Internet Dating: Social Implications

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Data from the How Couples Meet and Stay Together nationally representative longitudinal study http://data.stanford.edu/hcmst

> Core funding generously provided by the National Science Foundation



Photo from Vanity Fair, September 2015 story titled: "Tinder and the Dawn of the 'dating apocalypse.' " $\,$



What are the reputed negative aspects of online dating?

- Cell phones supposedly reduce our attention spans, and displace face-to-face interaction. Technology supposedly makes us more superficial.
- Online Dating with its vast sea of potential mates leads to Choice Overload (lyengar and Lepper's jam experiment)

Marital Dissolution Rates from the National Survey of Family Growth and the American Community Survey







Data from the How Couples Meet and Stay Together Project, waves 1-5.





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Supplementary tables and figures below





Source: From these Couples Neter and Stay Together, Wavel, variables derived from quantica M topes text assess too:: Those did you meet partner, amont) Ta-ASE of the there assuand source: From these Couples Neters and a start participation. Begine for a main accouple entering is the start for appendix to appendix to the another start participation of the start participation of the start participation of the start partner (the start partner) and the application of the most encode is allowed on the starts partners and the start for another and the start partner (the start partner). Reventage don't a data to the start partners and the start for an of the start for and the start partner (the start partner).

Comparison of event history relationship outcomes by Internet influence, HCMST data

Outcome	1 Broke up	2 Broke up	3 Got Married	4 Got Married	5 Moved in together	6 Moved in together
Internet Variable	Met Online	Have Internet Access at Home	Met Online	Have Internet Access at Home	Met Online	Have Internet Access at Home
Raw Odds ratio of rates without controls [with 95% CI]	1.31 [0.91, 1.89]	*0.64 [0.44, 0.93]	* 1.98 [1.06, 3.72]	* 3.01 [1.01, 9.00]	1.73 [0.94, 3.18]	2.17 [0.96, 4.88]
Odds Ratio adjusted with controls [with	0.96 [0.66, 1.39]	1.21 [0.79, 1.85]	* 1.93 [1.05, 3.54]	1.99 [0.72, 5.54]	1.48 [0.94,2.31]	1.26 [0.51, 3.09]
Controls	age, relationship duration, relationship duration ⁴⁵ , formal union, same-sex couple, college degree	age, relationship duration, relationship duration ⁻⁰³ , formal union, same-sex couple, college degree	age, age ² , relationship duration, race, college degree	age, age ² , relationship duration, race, college degree	age, age ² , relationship duration, race, college degree, same-sex couple	age, age ² , relationship duration, race, college degree, same-sex couple

Source: How Couples Meet and Stay Together, all outcomes took place between wave 1 of HCMST and wave 5 of HCMST, 2009-2015. Rates and comparisons of rates are weighted by weight variable "weighta". Confidence latencies determined by event handry logistic regression with robust standard errors, with standard errors, e

* 8/0.05



Some typical example answers:

"My mother asked a family friend if she knew any nice single boys. The woman passed my phone number to [respondent's partner]'s parents, who gave it to him. Ihad just broken up with my previous boyfriend, and was willing to see whut selse was out there. [respondent's partner] called me, and after we spoke on the phone, we decided to go on a date the next day. He picked me up, and we basically went on a blind date. He called me the next day to invite me to a friend's birthday party, so I knew he liked me. That was two years ago and we are now engaged."

"Met at a outdoor party a friend had. It was a keg party at the lake. Everybody rode 4 wheelers got drunk. I met [respondent's partner] we hit it off. Stayed together for a week, Didnt see him for Months. Hooked up again got hitched. My parents liked him."

"We met online for a hook up. I went to his place"

"[respondent's partner] and i met on [online search/messenger/personals]. He called me for over a month trying to get me to date him, and finally i said yes. i met him when he came to my door and we went to dinner and talked for how as (chain restaurant), we went to a movie afterwords and held hands. Then he took me home. He called the next day and a couple more times before we wont out again, before you knew it we were inseptable and were married less than 5 months after meeting."

