Angola - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2015-16

Birth cohort

Age at report

	Parameter	Estimate
1	intercept	0.08 [0.07 – 0.10]
2	skew	0.89 [0.81 – 0.97]
3	shape	9.81 [9.40 – 10.28]

Burundi - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

DHS2010-11

DHS2016-17
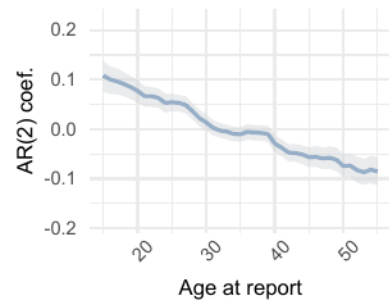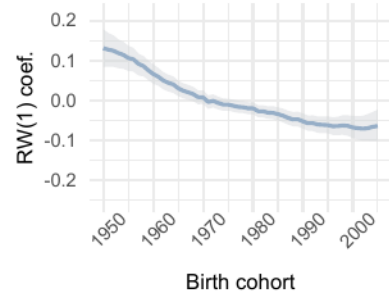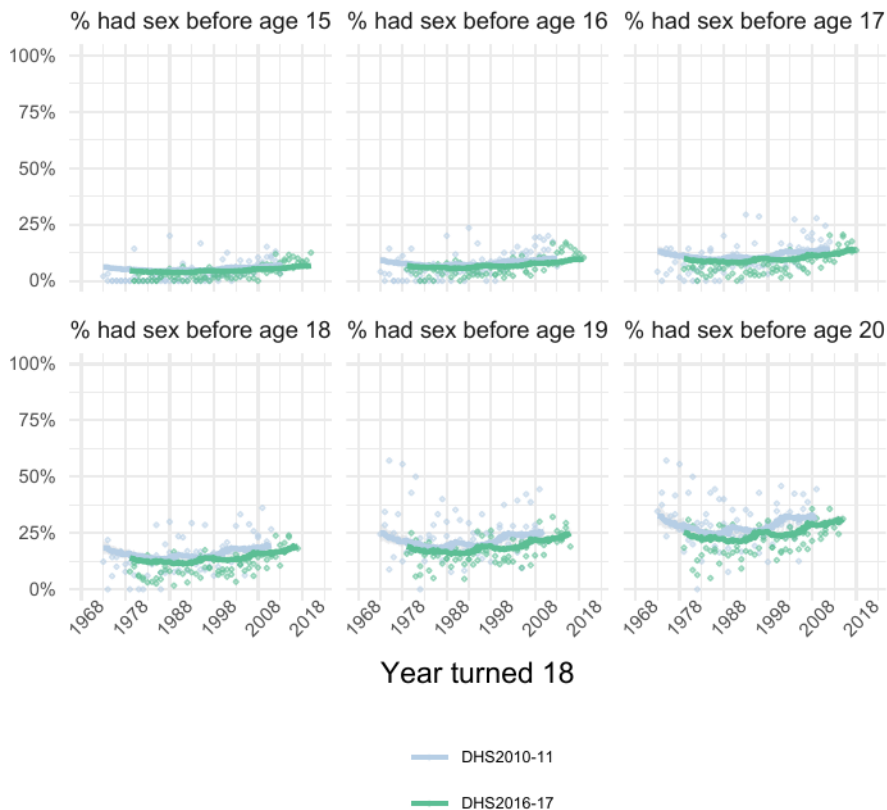
	Parameter	Estimate
1	intercept	-0.26 [-0.28 – -0.25]
2	skew	0.72 [0.68 – 0.76]
3	shape	8.84 [8.58 – 9.09]

Benin - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

Birth cohort

Age at report
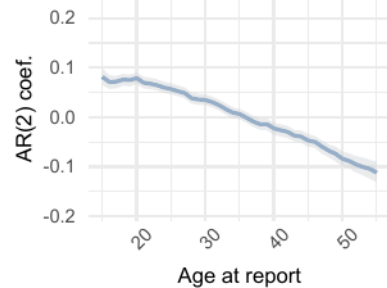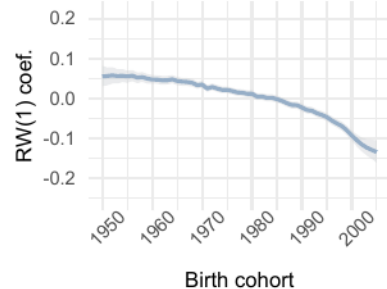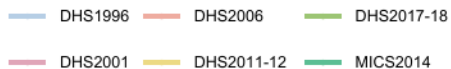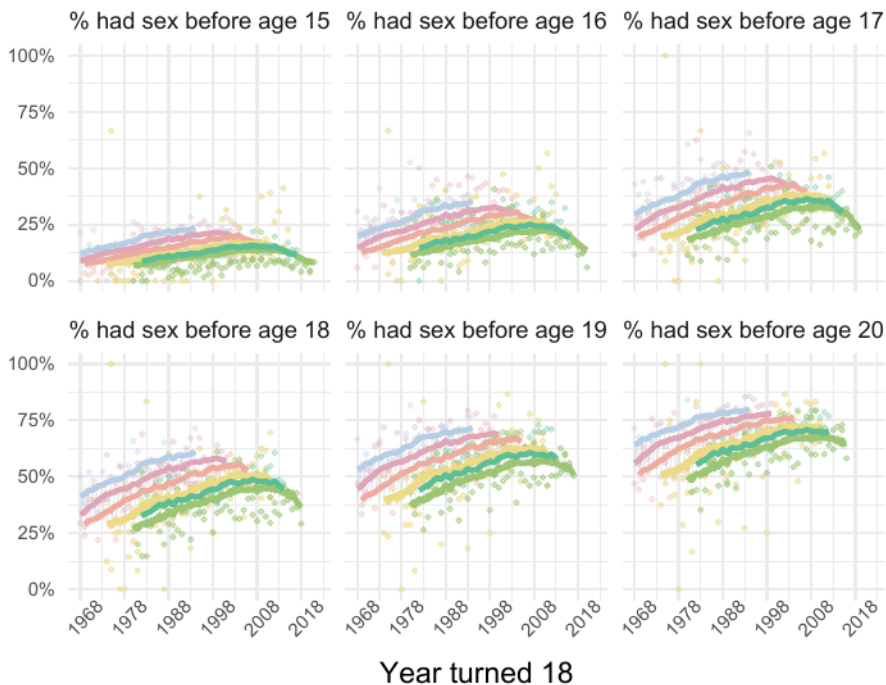
	Parameter	Estimate
1	intercept	-0.03 [-0.04 – -0.02]
2	skew	1.00 [0.95 – 1.04]
3	shape	8.91 [8.73 – 9.11]

DHS1996   DHS2006   DHS2017-18
DHS2001   DHS2011-12   MICS2014

Burkina Faso - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18
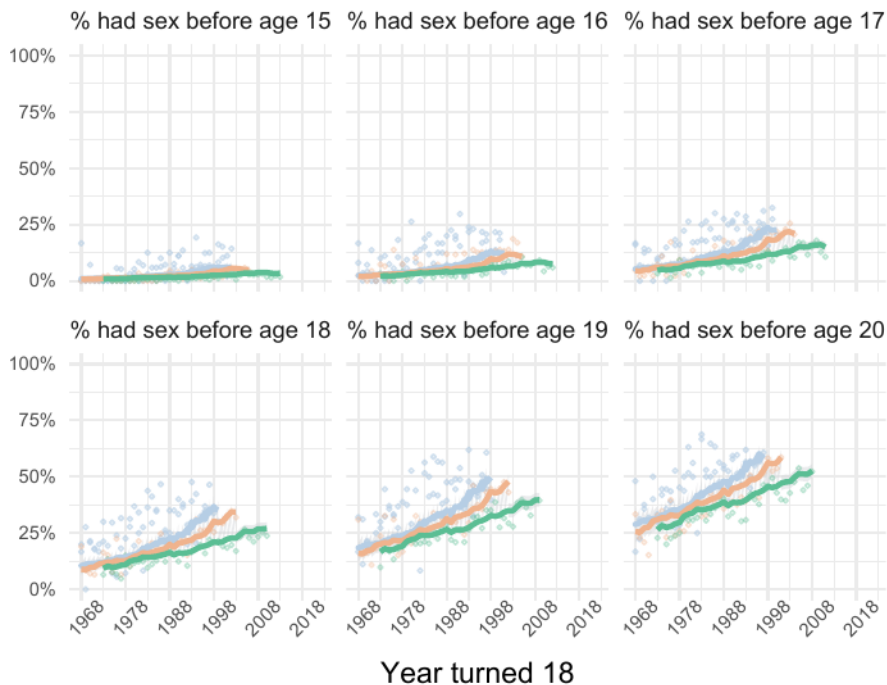
DHS1998-99 — DHS2010 — DHS2003

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
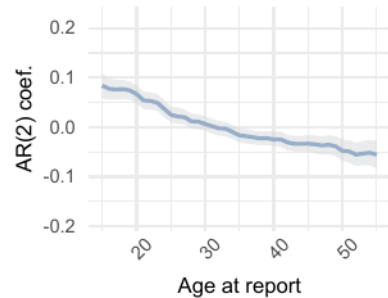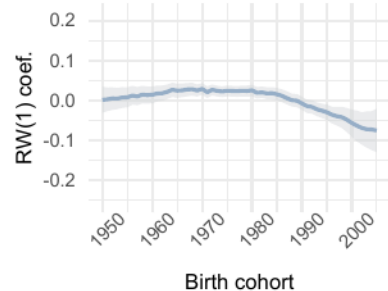
	Parameter	Estimate
1	intercept	-0.05 [-0.07 – -0.04]
2	skew	1.80 [1.63 – 1.98]
3	shape	8.74 [8.45 – 8.99]

Botswana - male

Data and model's prediction

% had sex before age 15 % had sex before age 16 % had sex before age 17

% had sex before age 18 % had sex before age 19 % had sex before age 20

Year turned 18
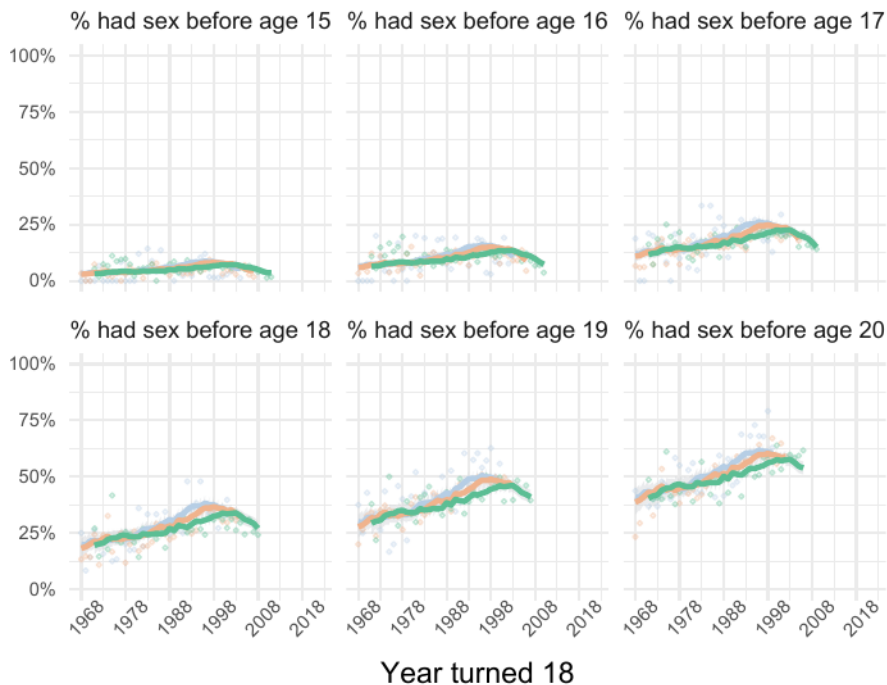
BAISI2001   BAISIII2008

BAISII2004

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
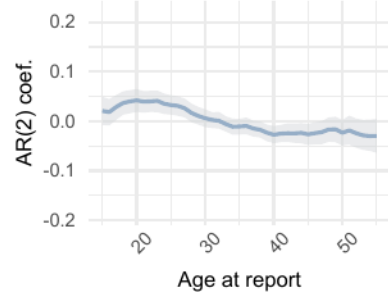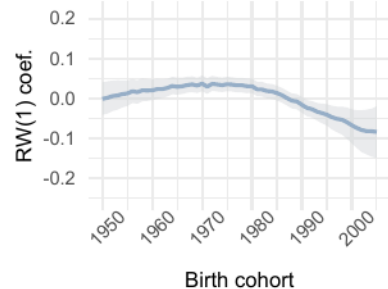
	Parameter	Estimate
1	intercept	-0.04 [-0.06 – -0.02]
2	skew	1.56 [1.43 – 1.68]
3	shape	8.15 [7.92 – 8.40]

