The Drop in Worry about Crime and Its Gender Gap: Trends in England and Wales from 1998 to 2019/2020

- Supplementary materials -

Table of contents

Table S1. Effective sample sizes used to analyse trends in worry about crime in CSEW (1998-2019/2020)

		1998	2000	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Burglary	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	14,935	23,270	32,801	36,456	37,912	45,097	47,780	47,186	46,968	11,527	11,184
	% females	56.67%	54.41%	55.75%	55.39%	55.17%	55.32%	55.23%	54.83%	54.56%	54.35%	54.90%
Mugging	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	14,890	23,175	32,703	36,376	37,834	45,018	47,720	47,111	46,909	11,505	11,171
	% females	56.60%	54.33%	55.69%	55.33%	55.13%	55.27%	55.21%	54.81%	54.55%	54.33%	54.89%
Car theft	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	10,427	16,991	24,126	27,099	28,449	34,200	36,935	36,595	36,635	9,028	8,734
	% females	52.12%	50.46%	51.84%	51.31%	51.47%	51.60%	51.72%	51.57%	51.25%	51.77%	51.64%
Theft from car	Subsample	All*	All*	All*	All*	All*	All*	All*	All*	All*	Module C*	Module C*
	Sample asked	14,947	16,997	24,133	27,108	28,452	34,204	36,940	36,601	36,641	9,029	8,734
	Effective sample	14,905	16,914	24,058	27,042	28,378	34,139	36,882	36,507	36,580	9,015	8,710
	% females	52.09%	50.45%	51.82%	51.30%	51.43%	51.57%	51.72%	51.54%	51.25%	51.72%	51.60%
Rape	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	13,549	21,385	29,145	32,422	33,667	40,921	44,886	44,943	45,005	10,963	10,517
	% females	61.76%	58.26%	61.43%	61.34%	61.16%	60.18%	58.29%	57.03%	56.55%	56.66%	57.84%
Assault	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	14,897	23,207	32,719	36,395	37,822	45,017	47,739	47,125	46,918	11,522	11,169
	% females	56.66%	54.37%	55.74%	55.36%	55.16%	55.31%	55.22%	54.82%	54.55%	54.33%	54.89%
Hate crime	Subsample	All	All	All	All	All	All	All	All	All	Module C	Module C
	Sample asked	14,947	23,285	32,824	36,479	37,931	45,120	47,796	47,203	46,983	11,534	11,189
	Effective sample	13,284	21,324	26,495	29,048	30,463	37,913	43,004	44,255	45,025	11,148	10,724
	% females	56.23%	54.08%	55.20%	55.10%	54.91%	55.13%	55.03%	54.66%	54.44%	54.18%	54.63%
Online crime	Subsample											
	Sample asked											
	Effective sample											
	% females											
Identity theft	Subsample											
	Sample asked											
	Effective sample											
	% females											
Fraud	Subsample											
	Sample asked											
	Effective sample											
	% females											

*if worry about car theft is valid answer; **if has car; ***if has car and worry about car theft if valid answer

Table S1 (continued)