[TEXTBOX] [PROMPT TWICE: first prompt should say, "Please add more details, we want to understand your stoy," SecOND PROMPT: if response is less than 100 characters, the second response will say, "Is there anything else you could add? Every detail helps us."] 024. Please with the stary of how you and [Parten, Parne] first met and got to know one another and be sure to describe 'how' and 'where' you first met.



The relationship between Partner Availability and Meeting Online





60

ey, Wave I. thed by Lowess local regressions, bandwidth 0.5 d is graphed against current age. online is graphed against respondent's age when t ident first met the partner, for couples who met during

Table 5: Family and the Internet's influence on Couple Type: Comparisons with Controls.

	Met Through Family			Met Online				
				Pct met	Pct met			
	Pct met			online				
	through		Adjusted	(met		Adjusted		
	either	Odds	Odds	within last		Odds		
	family	Patio	Patio	10 years)	Odde Ratio	Ratio		
	itariniy	Tuno	1000	10 (cuid)	Odd5 Hallo	TCUTO		
Heterosexual Couples	18.2			17				
Same-Sex Couples	3.5	0.16**	0.19**	41	3 34***	2.93**		
Same Race Couples	18.7			19				
Interracial Couples	11.4	0.56**	0.61*	16	0.85	0.82		
Same Religion Couples	19.5			15				
Interreligious Couples	15.8	0.77*	0.81*	22	1.62**	1.43*		
Mothers' Educations								
differ <4 years	18.3			19				
Mothers' Educations								
differ by ≥ 4 years	16.4	0.88	0.87	18	0.94	1.01		
Respondent/ Partner								
Education can <4 years	17.8			18				
Respondent/ Partner								
Education can > 4 years	18.7	1.06	1.04	22	1.27	0.98		
Education gap 2 4 Jeans								
Respondent/ Partner								
Age gap <10 years	17.8			19				
Respondent/ Partner								
Ane gan >10 years	19.0	1.08	1.31	14	0.70	0.67		
uide Anh e lo Agaip								

I01; ** P+0.01; * P+0.05 rom How Couples Meet, Wa d higher. Averages are weig iffer among the 5 racial cate ized list q32, merged in the variable either_internet_adjusted. Res bles Meet survey, Wave I; survey was conducted in winter, 2009. In Other/, Interreligious couples differ among the 5 religious categori ite logistic regressions. For met online, adjusted odd statios are ad Gentaee, and how long ago (within 10 years) the couple first met. /ears ago (when tows, (white, black, American Odds ratios and adjusted us). Odds

Table 6: Relatively Few Prior Social Connections for Couples that Meet Online

	Pct	
Previously Strangers (no connection prior to meeting online)	74.0	
Mediated (online connection between respondent and partner was mediated by friends or family)	14.1	
Reunited (Respondent knew partner in some prior context, reunited online)	9.1	
Insufficient Information	2.8	
Total	100%	

Source: From How Couples Meet, Wave I. Averages are weighted by weight2. N=286

Table 8: Apparent growth in the number of same-sex couples in the U.S.

Year	Official Census Count of Same-Sex Unmarried Partners (excluding marital status recodes)
1990	145,130
2000	341,014
2005	384,629
2008	414,787

-

Source: U.S. Bureau of the Census (2009), and Smith and Gates (2001).



Source How Couples Meet and Say Together, waves 1-4, covering years 2009-3012. Data smoothed by unweighted logistic regressions of breakour rate on relationship duration. The hazard rate of break-up is the probability of break-up in a given year for respondents who were purtnered at the beginning of the year. Sample sites are as follows, incouple-years of deposite to the hazard of break-up): 539 for name Hear exceedings on the immediate the site of the sit

Actual data and best fit curves (with CI) predicting annual breakup rate as a function of relationship duration, for same-sex couples without (left) or with (right) marriage and marriage-like relationships



Source: Rosenleid 2014, JMR, related to "Couple Longevity in the Era of Same-Sex Marriage in the US", data is HOMST waves 2-4, covering years 2009-2012. Data smoothed by unweighted logistic regressions of bravies, prate on relationship duration, functional form loss of the state of the st Actual data and best fit curves (with CI) predicting annual breakup rate as a function of relationship duration, for heterosexual couples unmarried and married.