Central African Republic - male

Data and model's prediction
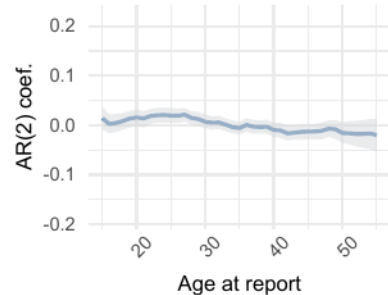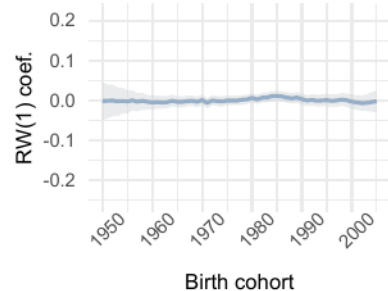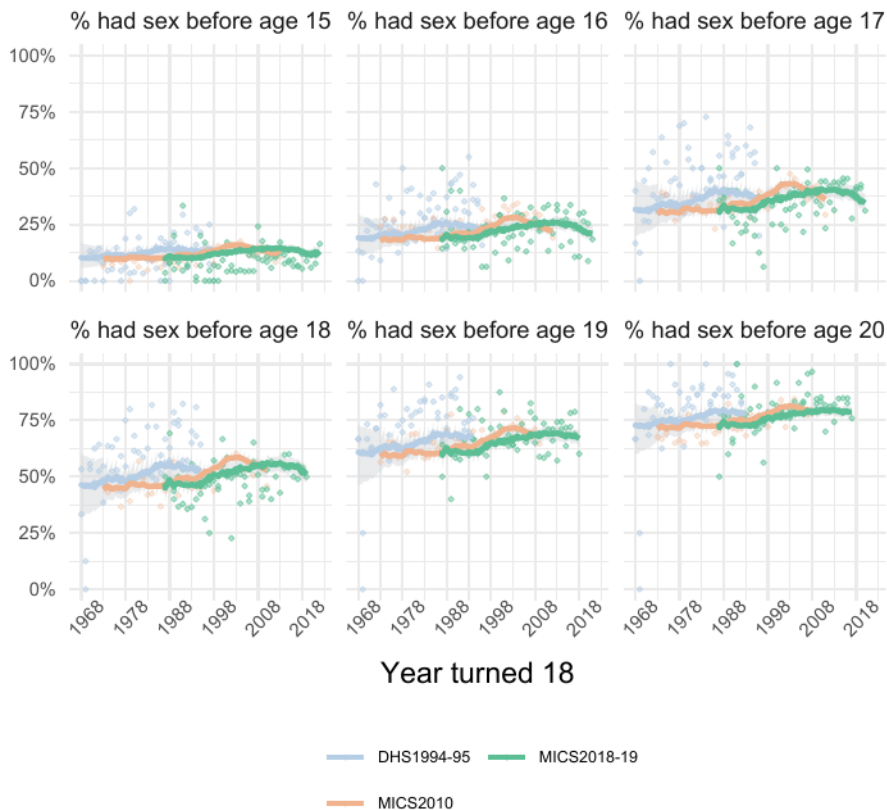
	Parameter	Estimate
1	intercept	0.03 [0.02 – 0.04]
2	skew	1.11 [1.02 – 1.20]
3	shape	10.51 [10.19 – 10.87]

Côte d'Ivoire - male
Data and model's prediction

% had sex before age 15 % had sex before age 16 % had sex before age 17

% had sex before age 18 % had sex before age 19 % had sex before age 20

Year turned 18

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
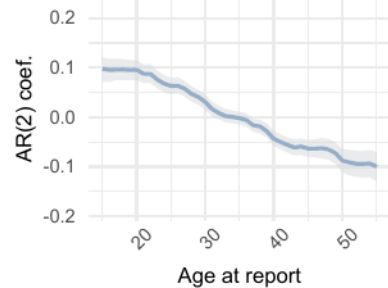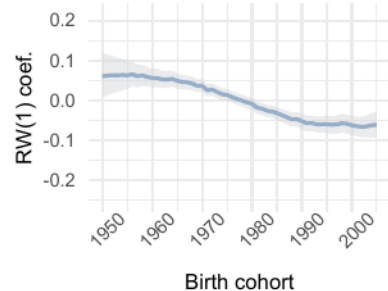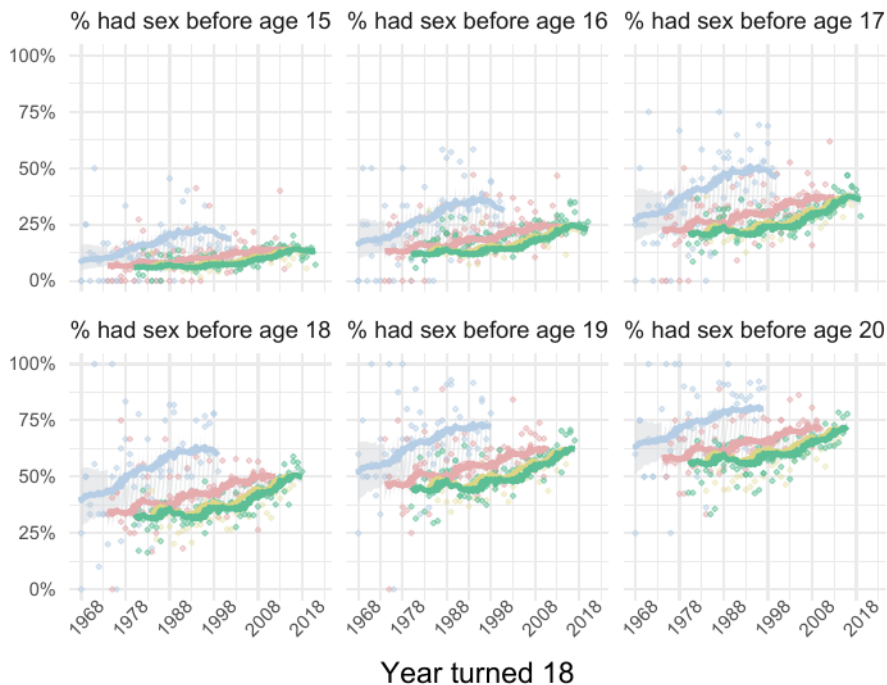
	Parameter	Estimate
1	intercept	0.07 [0.06 – 0.09]
2	skew	1.78 [1.65 – 1.90]
3	shape	8.01 [7.85 – 8.20]

DHS1998-99   MICS2016
DHS2011-12   PHIA2017-18

Cameroon - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS1998   DHS2011   MICS2014
DHS2004   DHS2018-19   PHIA2017-18

Birth cohort

Age at report
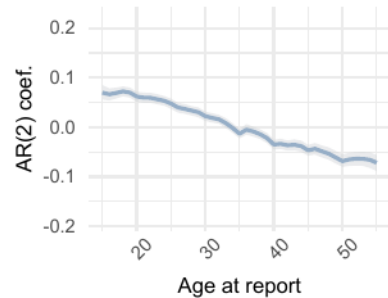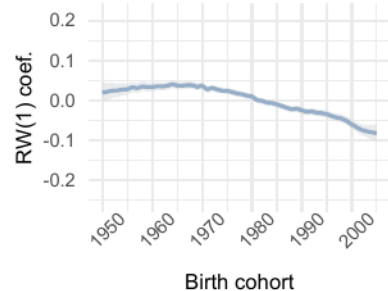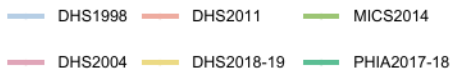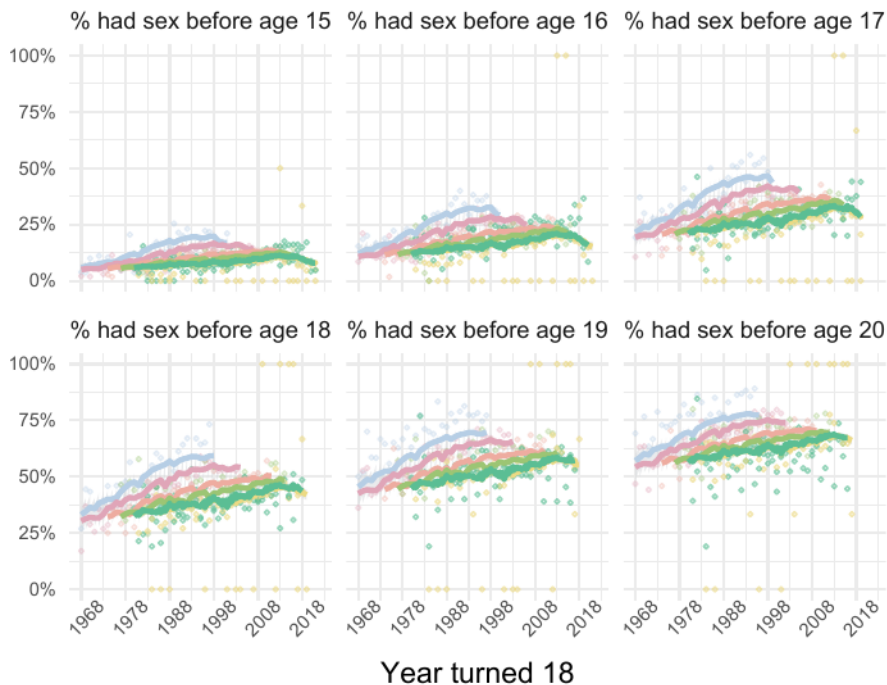
	Parameter	Estimate
1	intercept	0.10 [0.09 – 0.11]
2	skew	2.13 [2.01 – 2.27]
3	shape	7.72 [7.60 – 7.85]

Congo - Kinshasa - male

Data and model's prediction
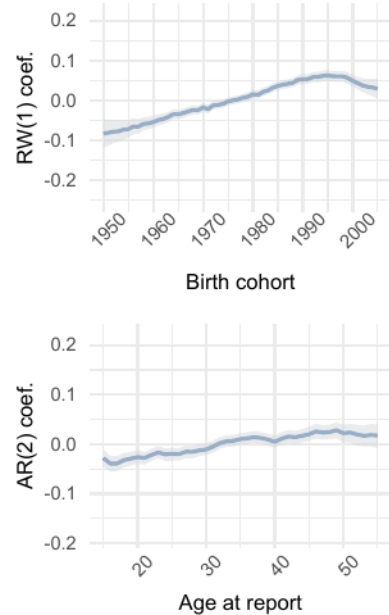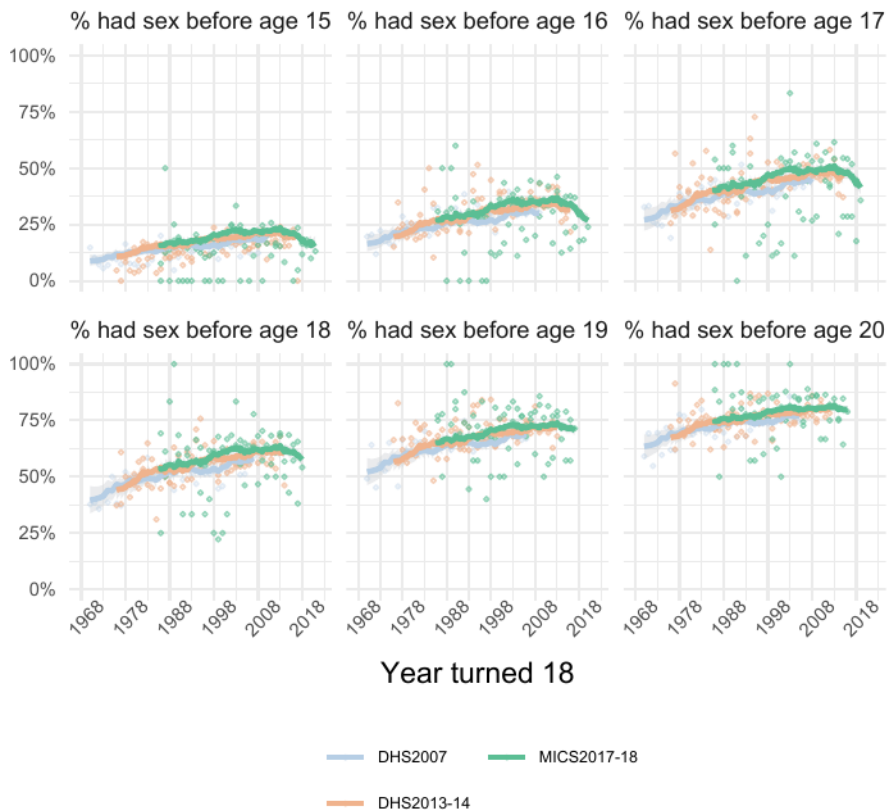
Parameter	Estimate
1	intercept	0.11 [0.09 – 0.12]
2	skew	1.62 [1.53 – 1.73]
3	shape	8.24 [8.06 – 8.42]

Congo - Brazzaville - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2005   MICS2014-15
DHS2011-12

RW(1) coef.
Birth cohort

AR(2) coef.
Age at report
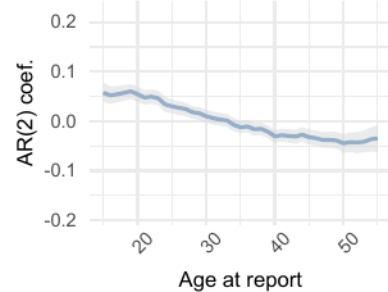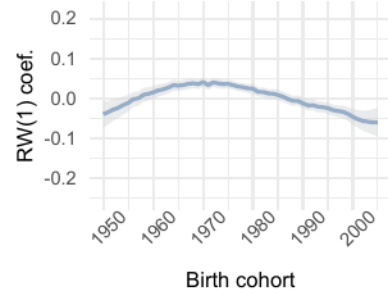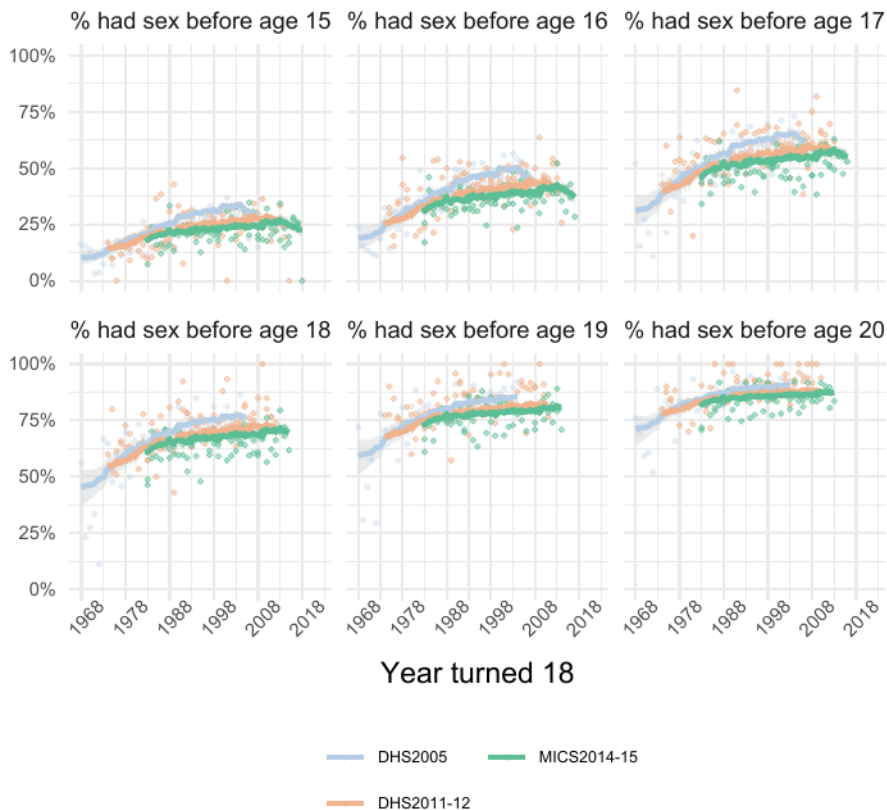
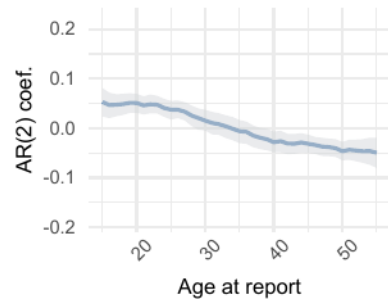|	Parameter	Estimate
1	intercept	0.09 [0.08 – 0.11]
2	skew	1.21 [1.13 – 1.29]
3	shape	9.93 [9.68 – 10.21]