		2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Burglary	Subsample	Module C	Module C	Module C	Module C	Module C	Module C	Module C	Module C	Module B	Module B
	Sample asked	11,638	11,548	8,797	8,756	8,209	8,739	8,753	8,552	8,632	8,576
	Effective sample	11,627	11,538	8,792	8,751	8,207	8,729	8,722	8,543	8,623	8,569
	% females	54.62%	54.51%	55.10%	54.67%	54.63%	54.60%	53.59%	53.44%	54.25%	54.65%
Mugging	Subsample	Module C	Module C	Module D	Module C	Module C	Module C	Module C	Module C	Module D	Module D
	Sample asked	11,638	11,548	8,081	8,756	8,209	8,739	8,753	8,552	8,217	7,972
	Effective sample	11,605	11,517	8,067	8,704	8,192	8,727	8,716	8,533	8,188	7,959
	% females	54.58%	54.48%	54.13%	54.61%	54.60%	54.58%	53.53%	53.42%	54.41%	53.94%
Car theft	Subsample	Module C	Module C	Module B**	Module B**	Module B**	Module B**	Module B**	Module B**	Module C**	Module C**
	Sample asked	11,638	11,548	7,150	6,938	6,702	7,101	7,132	7,093	6,737	6,682
	Effective sample	9,083	8,887	6,973	6,830	6,576	6,989	7,014	7,015	6,669	6,621
	% females	51.75%	51.77%	51.94%	51.74%	52.98%	52.63%	53.08%	51.60%	50.97%	51.10%
Theft from car	Subsample	Module C*	Module C*	Module B**	Module B***	Module B***	Module B***	Module B***	Module B***	Module C***	Module C***
	Sample asked	9,085	8,891	6,976	6,831	6,578	6,991	7,015	7,018	6,672	6,624
	Effective sample	9,064	8,887	6,972	6,827	6,562	6,981	7,009	7,009	6,658	6,619
	% females	51.71%	51.79%	51.97%	51.75%	52.97%	52.60%	53.06%	51.62%	50.98%	51.10%
Rape	Subsample	Module C	Module C	Module D	Module C	Module C	Module C	Module C	Module C	Module D	Module D
	Sample asked	11,638	11,548	8,081	8,756	8,209	8,739	8,753	8,552	8,217	7,972
	Effective sample	10,808	10,824	7,749	8,420	7,983	8,442	8,563	8,422	8,085	7,856
	% females	57.92%	57.25%	55.81%	56.02%	55.73%	55.91%	54.23%	53.91%	54.79%	54.29%
Assault	Subsample	Module C	Module C	Module D	Module C	Module C	Module C	Module C	Module C	Module D	Module D
	Sample asked	11,638	11,548	8,081	8,756	8,209	8,739	8,753	8,552	8,217	7,972
	Effective sample	11,619	11,515	8,067	8,707	8,201	8,720	8,721	8,533	8,185	7,960
	% females	54.57%	54.44%	54.12%	54.65%	54.60%	54.58%	53.55%	53.45%	54.33%	53.92%
Hate crime	Subsample	Module C	Module C	Module D	Module C	Module C	Module C	Module C	Module C	Module D	Module D
	Sample asked	11,638	11,548	8,081	8,756	8,209	8,739	8,753	8,552	8,217	7,972
	Effective sample	11,085	10,988	7,722	8,437	8,032	8,505	8,496	8,467	8,159	7,914
	% females	54.41%	54.51%	54.20%	54.49%	54.51%	54.56%	53.40%	53.41%	54.36%	53.99%
Online crime	Subsample				Module D	Module D	Module D	Module D	Module D		
	Sample asked				8,382	7,884	8,481	8,418	8,306		
	Effective sample				7,216	6,858	7,375	7,557	7,437		
	% females				53.30%	53.81%	52.87%	52.73%	52.62%		
Identity theft	Subsample					Module D	Module D	Module D	Module D	Module D	Module D
	Sample asked					7,884	8,481	8,418	8,306	8,217	7,972
	Effective sample					7,745	8,311	8,307	8,169	8,189	7,951
	% females					54.94%	53.81%	53.14%	53.21%	54.38%	53.94%
Fraud	Subsample									Module D	Module D
	Sample asked									8,217	7,972
	Effective sample									8,187	7,960
	% females									54.40%	53.93%

*if worry about car theft is valid answer; **if has car; ***if has car and worry about car theft if valid answer

Figure S1. Line graph containing changes in worry about different types of crime (mean values normalised to 1998 baseline) between 1998 and 2019/20
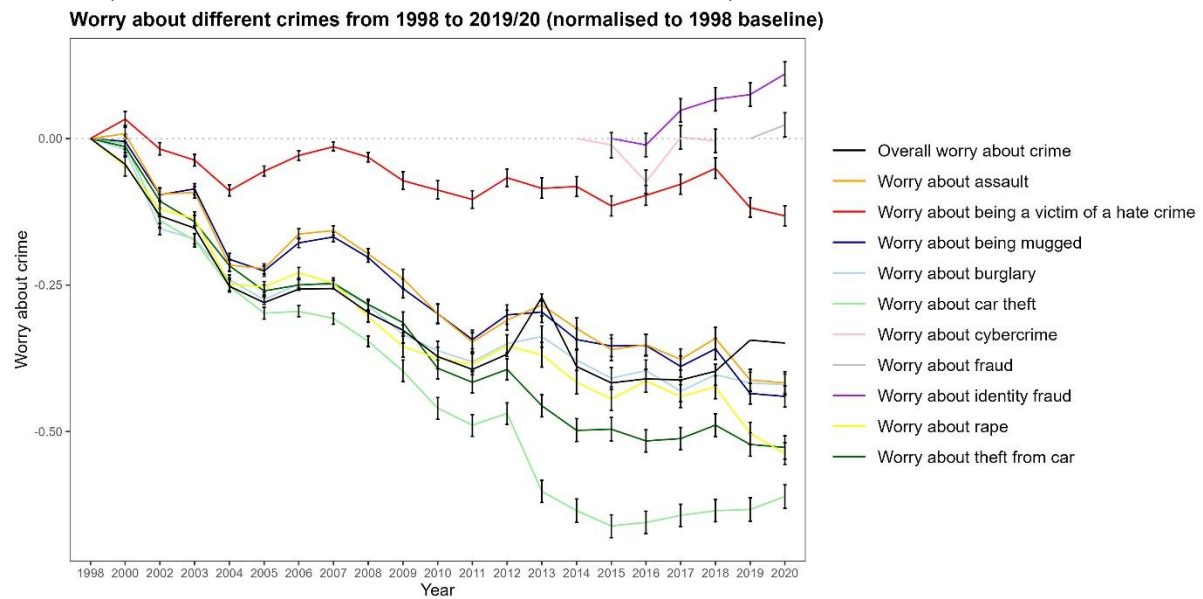