Source: Rosenfeld 2014, MF, related to "Couple Longevity in the Era of Same-Sex Marriage in the U.S", data is HCMST waves 2.4, covering years 2009-2012. Data smoothed by unweighted logistic regressions of break-up rate on relationship duration, functional form determined by systematically testing different combinations of polynomials and fractional polynomial functions of X. Sample sizes are as follows (in couple years): 33 for same sex couples with marringe-like using. Systematical betreasual couples, 68 for same-sex couples not in marriage-like unions, and 1141 for unmarried heterosexual couples, 68 for same-sex similar pitcures.

Predicting Break-up in HCMST, log odds ratio coefficients (and standard errors) from unweighted discrete time event history logistic regressions, with additional controls to predict weights

	MI	M2	M3	M4	M5	M6	M7
Same-Sex Couples	0.67***	-0.49*	0.19	0.17	0.18	0.28	
(ref: heterosexuals)	(0.20)	(0.20)	(0.22)	(0.23)	(0.22)	(0.22)	
Gay Male Couples							-0.11 (0.26)
Lesbian Couples							0.65** (0.25)
Married (or marriage-like)		-2.62*** (0.13)	-1.21*** (0.16)	-1.23*** (0.18)	-1.23*** (0.16)	-1.08*** (0.17)	-1.08*** (0.17)
Married× same-sex				0.089 (0.36)			
Relationship Quality at Wave 1					-0.74***	-0.73***	-0.74***
(5 pt scale, 5 is best)					(0.07)	(0.07)	(0.07)
Control Variables Group 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Control Variables Group 2	No	No	Yes	Yes	Yes	Yes	Yes
Control Variables Group 3	No	No	No	No	No	Yes	Yes

amily. Data from nt." N= 8,043. Co era of Same-Sex Marriage" Journal of Marr rried" means "Married or in Marriage-Like c ables Group 2: Coresident; Relationship dur ondent's relationship with partner started wh dent race (4 df) and parental approval (2 df). a How Couples Meet and Stay 1 ontrol Variables Group 1: Age; 145. Control Variables Group 3

	Hetero- sexual married couples	Hetero- sexual unmarried couples	All Hetero- sexual Couples	Same- sex married couples	Same-sex unmarried couples	gay male couples	lesbian couples	All Same- Sex Couples	contrast married/ non- married	contrast Lesbian/ Gay	contrast hetero- sexual/ same-sex couples
Pct of Respondents previously married	25.2%	37.1%	28.2%	29%	24%	20%	31%	25.5%	•••		NS
Mean Relationship duration (years)	22.9	6.0	18.7	16	11	12.8	12.5	12.6		NS	
Pct Coresident	94.5%	31.7%	78.7%	97%	67%	73%	82%	77.7%		•	NS
Pct households with Minor Children	33.4%	23.2%	30.9%	4%	8%	5%	8%	6.4%		NS	
Respondent Education (years)	13.6	13.5	13.5	16	15	15.5	15.6	15.5		NS	
Respondent Age (years)	48.4	39.1	46.0	51	48	50.3	47.6	49.0			
Mean Self-Reported Relationship Quality at wave 1(scale 1-5; 5 is best)	4.52	4.29	4.46	4.6	4.4	4.4	4.5	4.45		NS	NS
Pct parental approval	89.0%	63.0%	81.5%	78%	52%	56%	65%	60.5%		NS	
N of couples at wave 1	1,899	639	2,538	165	306	242	229	471	N/A	N/A	N/A
Pct married or in marriage-like unions	100%	0%	74.8%	100%	0%	29%	41%	35.0%	N/A		
N of couples followed up at least once	1,695	559	2,254	137	266	201	202	403	N/A	N/A	N/A
N of couple-years of follow-up 2009-2012	5,793	1,151	6,944	542	686	610	618	1,228	N/A	N/A	N/A
N of observed break-ups 2009- 2012	87	250	337	14	88	45	57	102	N/A	N/A	N/A
Annual break-up rate	1.5%	21.7%	4.9%	2.6%	12.8%	7.4%	9.2%	8.3%	•••	NS	
Source: All values are unweighted fro	m HCMST	wave 1 in 20	09, except fo	r N of couple	-years of fol	ow-up, N of c	bserved	break-ups	, and brea	ik-up rate 1	which are