Comoros - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
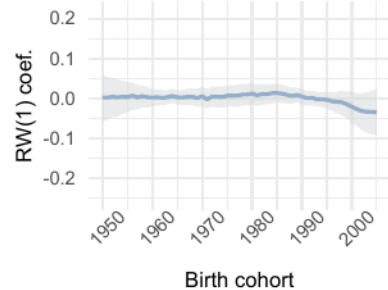
	Parameter	Estimate
1	intercept	0.06 [0.02 – 0.10]
2	skew	1.96 [1.64 – 2.40]
3	shape	6.48 [6.09 – 6.86]

DHS1996

DHS2012

Eritrea - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

PHS2010

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
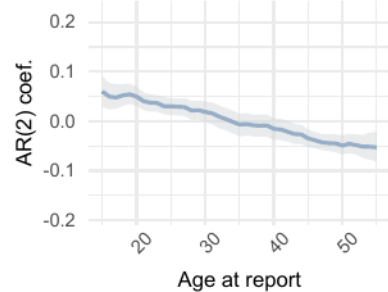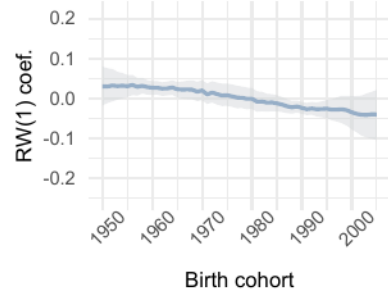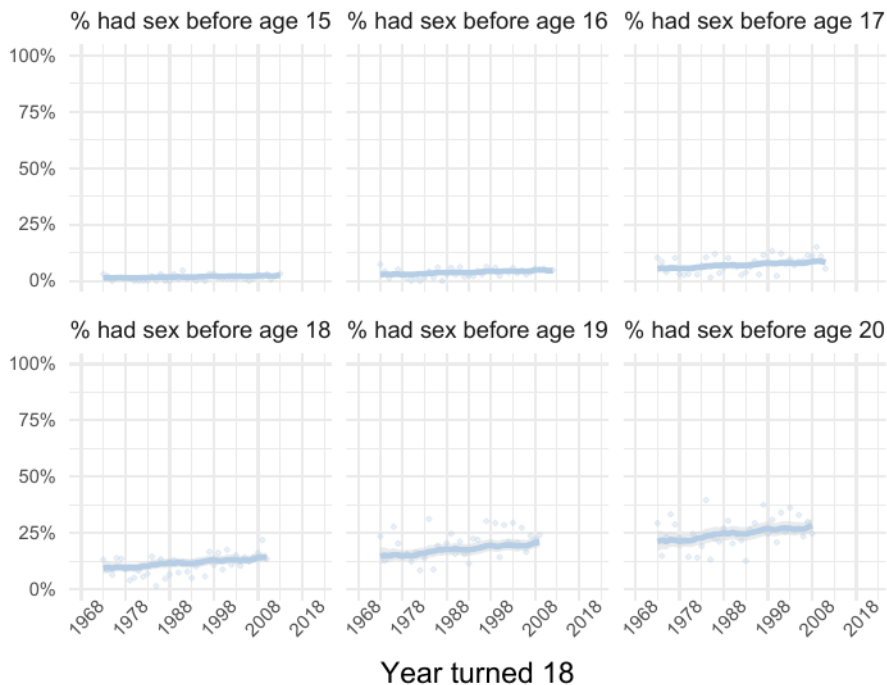
	Parameter	Estimate
1	intercept	0.02 [-0.04 – 0.07]
2	skew	3.20 [2.57 – 3.93]
3	shape	5.36 [5.12 – 5.64]

Ethiopia - male

Data and model's prediction
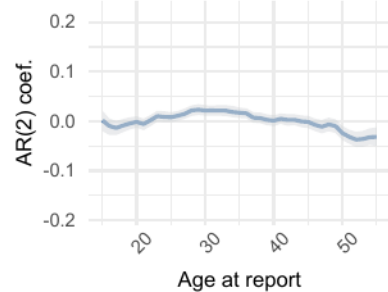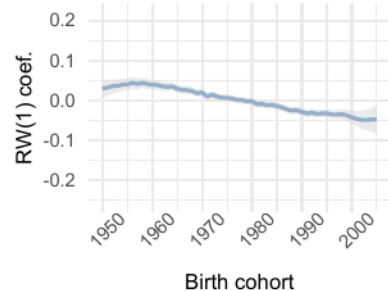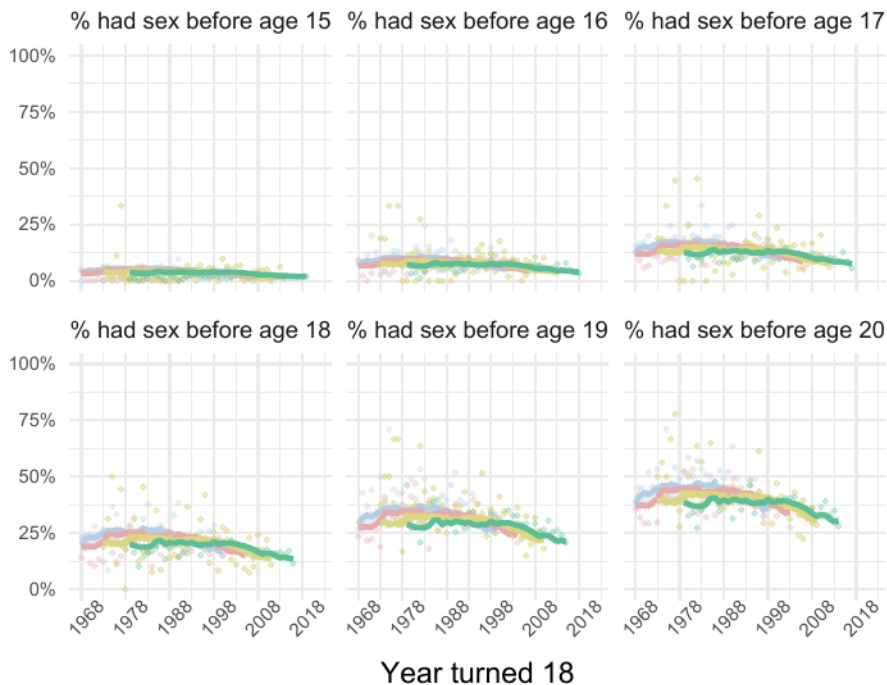
	Parameter	Estimate
1	intercept	-0.020 [-0.035 – -0.007]
2	skew	2.04 [1.91 – 2.16]
3	shape	6.65 [6.55 – 6.76]

Gabon - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

— DHS2000-01

— DHS2012
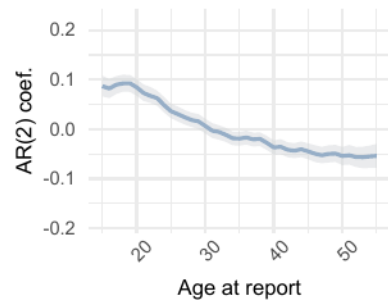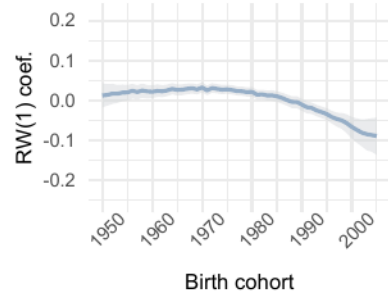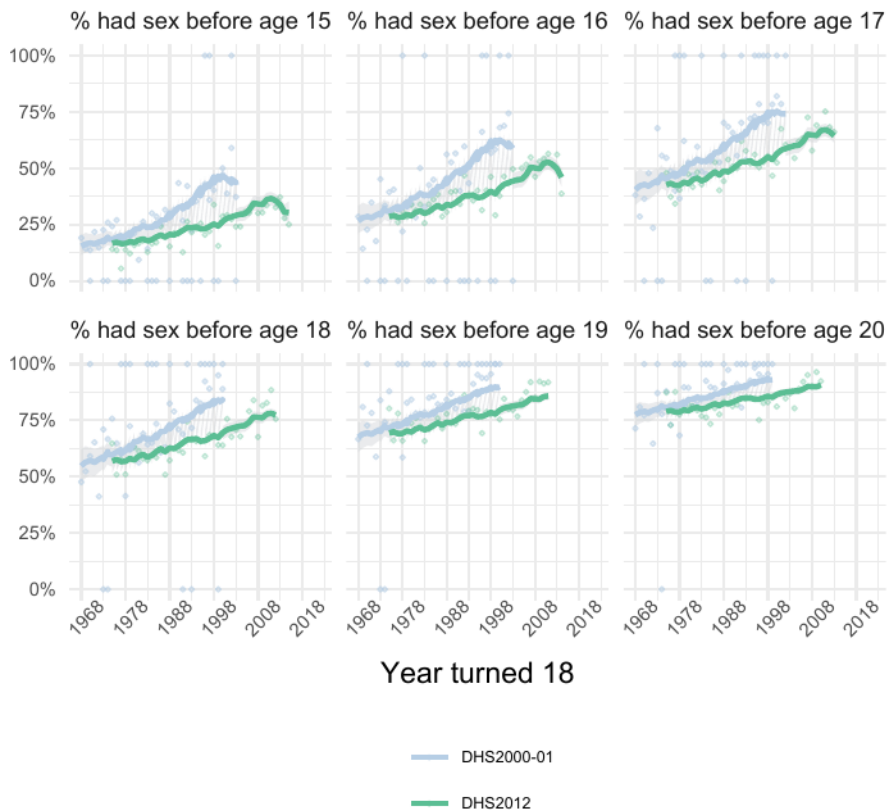
	Parameter	Estimate
1	intercept	0.10 [0.09 – 0.12]
2	skew	1.21 [1.11 – 1.33]
3	shape	9.57 [9.22 – 9.90]

Ghana - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
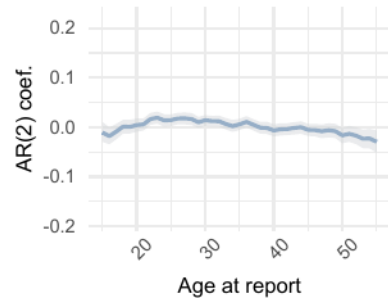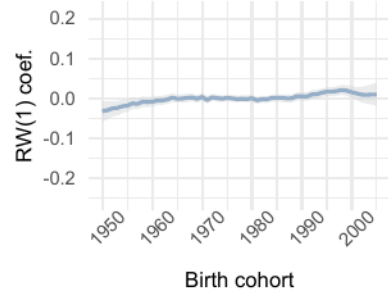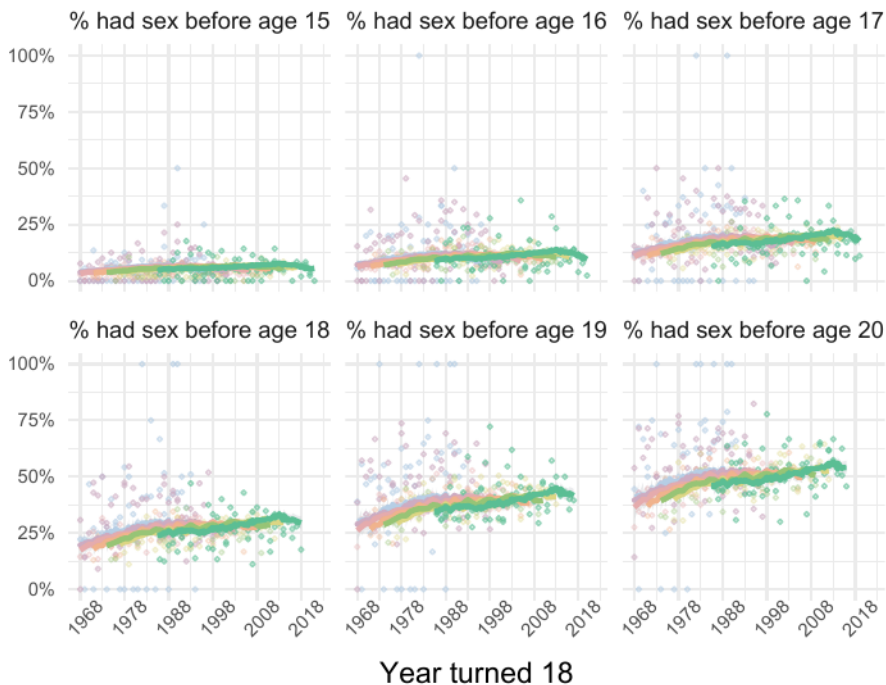
	Parameter	Estimate
1	intercept	-0.06 [-0.07 – -0.05]
2	skew	1.28 [1.21 – 1.35]
3	shape	8.37 [8.19 – 8.55]