Figure S2. Line graph containing changes in worry about different types of crime (measured as % of respondents who are 'very worried') between 1998 and 2019/20
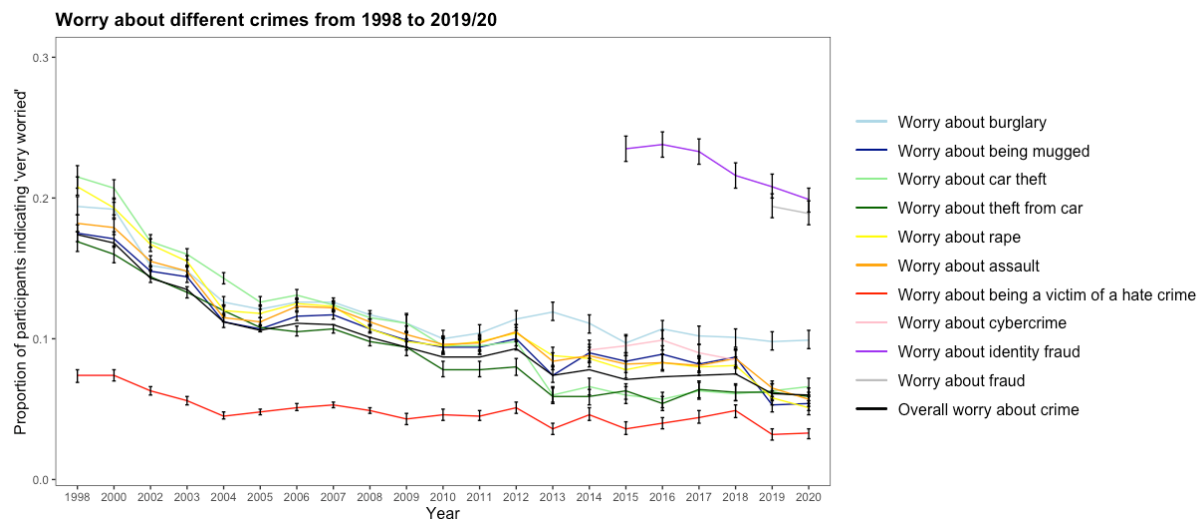
Table S2. Modified MK trend test and Sen's slope for changes in worry about different types of crime (measured as % of respondents who are 'very worried') between 1998 and 2019/20

Worry about…	Modified MK trend test	Sen's slope
Burglary	-0.762***	-0.003
Mugging	-0.829***	-0.005
Car theft	-0.790***	-0.007
Theft from car	-0.824***	-0.005
Rape	-0.881***	-0.005
Assault	-0.862***	-0.005
Hate crime	-0.610***	-0.001
Overall	-0.876***	-0.004