Comparison of Heterosexual Couples, same-sex couples, married (including marriage-like relationships) and unmarried couples

who had at rate OLS n iving pare

	M1	M2	M3	M4	M5	M6	M7
Couple Type (ref: Heterosexuals)							
Same-Sex Couples	0.94***	-0.095	0.48*	0.53	0.43	0.46	
Same-Sex Couples	(0.22)	(0.22)	(0.24)	(0.28)	(0.23)	(0.24)	
Gay Male Couples							0.09
							(0.36)
Leshian Counles							0.84**
							(0.30)
Married (or marriage-like)		-3.04***	-1.65***	-1.64***	-1.59***	-1.46***	-1.46***
		(0.16)	(0.25)	(0.26)	(0.24)	(0.25)	(0.25)
Marriedx same-sex				-0.40			
				(0.50)			
Coresident			-1.33***	-1.34***	-1.24***	-1.22***	-1.23***
			(0.22)	(0.23)	(0.20)	(0.21)	(0.21)
Relationship Duration years			-0.036**	-0.036**	-0.041**	-0.045***	-0.045***
			(0.012)	(0.012)	(0.013)	(0.013)	(0.013)
(Relationship Duration) ^{-1/2}			0.43***	0.43***	0.45***	0.45***	0.45***
((0.13)	(0.13)	(0.13)	(0.12)	(0.12)
Relationship Quality (5 nt scale 5 is best)					-0.74***	-0.70***	-0.70***
					(0.09)	(0.10)	(0.10)
Additional predictors (13 df)	00	00	00	00	00	ves	VAS
N of person years	8043	8043	8043	8043	8043	80.43	8043
at at	4	2	5	6	6	10	20
Drawla D rawra	0.000	4	0.005	0 005	0 000	1.9	20
PSeudo R-square	0.003	0.235	0.295	0.295	0.320	0.336	0.330

Predicting Break-up in HCMST, Coefficients (and SE) from WEIGHTED Discrete Time Event History Logistic Regressions, with robust st

le 8,172 pers ion for m

Replication of Table 2, Model 5 (unweighted) from the paper, logistic regres Heckman selection control leads to no substantive difference in the model.

	M5	M5+ selection correction
Same-Sex Couples	0.18	0.20
(ref: heterosexuals)	(0.22)	(0.22)
Manial (as manians (h.s.)	-1.23***	-1.23***
Married (or marriage-like)	(0.16)	(0.16)
Consultant	-1.53***	-1.54***
Colesidera	(0.14)	(0.14)
Palationship Duration waare	-0.029***	-0.028***
reasonany bonaton, joura	on, years -0.029*** -0.028 (0.009) (0.009) on ^(-1/2) 0.59*** 0.58** (0.10) (0.10)	(0.009)
Relationship Duration A(17)	0.59***	0.58***
Relationship Duration (*1/2)	(0.10)	(0.009) • 0.58*** (0.10) • -0.74*** (0.07)
Relationship Quality at Ways 1 /F at eacle (F is heat)	-0.74***	-0.74***
Relationship Quality at wave 1 (5 pt scale, 5 is best)	(0.07)	(0.07)
		0.724
Heckman Selection Correction term (inverse mills ratio)		10.73
		(0.30)
Additional Factors that predict individual weights (7df)	yes	yes
N of person years	8043	8043
df (including additional factors that predict the weights)	13	14
LR Chisquare (compared to constant only)	1091.8	1098.2

Source: How Couples Meet and Say Together, wares 1-4 *20.05 **2-0.01 **2-0.01, would lead this Mariner's means. Married or in Mariage-Like comminent." Additional factors that predict weight are: responder day, age squared, king in metropolitan area, having own Internet access a home, and recruitment source from Ware 1. The main predict or the Heckman selection term is pand status, at each wave, that is whether the subject was an active XNGM panelist (and could therefore be reached online), or whether the subject had wildhawn or triefed from the panel.