DHS1993-94   DHS2003   DHS2014   MICS2017-18

DHS1998-99   DHS2008   MICS2011

Guinea - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS1999   DHS2012

DHS2005   DHS2018

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
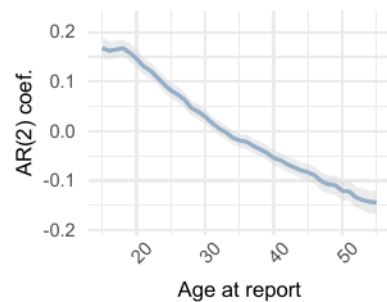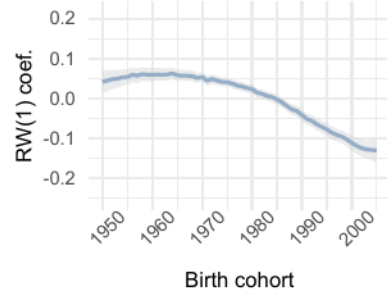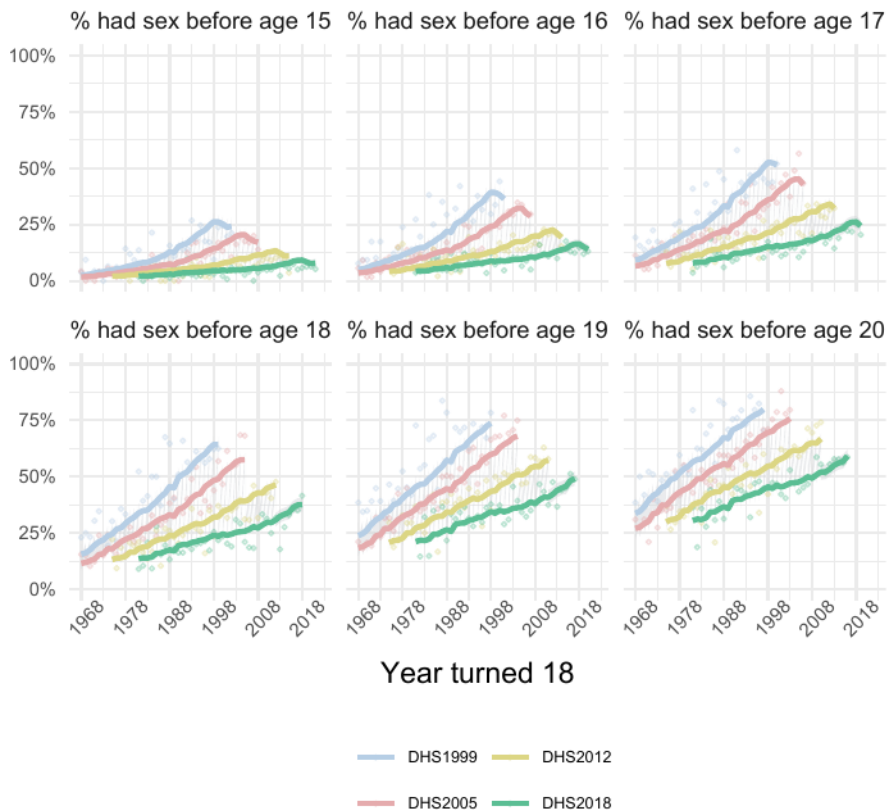
	Parameter	Estimate
1	intercept	-0.023 [-0.041 – -0.005]
2	skew	1.57 [1.44 – 1.73]
3	shape	7.78 [7.53 – 8.02]

Gambia - male

Data and model's prediction

% had sex before age 15   % had sex before age 16   % had sex before age 17

% had sex before age 18   % had sex before age 19   % had sex before age 20

Year turned 18

DHS2013   MICS2018

DHS2019-20

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
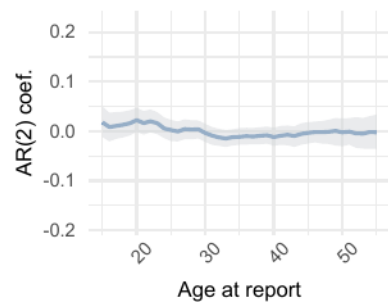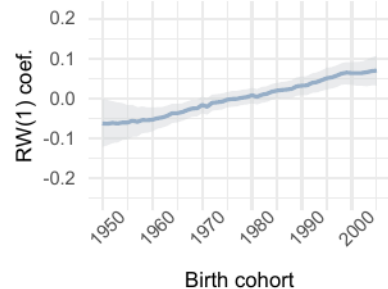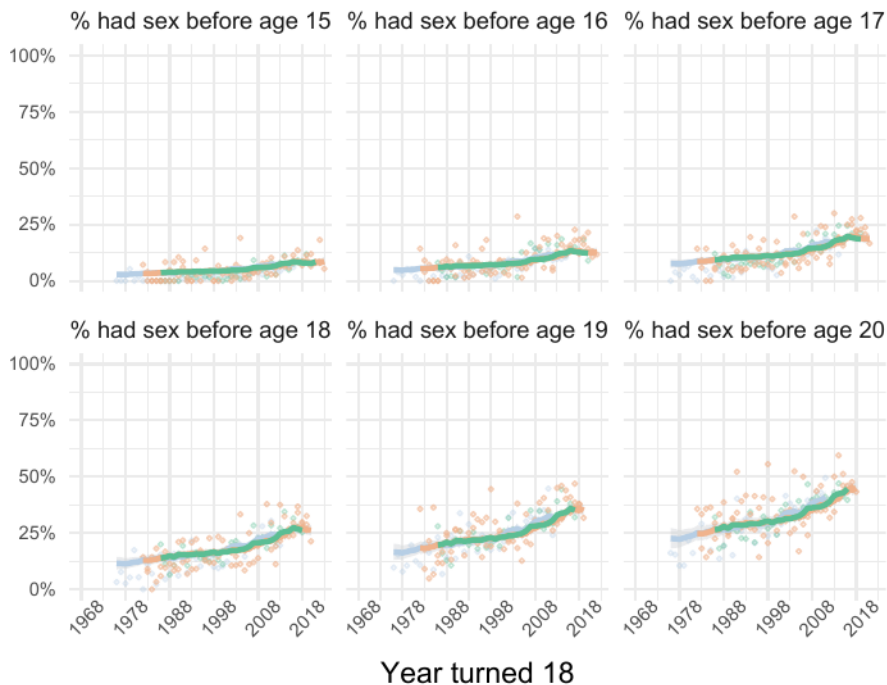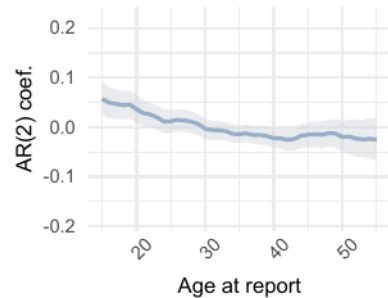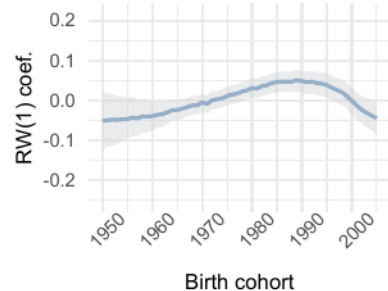
	Parameter	Estimate
1	intercept	-0.14 [-0.17 – -0.12]
2	skew	1.34 [1.23 – 1.46]
3	shape	6.45 [6.23 – 6.67]

Guinea-Bissau - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

MICS2014
MICS2018-19

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

	Parameter	Estimate
1	intercept	-0.003 [-0.025 – 0.020]
2	skew	1.24 [1.12 – 1.38]
3	shape	9.80 [9.41 – 10.22]

Kenya - male
Data and model's prediction

% had sex before age 15 % had sex before age 16 % had sex before age 17

% had sex before age 18 % had sex before age 19 % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

AIS2007   DHS1993   DHS2003   DHS2014
AIS2012-13   DHS1998   DHS2008-09
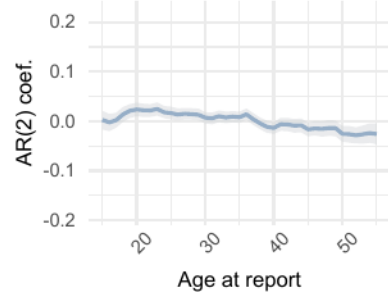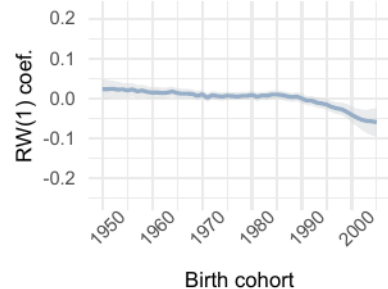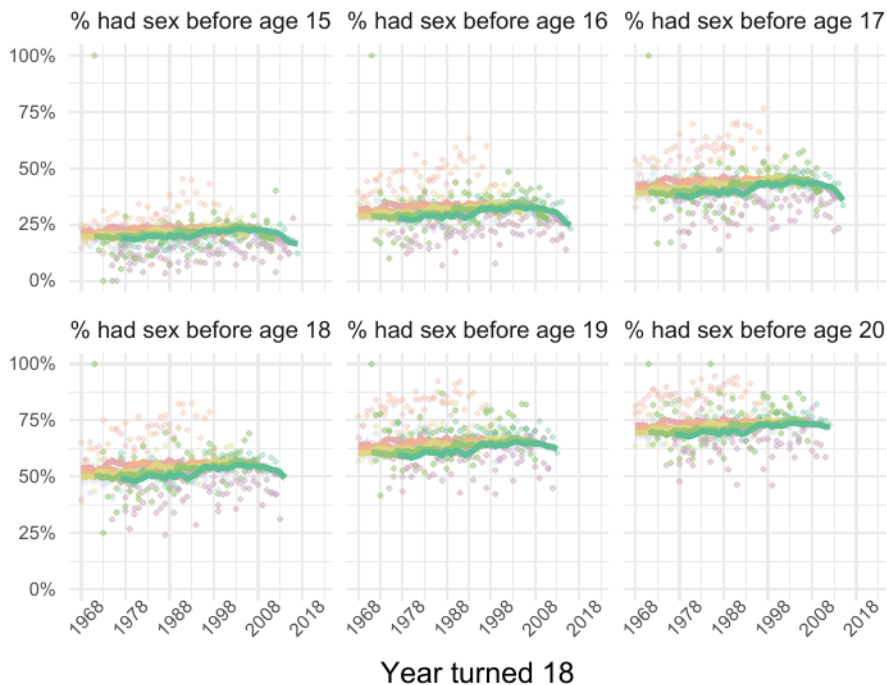
	Parameter	Estimate
1	intercept	9e-03 [-5e-04 – 2e-02]
2	skew	0.95 [0.92 – 0.99]
3	shape	7.94 [7.80 – 8.08]

Liberia - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2006-07

DHS2013

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
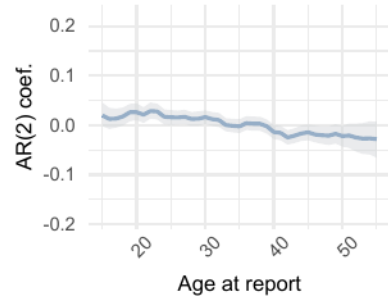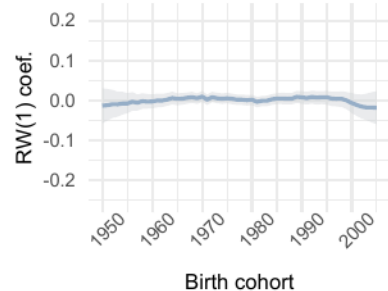
	Parameter	Estimate
1	intercept	0.04 [0.02 – 0.05]
2	skew	1.27 [1.18 – 1.39]
3	shape	11.40 [11.05 – 11.74]

