exhibited a greater response rate (46% [20] to 100% [19]) compared with self-reporting and CATI. We could not identify any contact survey directly comparing self-reporting with a face-to-face interview, but different surveys were compared in one work [24].

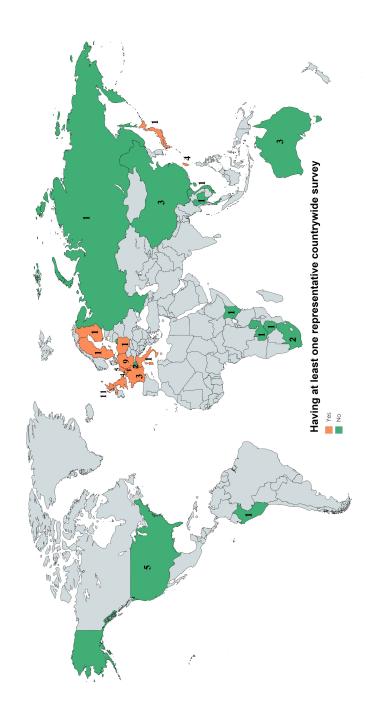


Figure S1. Global map of social contact surveys.

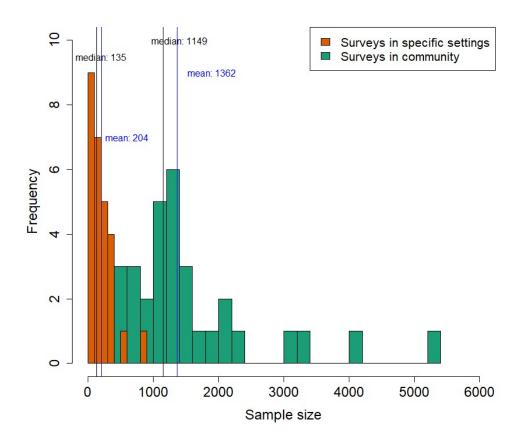


Figure S2. Sample sizes. Sample sizes of surveys in general population and surveys in specific setting.

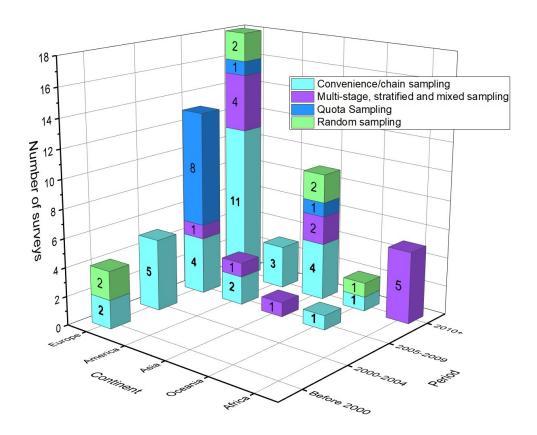


Figure S3. Sampling schemes by continents and periods.

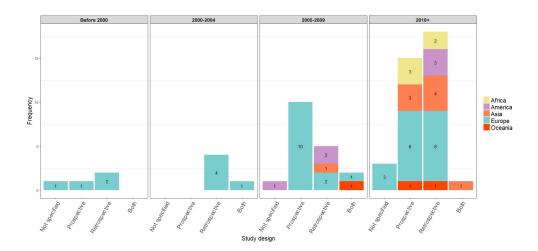


Figure S4. Distribution of social contact surveys by study designs. The four panels correspond to different time-intervals

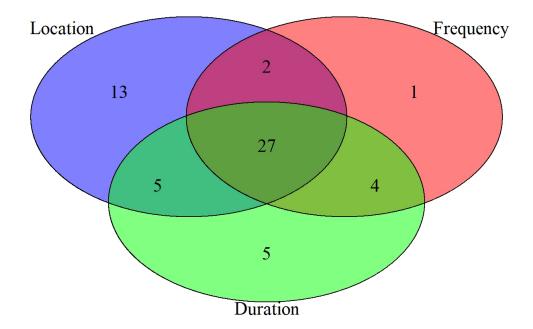


Figure S5. Location, duration and frequency of contacts The Venn diagram shows the number of surveys collecting information about duration, location and frequency of contacts.

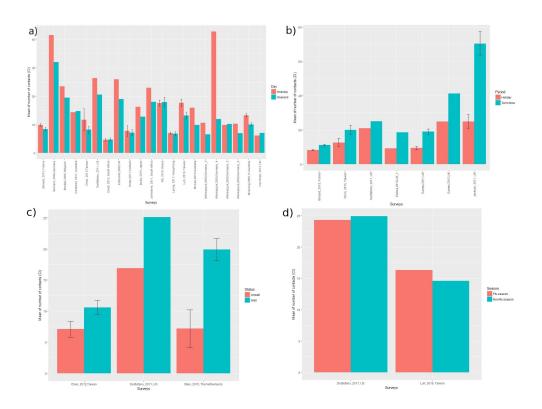


Figure S6. Average number of contacts by factors. Average number of contacts measured and 95% CI in weekday vs weekend (a), holiday vs. term-time (b), well vs unwell health status (c) and during vs outside flu season (d). For surveys reporting mean number and standard deviation a 95% CI for the mean has been computed.

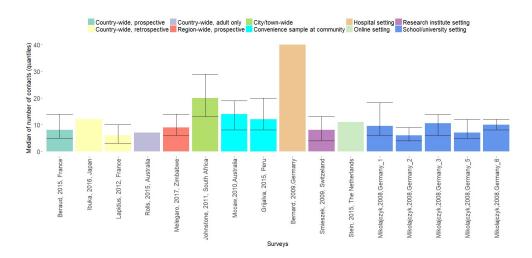


Figure S7. Median of number of contacts among surveys. Median and quantiles of contacts. Surveys are labeled according to the publication's first author, year and the country in which the survey was performed.

- [1] Mossong J, Hens N, Jit M, Beutels P, Auranen K, Mikolajczyk R, et al. Social contacts and mixing patterns relevant to the spread of infectious diseases. PLoS medicine. 2008;5(3):e74.
- [2] Béraud G, Kazmercziak S, Beutels P, Levy-Bruhl D, Lenne X, Mielcarek N, et al. The French connection: the first large population-based contact survey in France relevant for the spread of infectious diseases. PloS one. 2015;10(7):e0133203.
- [3] Willem L, Van Kerckhove K, Chao DL, Hens N, Beutels P. A nice day for an infection? Weather conditions and social contact patterns relevant to influenza transmission. PloS one. 2012;7(11):e48695.
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