Replication of Table 2, Model 5 (unweighted), discrete time logistic regressions predicting break-up based on a couple-year dataset, compared to discrete time and cox proportional hazard models based on a couple-month version of the data (with months imputed for some transitions).

	couple years,	couple months,	couple months,	
	logistic regression same as JMF Table 2 model 5	Cox proportional hazards model	logistic regression	
	M5			
Same-Sex Couples	0.18	0.10	0.14	
(ref: heterosexuals)	(0.22)	(0.18)	(0.18)	
Manda d (as associates 1914)	-1.23***	-1.05***	-1.07***	
Married (or marriage-like)	(0.16)	(0.15)	(0.15)	
Constitute	-1.53***	-1.24***	-1.27***	
Coresident	(0.14)	(0.13)	(0.13)	
Relationship Duration, years	-0.029***	-0.028***	-0.028***	
	(0.009)	(0.0077)	(0.0077)	
(Deletienshie Duration)-1/2	0.59***	0.53***	0.60***	
(Relationship Duration)	(0.10)	(0.11)	(0.097)	
elationship Quality at Wave 1 (5 pt	-0.74***	-0.65***	-0.67***	
scale, 5 is best)	(0.07)	(0.054)	(0.055)	
Additional Factors (7df)	yes	ves	yes	
N of couple- years	8043			
N of couple- months		95,547	95,547	
df	13	13	13	
LR Chisquare	1091.8	931.4	1046.15	

-4. * P<0.05; ** P<0.01; *** P<0.001; two tailed tests: "Married" means "Married or in Marriage-Like espondent age, age squared, living in metropolitan area, having own Internet access at home, and reight are: res al factors that p

Relationship Satisfaction Only Weakly Related to How the Couple Met.

	Mean Relationship Quality (1-5 scale, 5 is best)	The OLS coefficient for each way of meeting's effect on relationship quality (with controls)
Met Through Family	4.40*	-0.12
Met Through Friends	4.47	-0.09
Met In a Bar, Restaurant, or other Public Entertainment Space	4.47	-0.07
Met Through or As Neighbors	4.48	-0.03
Met Online	4.51	0.09
Met Through or As Coworkers	4.51	0.05
Met in College or University	4.57*	0.08
Met in Primary or Secondary School	4.59**	0.15*
Met in Church	4.67***	0.13*
All Couples	4.47 (SD=0.75)	

No.2.8.5 to 41 couple, and/or 23 reconcision: whose partners ware already decreased, and end-olds 156 regreduets, who did not have any ender the synthese. The whose index the synthese intervention of the synthese regression with the anti-synthese thready decreased and any enders of the synthese regression. The synthese regression with notwer tables of the synthese regression with notwer tables of the synthese regression with notwer tables of the synthese regressions. The synthese regressions with notwer tables of the synthese regressions. The synthese regressions with notwer tables of the synthese regressions with notwer tables of the synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions. The synthese regressions with not synthese regressions with not synthese regressions with not synthese regressions with not synt

Breakup rates not much influenced by How Couples Meet

	One Year Breakup Rate (pct)	Raw Odds Ratio (at 1 year)	Adjusted Odds Ratio (at 1 year)	Adjusted yearly odds of break- up after 4 years
Met Online (met within past 10 years)	15.6	0.86	0.69	1.05
Met Online (met within past 10 years)	17.0			
Met Through Family: Yes	8.7	1.01	1.25	1.81*
No	8.7			
Met Through Friends: Yes	9.6	1.20	1.41*	1.36
No	8.1			
Met in a Bar/Restaurant: Yes	7.3	0.81	0.96	0.89
No	9.0			
Met Through or As Neighbors: Yes	7.6	0.86	0.94	0.89
No	8.8			
Met Through or as Coworkers: Yes	6.3	0.66	0.66	0.83
No	9.2			
Met in College or University: Yes	6.5	0.72	0.90	0.76
No	8.9			
Met in Primary or Secondary School: Yes	5.2	0.55*	0.58	1.05
No	9.2			
Met in Church: Yes	1.4	0.14**	0.27	0.54
No	9.2			

llow-up survey. Excluding respondents whose partners were already deceased and excluding respondents who die we I yields an N of 2,429. Among these, 775 met within 10 years prior to wave I. Means weighted by weight. Fami respondent or partner. Each of the odds ratios is computed via separate logistic regressions. Raw odds ratios tak