Lesotho - male

Data and model's prediction
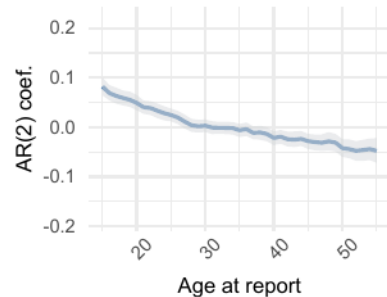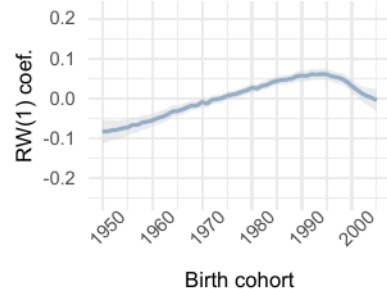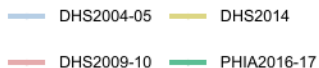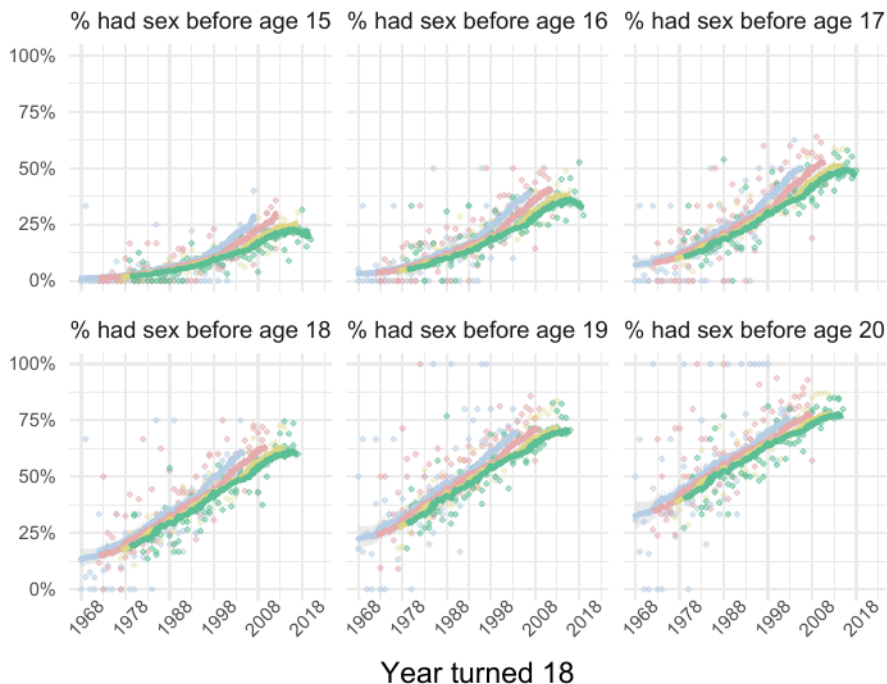
Parameter	Estimate
1	intercept	0.16 [0.14 – 0.18]
2	skew	3.11 [2.81 – 3.43]
3	shape	6.96 [6.80 – 7.11]

Madagascar - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2003-04   MICS2018

DHS2008-09

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
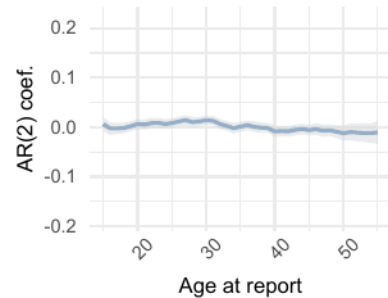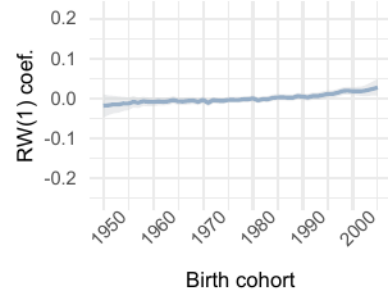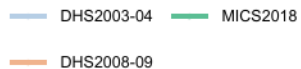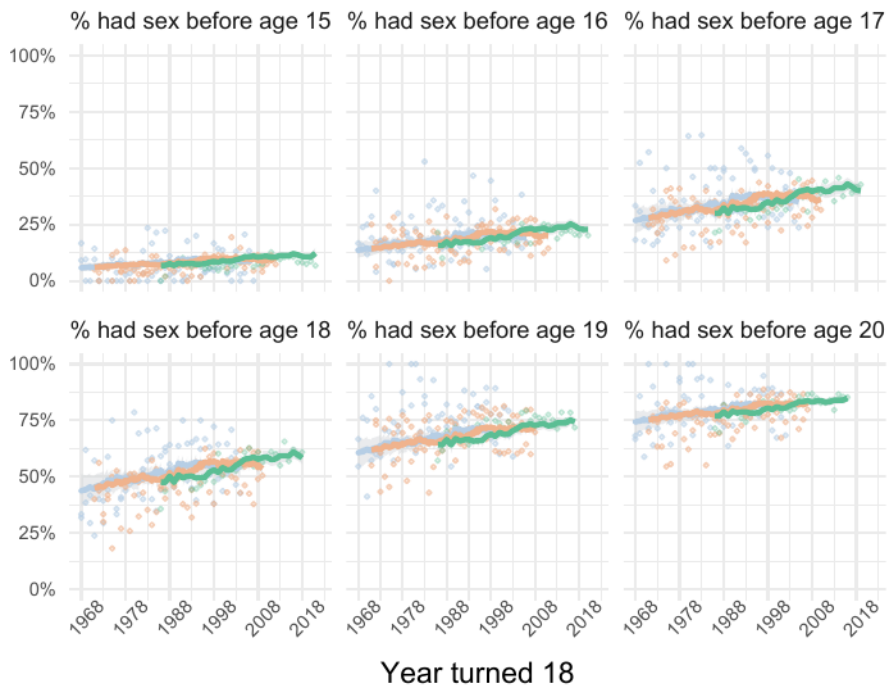
	Parameter	Estimate
1	intercept	0.06 [0.05 – 0.07]
2	skew	1.38 [1.29 – 1.45]
3	shape	11.68 [11.40 – 11.96]

Mali - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

Birth cohort

Age at report

RW(1) coef.

AR(2) coef.
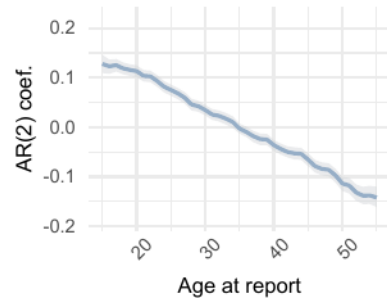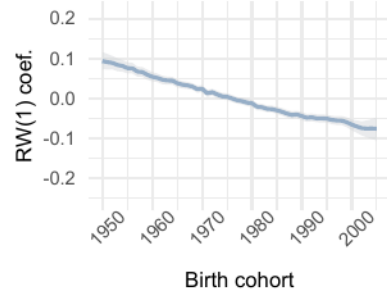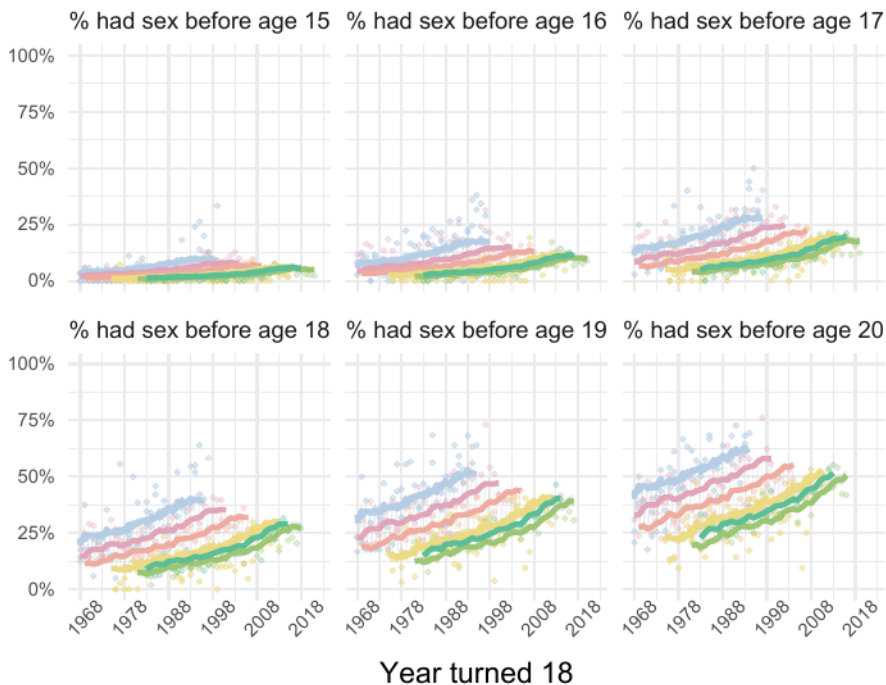
	Parameter	Estimate
1	intercept	-0.06 [-0.07 – -0.04]
2	skew	1.70 [1.60 – 1.82]
3	shape	7.74 [7.58 – 7.91]

Legend: DHS1995-96, DHS2001, DHS2006, DHS2012-13, DHS2018, MICS2015

Mozambique - male
Data and model's prediction

% had sex before age 15 · % had sex before age 16 · % had sex before age 17

% had sex before age 18 · % had sex before age 19 · % had sex before age 20

Year turned 18

DHS1997 DHS2011
DHS2003-04 DHS2015

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
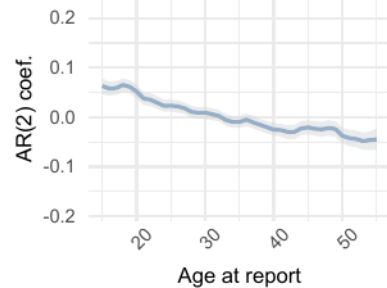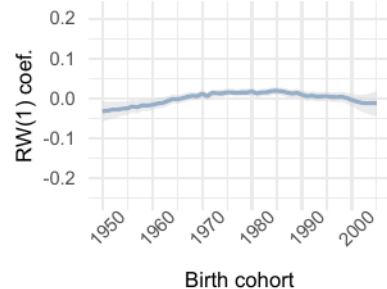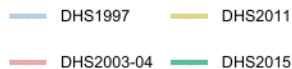
	Parameter	Estimate
1	intercept	0.07 [0.06 – 0.08]
2	skew	1.21 [1.12 – 1.30]
3	shape	11.22 [10.89 – 11.52]

Malawi - male
Data and model's prediction

% had sex before age 15   % had sex before age 16   % had sex before age 17

% had sex before age 18   % had sex before age 19   % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
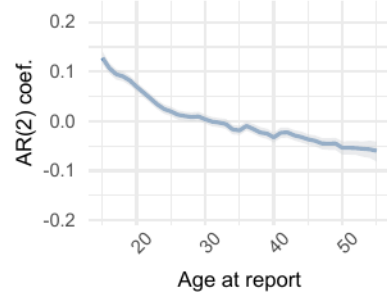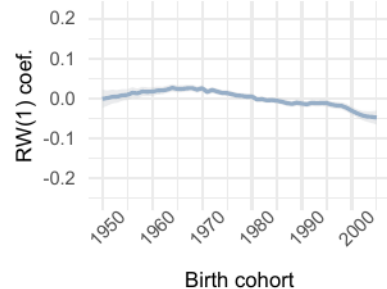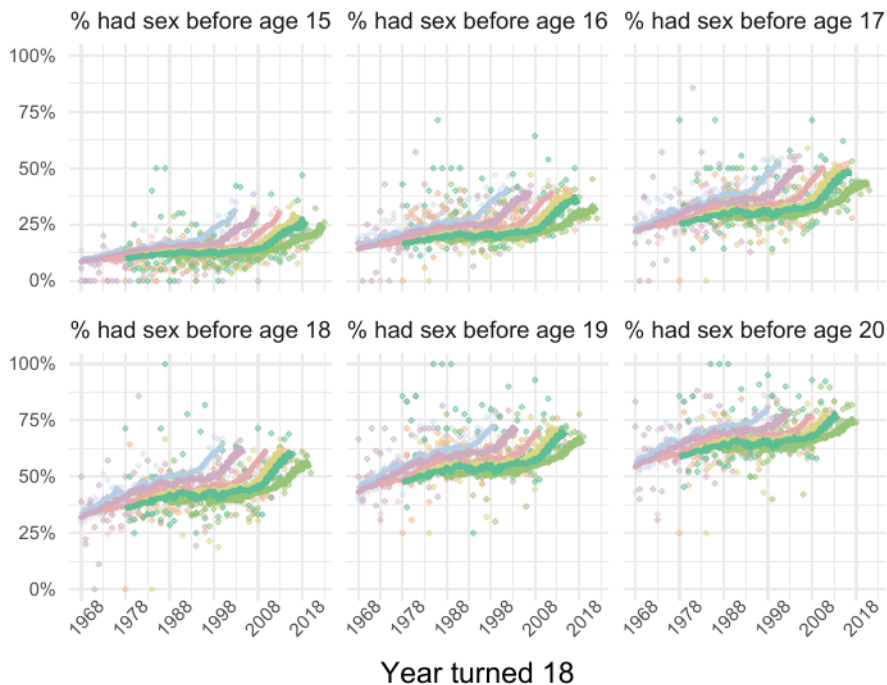
	Parameter	Estimate
1	intercept	-0.013 [-0.021 – -0.005]
2	skew	0.98 [0.95 – 1.02]
3	shape	8.96 [8.81 – 9.10]

DHS2000   DHS2010   MICS2013-14   PHIA2015-16

DHS2004-05   DHS2015-16   MICS2019-20

Namibia - male
Data and model's prediction

% had sex before age 15   % had sex before age 16   % had sex before age 17

% had sex before age 18   % had sex before age 19   % had sex before age 20

Year turned 18

DHS2000   DHS2013

DHS2006-07   PHIA2017

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
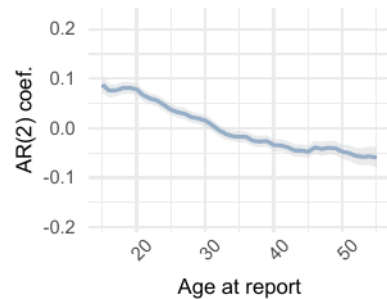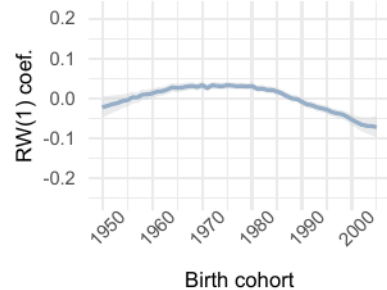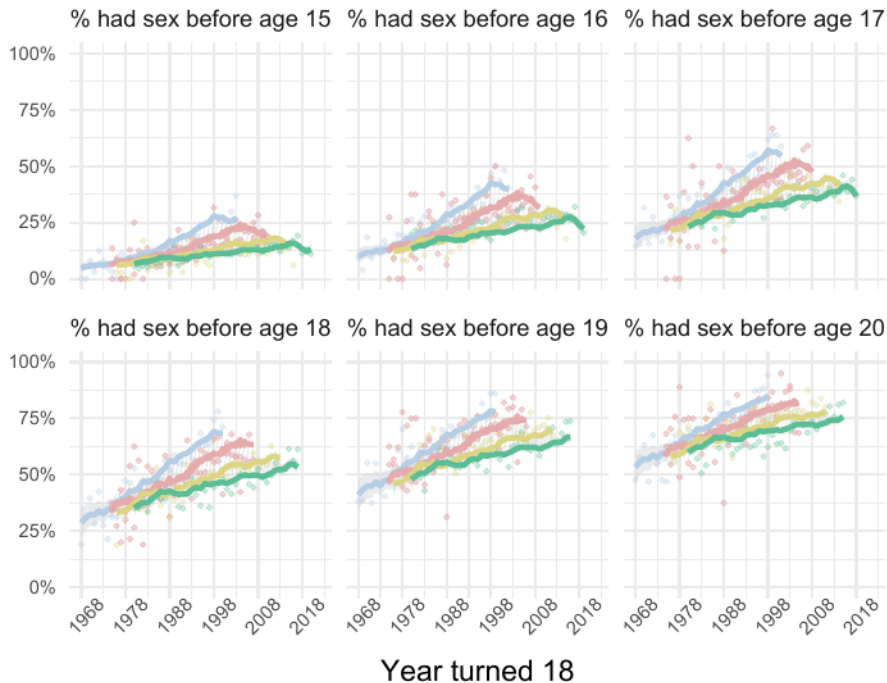
	Parameter	Estimate
1	intercept	0.07 [0.06 – 0.09]
2	skew	1.68 [1.58 – 1.79]
3	shape	8.39 [8.20 – 8.57]