***p-value < 0.001, **p-value < 0.01, *p-value < 0.05

Figure S3. The gender gap in worry about different types of crime (measured as % of respondents who are 'very worried') from 1998 to 2019/20
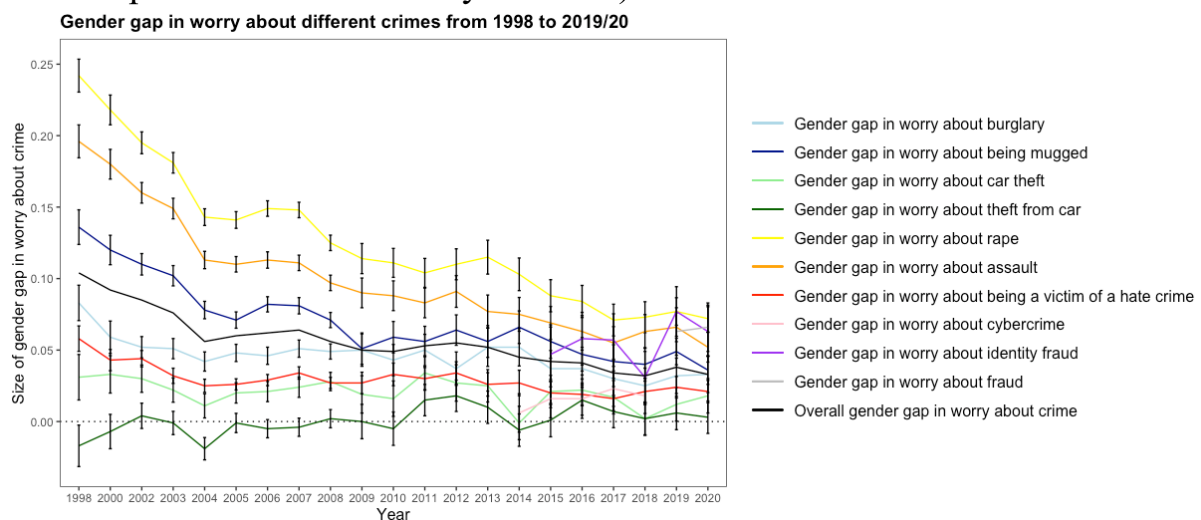
Table S3. Modified MK trend test and Sen's slope for changes in the gender gap in worry about different types of crime (measured as % of respondents who are 'very worried') between 1998 and 2019/20

Gender gap in worry about...	Modified MK trend test	Sen's slope
Burglary	-0.543***	-0.001
Mugging	-0.790***	-0.004
Car theft	-0.371*	-0.001
Theft from car	0.390*	0.001
Rape	-0.876***	-0.007
Assault	-0.910***	-0.005
Hate crime	-0.538***	-0.001
Overall	-0.843***	-0.003

***p-value < 0.001, **p-value < 0.01, *p-value < 0.05

Table S4. Year on year variation (relative percentage change) in worry about crime (mean values) between 1998 and 2019/20

	1998-2000	2000-2001/02	2001/02-2002/03	2002/03-2003/04	2003/04-2004/05	2004/05-2005/06	2005/06-2006/07	2006/07-2007/08	2007/08-2008/09	2008/09-2009/10
Burglary	-0.70*	-5.02***	-0.67*	-2.76***	-1.38***	1.11***	-0.08	-1.42***	-2.02***	-1.18*
Mugging	-0.20	-3.68***	0.42	-5.02***	-0.88**	2.13***	0.43	-1.52***	-2.33***	-1.94***
Car theft	-0.34	-4.92***	-1.34***	-3.12***	-1.90***	0.13	-0.50	-1.65***	-2.19***	-2.77***
Theft from car	-0.54	-3.62***	-1.41***	-3.07***	-1.82***	0.43	0.13	-1.54***	-1.35**	-3.43***
Rape	-2.18***	-3.45***	-0.83	-5.54***	-0.21	1.26***	-0.93**	-2.98***	-2.75***	-1.11
Assault	0.33	-4.23***	0.13	-5.31***	-0.27	2.68***	0.27	-1.76***	-1.88***	-2.74***
Hate crime	1.98**	-3.00***	-1.15*	-3.19***	2.09***	1.67***	0.91**	-1.09**	-2.44***	-1.00
Online crime										
Identity theft										
Fraud										

***p-value < 0.001, **p-value < 0.01, *p-value < 0.05

	2009/10-2010/11	2010/11-2011/12	2011/12-2012/13	2012/13-2013/14	2013/14-2014/15	2014/15-2015/16	2015/16-2016/17	2016/17-2017/18	2017/18-2018/19	2018/19-2019/20
Burglary	-0.81	1.33**	0.51	-1.69**	-1.33*	0.56	-1.51**	1.23*	-0.61	-0.13
Mugging	-2.02***	1.97***	0.23	-2.15***	-0.52	0.05	-1.69**	1.44*	-3.59***	-0.24
Car theft	-1.31*	0.92	-6.03***	-1.59*	-1.28	0.30	0.59	0.39	0.10	1.08
Theft from car	-1.09	1.01	-2.83***	-1.97**	0.10	-0.96	0.19	1.11	-1.57*	-0.24
Rape	-0.56	1.75*	-0.83	-2.62**	-1.61	1.75*	-1.49	0.93	-4.55***	-2.05*
Assault	-2.26***	1.78**	1.23*	-1.87**	-1.71**	0.39	-1.20	1.76**	-3.40***	-0.25
Hate crime	-1.01	2.36***	-1.12	0.19	-2.08**	1.16	1.21	1.70*	-4.14***	-0.90
Online crime					-0.41	-2.34***	2.89***	-0.22		
Identity theft						-0.49	2.66***	0.84	0.35	1.52*
Fraud										0.99

***p-value < 0.001, **p-value < 0.01, *p-value < 0.05