Table 4: Comparing 2009 How Couples Meet to 1992 National Health and Social Life Survey

1992 NHSLS pct	(Who were cohabiting in 1992) pct	2009 HCMST (All) pct	HCMST (Met after 1999) pct	
15.6	15.0	11.7**	9.5***	
40.3	33.1***	34.6***	30.7***	
5.8	8.0*	8.3*	6.9	
7.3	5.7	4.9*	1.4***	
0.7	1.4	1.6*	1.4	
31.7	32.0	36.0*	43.1***	
1992	1992	2009	2009	
1992	1992	2009	2009	
1,367	968	1,848	593	
	1992 NHSLS pct 15.6 40.3 5.8 7.3 0.7 31.7 1992 1992 1,367	(Who were 1992 Cohabing 19192 In 1982 19192 In 1982 191 15.0 15.6 15.0 15.6 15.0 15.7 3.5.7 1.4 31.7 31.7 32.0 1992 1992 1992 1992 1.367 968	(Who were 2009 1982 ochobing HCMST 1983 ochobing HCMST 1984 ochobing HCMST 1985 ochobing HCMST 1987 ochobing HCMST 1987 ochobing HCMST 1987 1982 2009 1982 1992 2009 1,367 968 1,848	(Who were 2009 H-KMST 1992 in 1992 (Mat all set) H-KLST 1992 in 1992 (All set) 1996) 1955 11.7" 9.5" 55.6 11.7" 9.5" 56.8 5.7 4.9" 1.4"** 0.7 1.4 1.5" 1.4"** 31.7 32.0 36.0" 4.3.1"*** 1992 1992 2009 2009 1992 1992 2009 2009 1.367 968 1.848 593

two-tailed tests. columns 2 and 3 (HCMST) with colum ****** C data weighted by F mn 1 (NHSLS). Tests are two sample t-tests with unequal variance, sta RWEIGHT, HCMST data weighted by weight2. m¹c most nerent spouse or unmarried cohabiting partner. For HCMST

habiting partner. For HCMST, question





From: http://fivethirtyeight.blogs.nytimes.com/2012/05/09/support-for-gay-marriage-outweighe-conceition-in-polle/

Pew data show generational differences and change within birth cohorts w.r.t same-sex marriage



The increase in support for same-sex marriage fueled by generational trends has been accompanied by the number of Americans who say they have changed their minds on the issue, according to our March poll (http://www.people-press.org/2013/03/201/growing-support-for-gay-marriage-changed-minds-and-changing-demographics/#changed-minds).

Long term changes in the nature of Family Government in the US, and in the values parents impart to their children

Trait	Mother c 1900	Self 1924	Mother c 1954	Self 1978
Tolerance (respect for opinions opposed to one's own)	5.0	5.7	21.9	46.8
Independence (ability to think and act for oneself)	15.8	24.8	34.4	75.8
Strict Obedience	64.4	45.4	43.8	16.8
Loyalty to the church	69.3	50.4	35.0	22.4
Good manners	40.6	30.5	40.4	23.3
Frankness in dealing with others	24.8	27.0	16.7	25.5
Desire to make name in the world	5.0	5.0	6.6	0.9
Concentration	4.0	9.2	4.1	7.7
Social-mindedness	6.9	12.8	17.3	25.7
Appreciation of art and music	5.0	9.2	3.3	4.8
Economy in money matters	21.8	24.8	26.0	16.8
Knowledge of sex hygiene	2.0	14.9	5.1	7.8
Curiosity	1.0	0.7	2.6	9.9
Patriotism	16.8	20.6	8.3	4.5
Getting very good trades in school	14.9	19.1	23.6	6.
N	101	141	313	324

Source: Adapted from Alwin, Duane F. "From Obedience to Autonomy: Changes in Traits Desired in Children, 1924-1978." Public Opinion Quarterly 52:33 52,7abie 1. Most desired traits are the top 3 traits parents most strongly desire for their children, from the list of 15 traits 1924 data are from the lundr's Middletown. 1978 data are from Theodor Capitov N Middletown Tamilies.