Niger - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
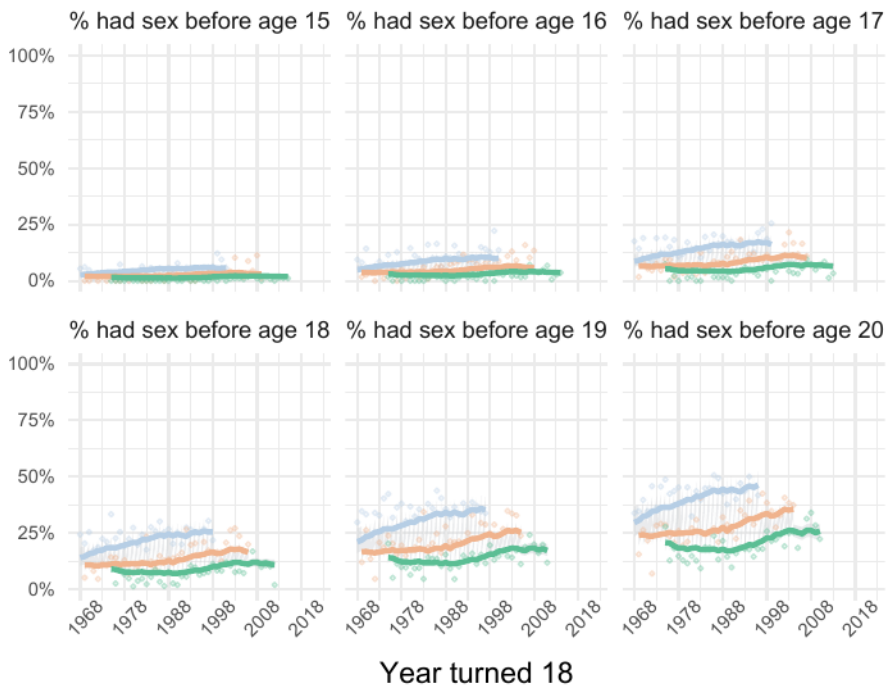
DHS1998   DHS2012

DHS2006
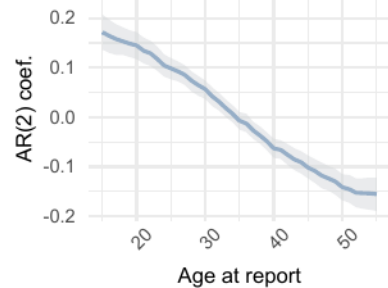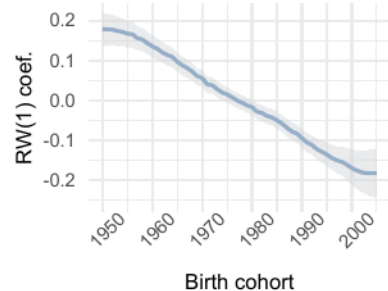
	Parameter	Estimate
1	intercept	-0.18 [-0.21 – -0.16]
2	skew	1.43 [1.28 – 1.61]
3	shape	7.49 [7.18 – 7.82]

Nigeria - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
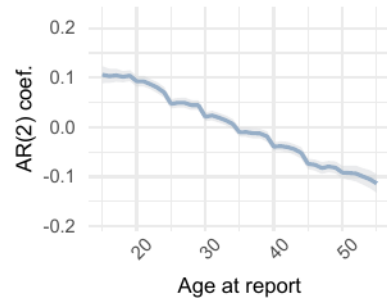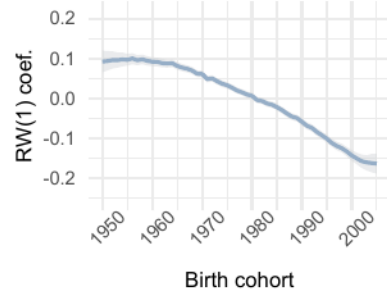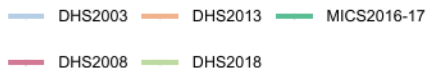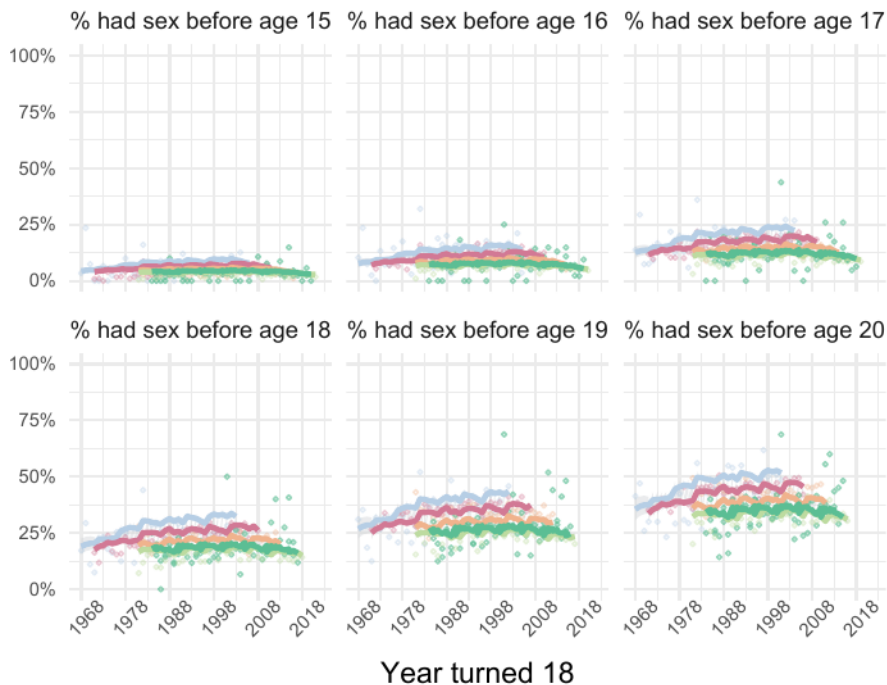
	Parameter	Estimate
1	intercept	-0.07 [-0.08 – -0.06]
2	skew	1.57 [1.52 – 1.63]
3	shape	6.66 [6.56 – 6.74]

DHS2003   DHS2013   MICS2016-17

DHS2008   DHS2018

Rwanda - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
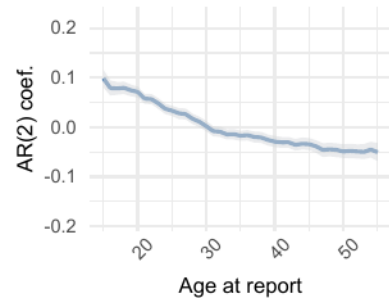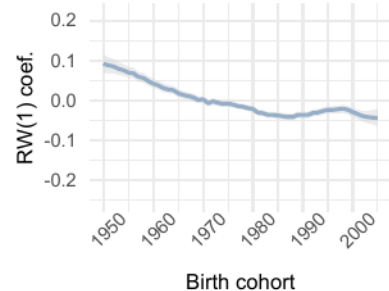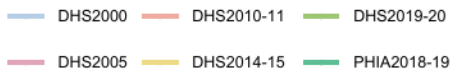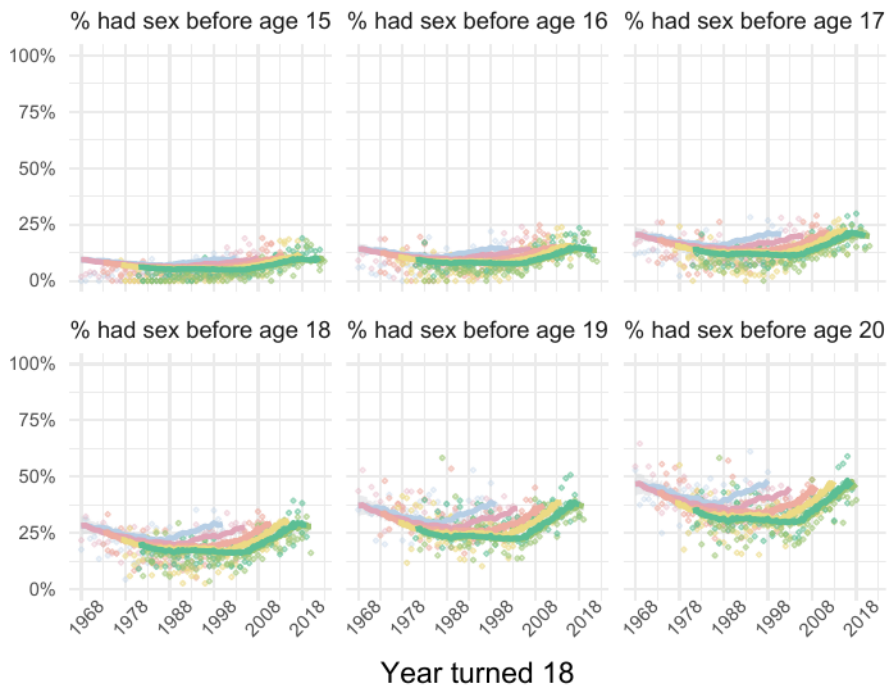
	Parameter	Estimate
1	intercept	-0.18 [-0.19 – -0.17]
2	skew	0.85 [0.82 – 0.89]
3	shape	8.17 [8.01 – 8.34]

Legend: DHS2000, DHS2005, DHS2010-11, DHS2014-15, DHS2019-20, PHIA2018-19

Sudan - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17
% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

MICS2010
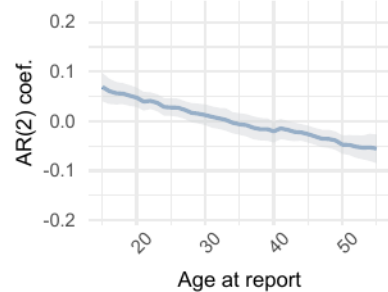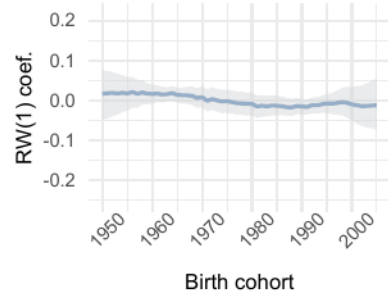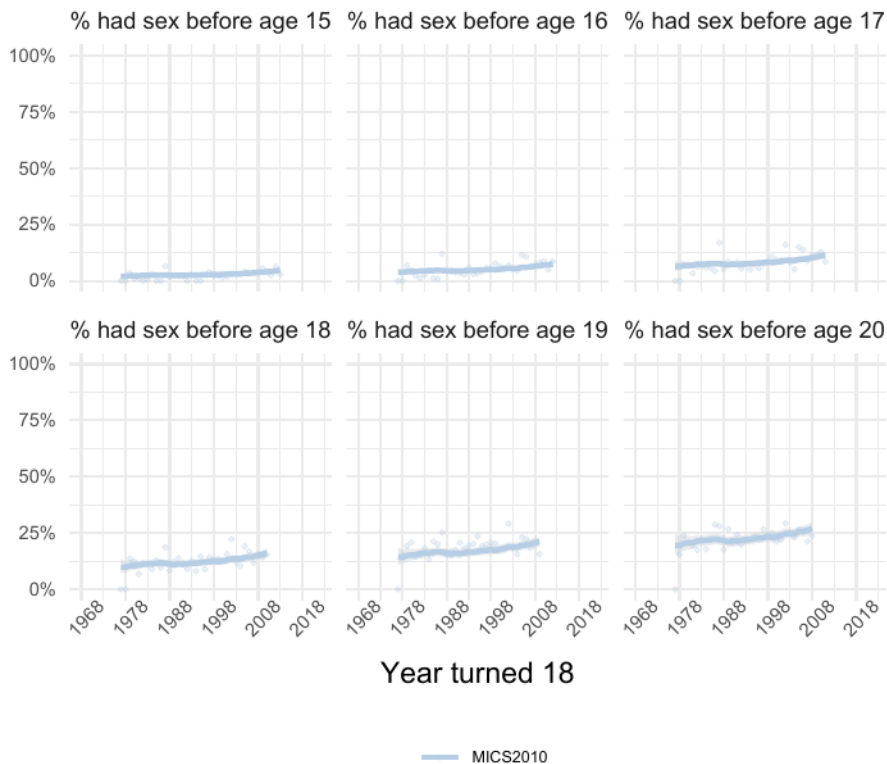
	Parameter	Estimate
1	intercept	0.03 [-0.04 – 0.10]
2	skew	3.17 [2.56 – 3.93]
3	shape	4.42 [4.22 – 4.66]

Senegal - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
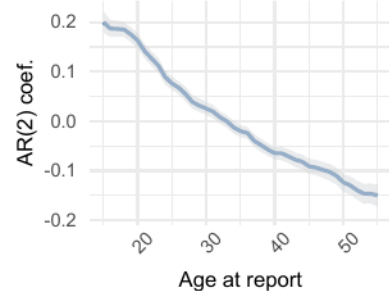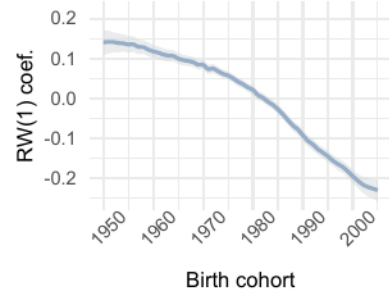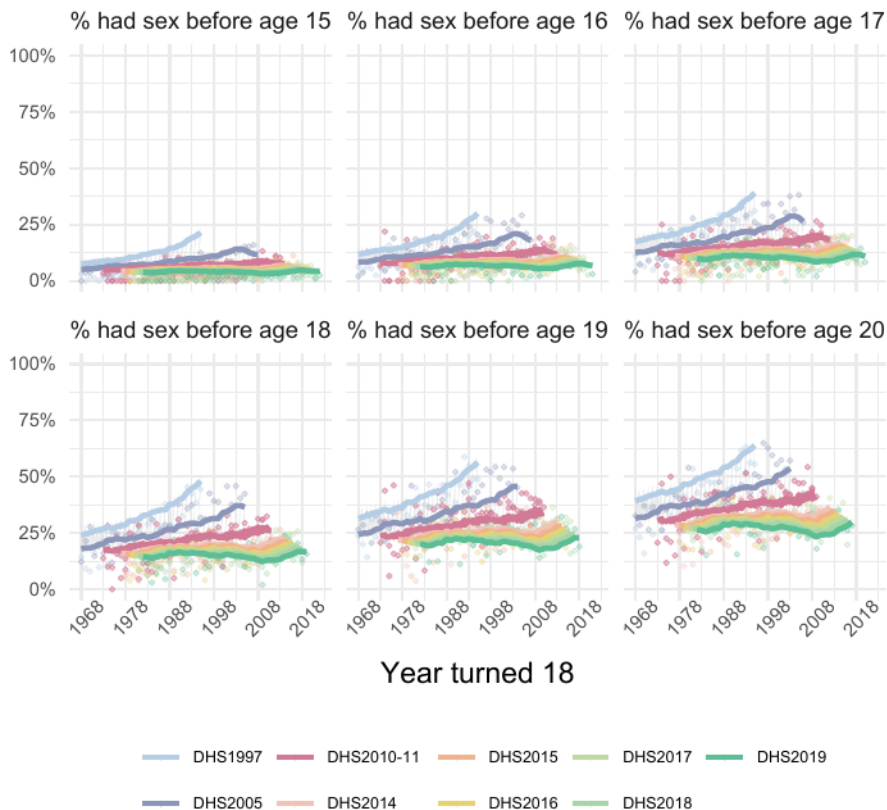
	Parameter	Estimate
1	intercept	-0.08 [-0.09 – -0.06]
2	skew	1.70 [1.61 – 1.81]
3	shape	5.52 [5.41 – 5.62]

DHS1997 DHS2010-11 DHS2015 DHS2017 DHS2019
DHS2005 DHS2014 DHS2016 DHS2018

Sierra Leone - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

DHS2008　DHS2019

DHS2013　MICS2017
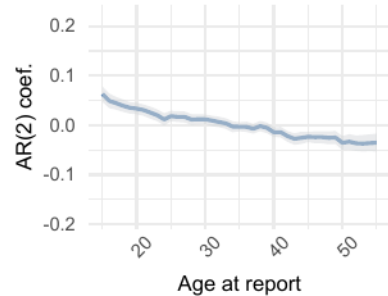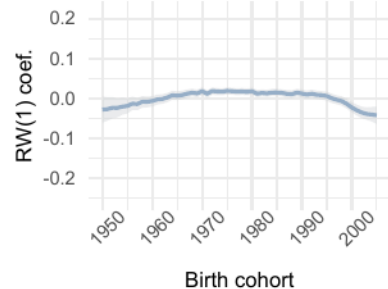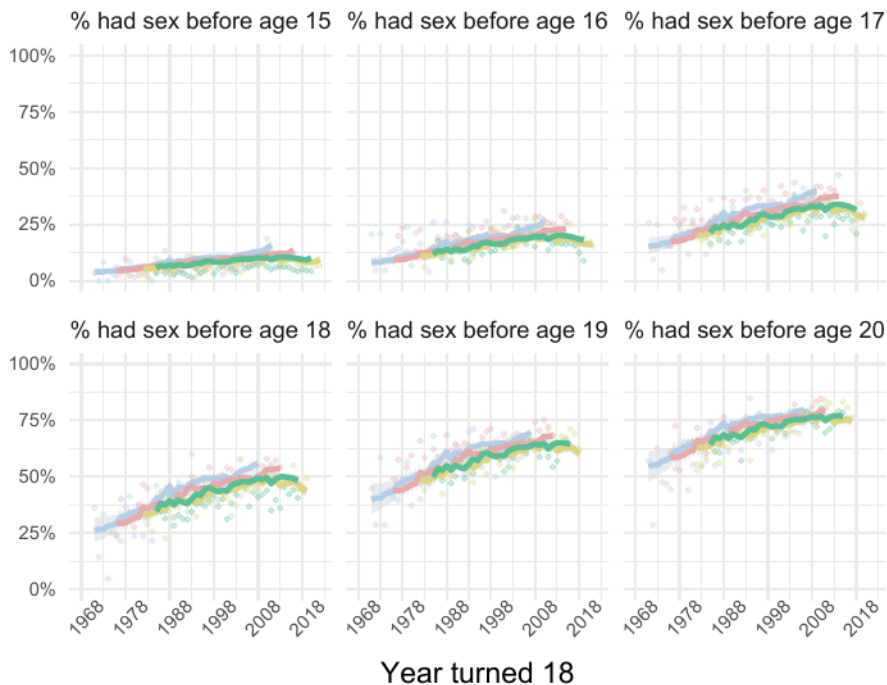
	Parameter	Estimate
1	intercept	-0.011 [-0.020 – -0.001]
2	skew	1.05 [1.01 – 1.11]
3	shape	11.39 [11.15 – 11.62]

São Tomé & Príncipe - male

Data and model's prediction

% had sex before age 15 % had sex before age 16 % had sex before age 17

% had sex before age 18 % had sex before age 19 % had sex before age 20

Year turned 18

DHS2008-09   MICS2019

MICS2014
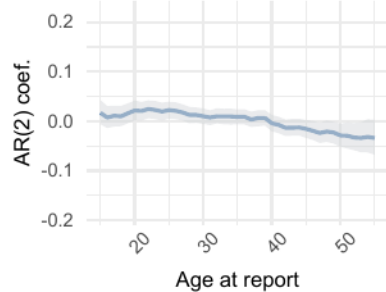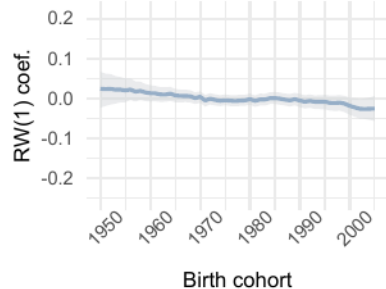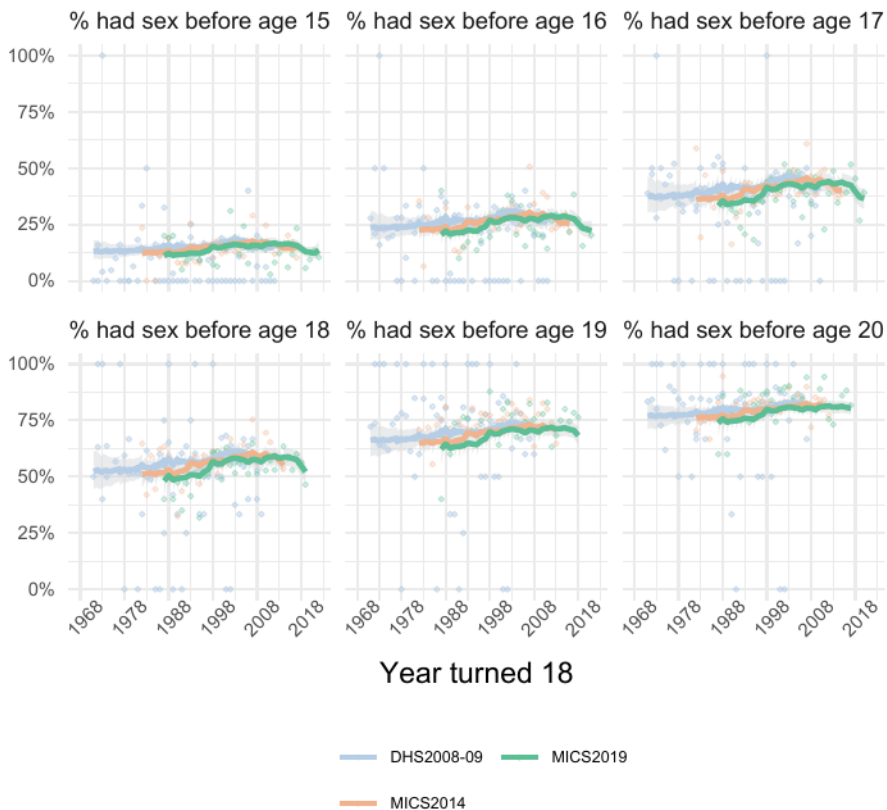
	Parameter	Estimate
1	intercept	0.05 [0.04 – 0.07]
2	skew	1.13 [1.04 – 1.23]
3	shape	10.32 [9.92 – 10.72]

Eswatini - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2006-07   MICS2014

MICS2010   PHIA2016-17

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
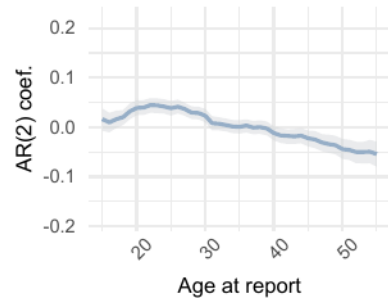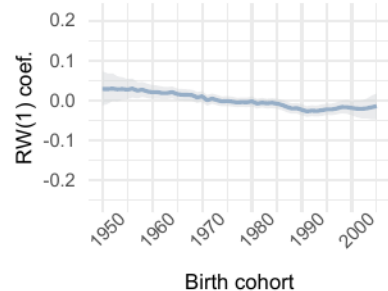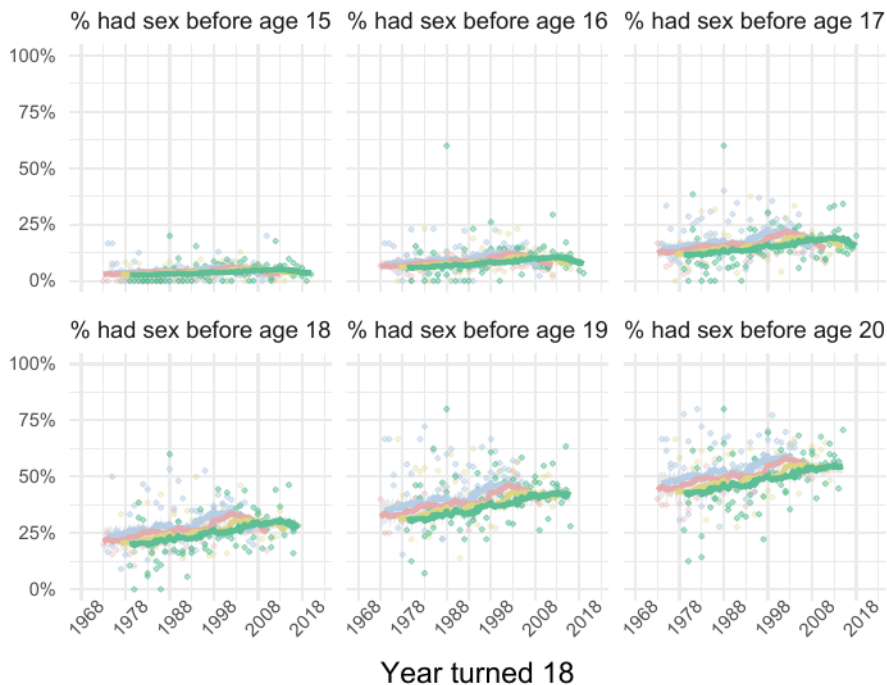
	Parameter	Estimate
1	intercept	0.012 [-0.005 – 0.028]
2	skew	1.90 [1.75 – 2.06]
3	shape	8.08 [7.86 – 8.30]