Source: From these Couples Meet and Stay Together, Week is variables derived from question: 24 (open text sources for: "How did you must partner," and"): 34-24 (24) for the source and the source of the s

An alternate view of Figure 1 for heterosexuals which used lowess smoothing for all ways of meeting, including meeting online. Note the earlier take-off and higher end peak (both less accurate) for Met Online in this figure



Why smoothing is needed: the data are too noisy without smoothing

Figure 1: The Changing Way Americans Meet Their Partners





Appendix Table A4b: Partnership rate in the US is flat 1995-2009, for adults age 30-49

C=B+A) Percentage partnered	 B) Percentage with unmarried coresident partner 	A) Percentage married	year
72.9	3.3	69.6	1995
72.1	3.4	68.7	1996
71.9	3.6	68.3	1997
71.4	3.6	67.8	1998
71.7	4.1	67.6	1999
72.3	4.7	67.6	2000
72.5	4.8	67.7	2001
72.1	4.8	67.3	2002
71.9	4.8	67.1	2003
72.8	5.4	67.4	2004
72.4	5.4	67.0	2005
72.2	5.5	66.7	2006
72.8	5.6	67.2	2007
72.1	6.1	66.0	2008
72.2	6.0	66.2	2009

Table 7: Responde	Percent with Partners (met 1995 or	Raw Odds	Access at H Adjusted Odds	Percent with Coresident Partners (met 1995 or Interl	Raw Odds	Adjusted Odds	Percent Married (met 1995 or	Raw Odds Patio	Adjusted Odds
Respondents without their own Internet access	35.9			18.0			10.6		
Respondents with their own Internet access	71.8	4.54***	1.78***	52.6	5.04***	2.62***	41.5	5.94***	3.36***

Source: From How Couples Meet, Wave I. Respondents are age 19 and higher. Sample encludes 28 respondents whose text answers implied that their reported partner was already deceased, and all repondents who met their partners before 1995. No. 2,400. Averages are weighted by weight. If "Ph. 2000, the valid tests: Raw only enclusional science and any and the set of the set of the source. Adjusted odds ratios anclude couples that met before 1995, and control via logistic regression for respondent age, gender, education, GLB status, race, and reliado.

Characteristics of the Knowledge Networks/ GfK Panel and the HCMST data Not an opt-in panel: Recruitment started with nationally representative RDD survey

- The Internet mode of survey delivery has proven advantages because respondents answer the questions when they The interfact index using the interface of the interface
- Easy to identify target sub-populations (in this case self-identified GLB adults) from profile questions already asked.
- Suitable for moderate duration longitudinal studies because subjects remain in the KN panel for years.
- Downside: Because recruitment occurs over several stages (first contact has =33% response rate; first demographic survey has 55% response rate; first wave of HCMST had 71% response rate), the overall response rate is low (multiplying together the response rates at each stage), generally -20%.
- Despite low overall response rate, KN panel has been experimentally tested and found to be equal to or better than industry standard RDD in terms of national representativity, bias, and data quality. Frider et z. 2005. "An Experimental Comparison of Web and Teghono: Surveys." Polic Quinon Quarterly 69 (3):370-392. Quarg, Linchiat, and Jon A. Krosnick. 2009. "National Surveys via SIDD Telephone Interviewing versus the Internet: Comparing Sample Revenetativeness and Response Quality". Polic Quinon Quarterly 79 (3):570-392. paper
- HCMST characteristics: Wave 1 in 2009, Oversample of self-identified GLB adults, Yearly follow-ups to see whether partnered respondents are still together with their partner from 2009. .

	men and	women in		
	women in	unmarried	men	women
	heterosexual	heterosexual	nartnered	partnered
	marriages	partnerships	with men	with women
Individual attributes		here reaches		
	40.4	20.7	10.0	40.0
respondent Age	40.4	39.7	42.0	40.6
pct respondents with college degree	28.8	23.6	42.4	47.1
Couple or household attributes				
Respondent's mean household income				
(\$2008)	65,700	53,100	69,200	63,000
Bet Interrogial	7.2	14.0	17.2	15.0
Potitionadia	1.2	14.0	17.5	13.0
Pct Interreligious	38.0	47.9	47.2	44.6
Pct Respondents parents (one or both)	89.6	65.0	56.8	59.2
approve of union	00.0	00.0	00.0	00.2
Median distance moved (in Miles) from the	50	10	150	100
place where respondent was raised	50	10	150	100
Pct of couples that are coresident	94.4	37.5	63.8	79.7
Mean number of children in respondent's				
household	0.62	0.34	0.11	0.25
Moon how long ago first mot (voors)	246	0.1	11.5	10.4
Mean how long ago institute (years)	24.0	0.1	10.6	10.4
wear now long in relationship (years)	23.3	0.7	10.6	9.4
Weighted number of Individuals in the US	119 950 000	46 700 000	1 900 000	1 450 000
unwoighted N in wowe 1	1922	702	242	222

Individual and Couple Characteristics by Couple Type from HCMST wave 1

Source: From How Couples Meet, Wave I. Respondents are age 19 and higher, weighted with weight2. Averages are weighted, it couples differ among the 5 racial categories (white, black, american Indian/Nitwie American, Asian, Other) with Hispanics greace the 5 categories, Hispanics of "other" race coded as white, and multitudial respondents forced to pick one category, see ASS vai RESINO. Internitingious couples differ among the 5 religious categories (Protectant, Catholic, Jewich, Other, and non-religious). ad across

How Americans Met their Spouses and Current Partners, detailed veiw (percentages)

								Stat Sig		Stat Sig	
		Unmarried						same-	Stat	partnered	
	Men	Men		Unmarried		Women		sex	Sig	gay men	
	married	partnered	Women	Women	Men	partnered		couples	men	 VS	
	to	with	married	partnered	partnered	with	Stat	VS.	VS.	partnered	
	Women	Women	to Men	with Men	with Men	Women	Sig.	Hetero	women	lesbians	
How Couple Met							-				
Met Through Friends	36.8	33.1	36.3	38.3	19.7	26.0	***				
Met Through Family	17.4	14.0	22.0	15.0	0.1	7.7	***		**		
Met Through											
Respondent's Own Family	9.0	7.9	15.5	10.9	0	0.8					
Met as Coworkers	19.3	11.3	16.1	15.4	12.7	22.8	***			***	
Met at Bar, Club, or	20.7	15.7	167	19.0	26.7						
Restaurant	20.7	10.7	10.7	10.0	20.7	11.4					
Met through Internet	4.5	13.8	3.6	10.0	27.3	24.1					
Met Through Work as Client	9.5	7.6	8.4	10.4	2.1	4.0					
Met in Primary or Secondary School	13.6	8.7	13.5	7.8	0	6.5				¥	
Met in College	8.6	5.6	9.7	7.0	9.1	10.9	••				
Met through Church	7.0	2.9	9.5	2.6	1.5	1.3					
Met in Social Group, not Church	5.3	6.8	4.9	6.8	13.2	16.7	•••				
Met in Neighborhood	9.6	5.7	11.0	12.1	10.9	4.7					
Blind Date	4.3	2.9	3.8	2.9	4.9	0.5					
Private Party	13.5	14.0	11.1	9.5	11.6	12.9					
In Public Place	5.9	14.3	9.1	10.2	5.9	4.7					
N	939	307	848	377	234	229					

des 49 refusals and ighted. Unless bies derived from question 24 (open text answer box: "How did you meet partner pame). N=2934, which excludes 48 evaluates are norms are que 19 and higher. Averages are weighted by weight?: tests comparing gay men to bealoains are unweighted. Unless kans can belong to either respondent or partner. Percentages don't add to 100% because more than one category can it is croups, whereas CLB use, hierons ond men use, women pomorea accouse 2 croups. "** P-00.05: ** B-0.01; ** P-0.01; ngtul responses to Q24. Res ified, Friends, Family. and C