Chad - male

Data and model's prediction

% had sex before age 15   % had sex before age 16   % had sex before age 17

% had sex before age 18   % had sex before age 19   % had sex before age 20

Year turned 18

DHS1996-97   DHS2014-15

DHS2004   MICS2019

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
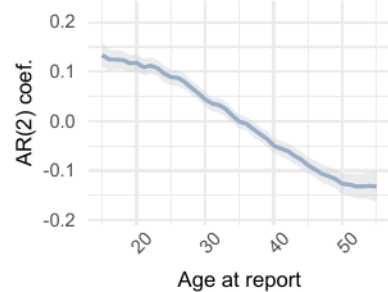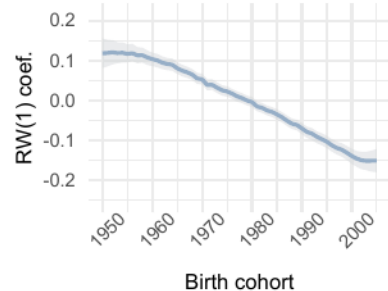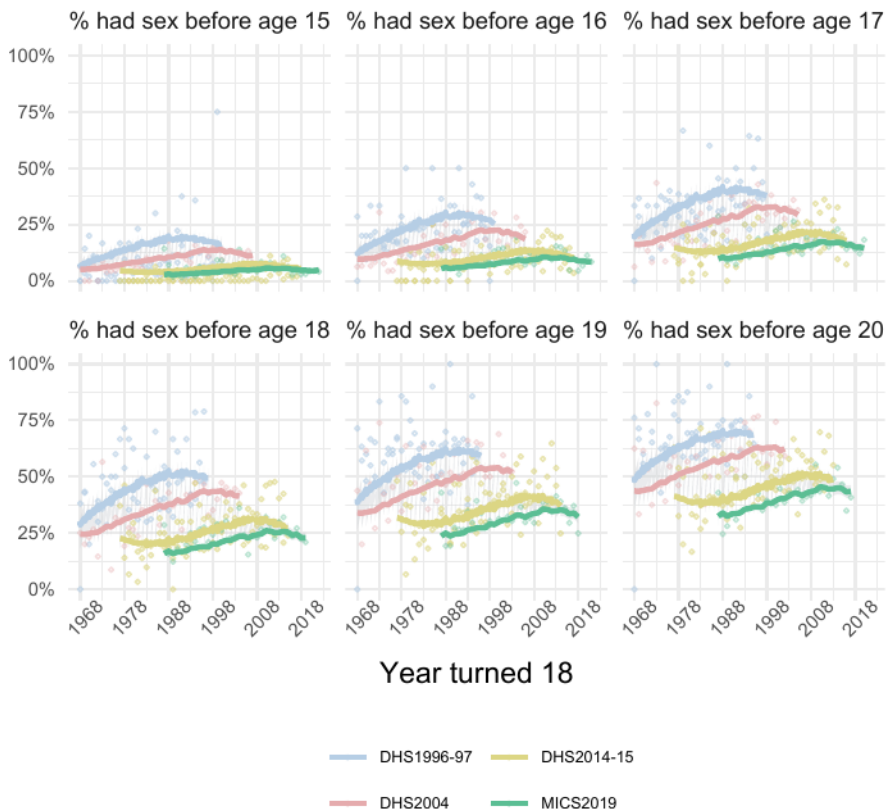
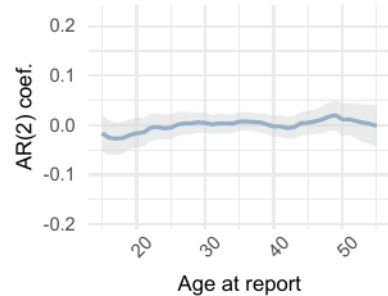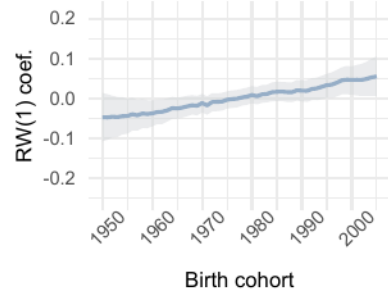|	Parameter	Estimate
1	intercept	0.04 [0.01 – 0.06]
2	skew	2.13 [1.93 – 2.34]
3	shape	6.42 [6.24 – 6.60]

Togo - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2013-14

MICS2017

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report

	Parameter	Estimate
1	intercept	-0.06 [-0.08 – -0.04]
2	skew	1.05 [0.96 – 1.14]
3	shape	9.30 [8.92 – 9.67]

Tanzania - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
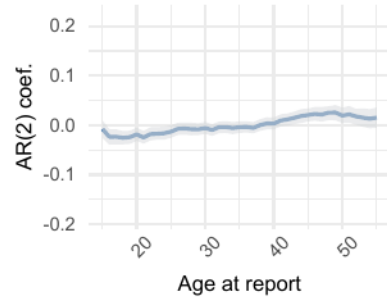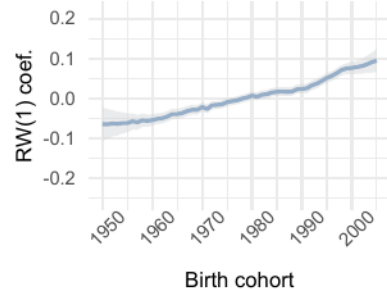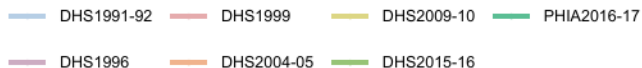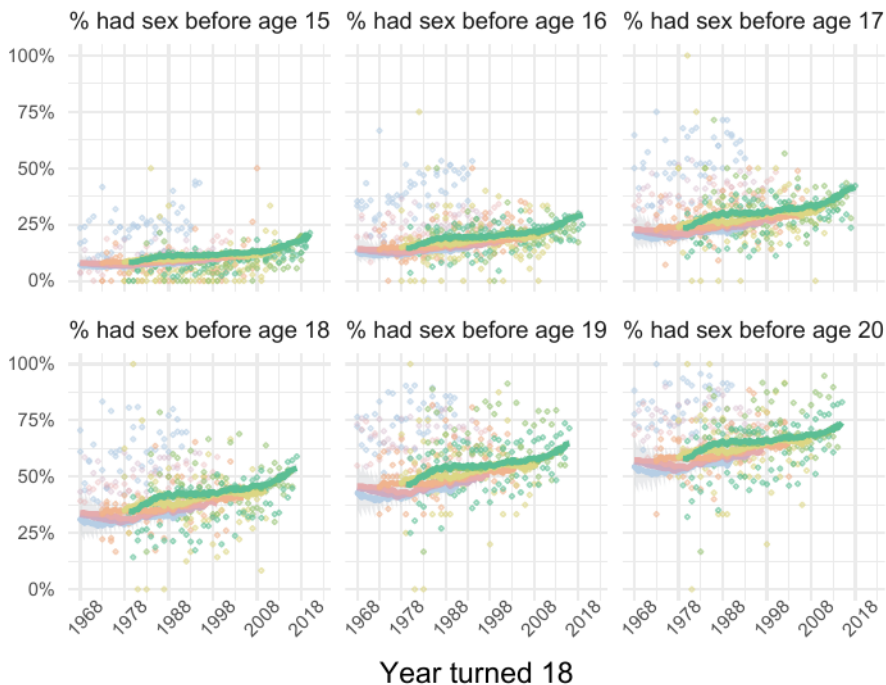
	Parameter	Estimate
1	intercept	0.017 [0.007 − 0.029]
2	skew	1.27 [1.20 − 1.33]
3	shape	8.50 [8.34 − 8.68]

DHS1991-92　　DHS1999　　DHS2009-10　　PHIA2016-17

DHS1996　　DHS2004-05　　DHS2015-16

Uganda - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
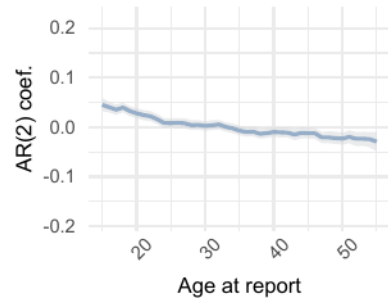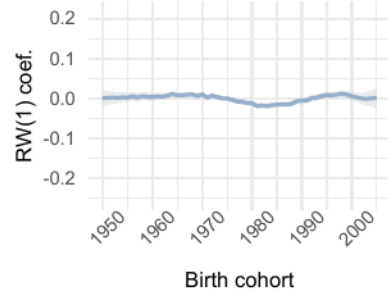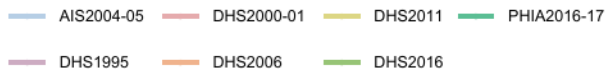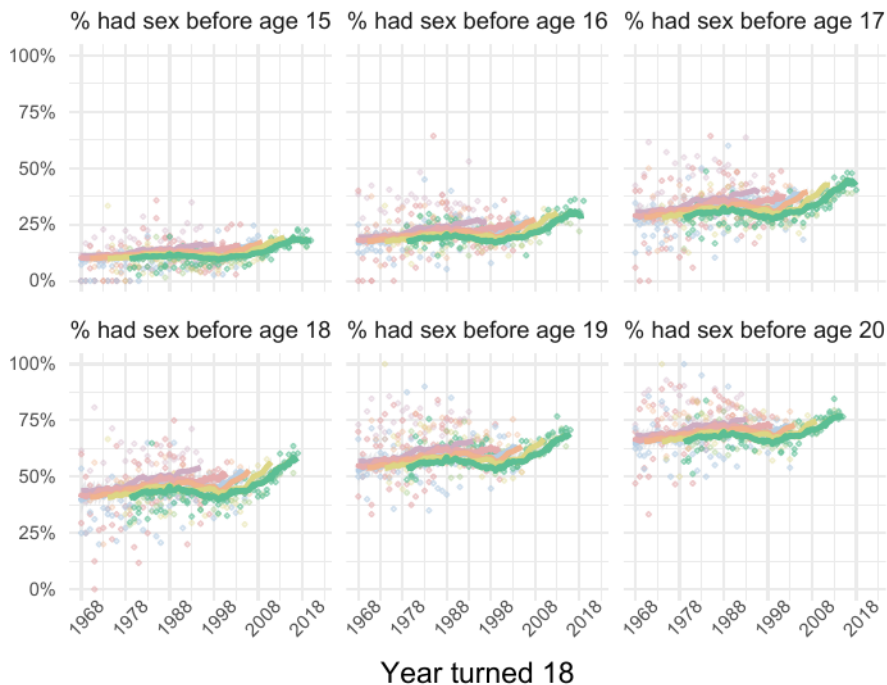
	Parameter	Estimate
1	intercept	0.02 [0.01 – 0.03]
2	skew	1.17 [1.12 – 1.22]
3	shape	9.27 [9.12 – 9.43]

AIS2004-05   DHS2000-01   DHS2011   PHIA2016-17

DHS1995   DHS2006   DHS2016

South Africa - male
Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

DHS2016   HSRC2005   HSRC2016-18

HSRC2002   HSRC2008

Birth cohort

Age at report
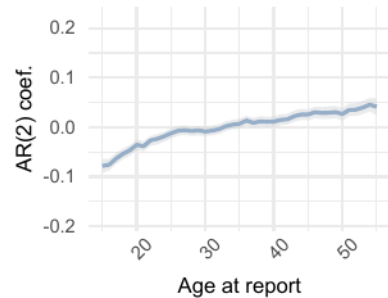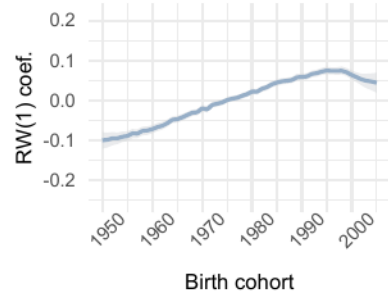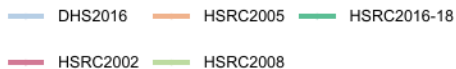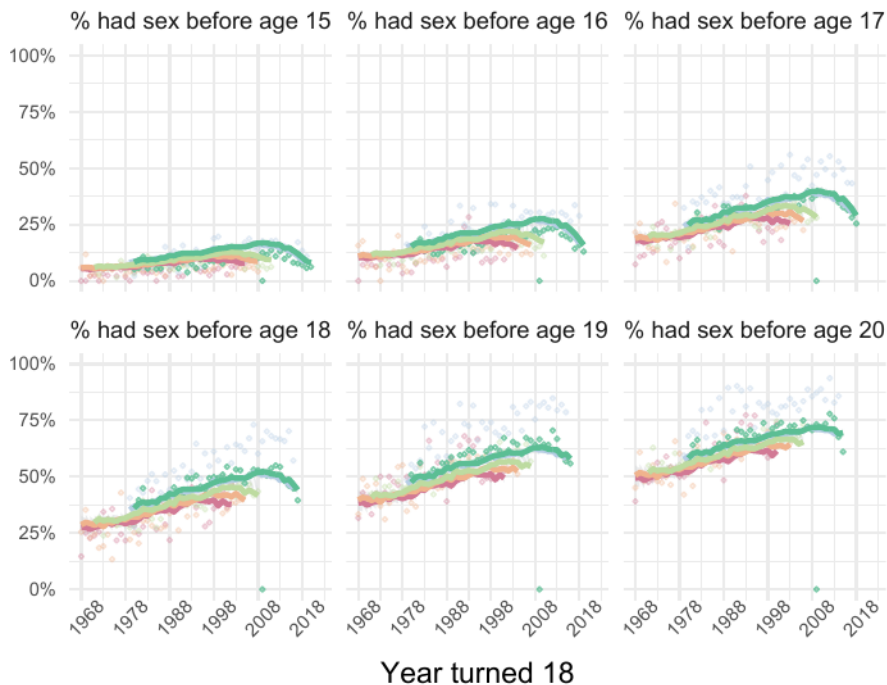
	Parameter	Estimate
1	intercept	0.08 [0.07 – 0.09]
2	skew	1.85 [1.78 – 1.92]
3	shape	7.37 [7.27 – 7.47]

Zambia - male

Data and model's prediction

% had sex before age 15 | % had sex before age 16 | % had sex before age 17

% had sex before age 18 | % had sex before age 19 | % had sex before age 20

Year turned 18

RW(1) coef. — Birth cohort

AR(2) coef. — Age at report
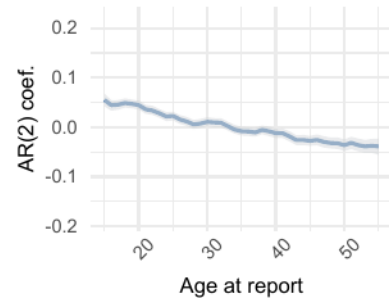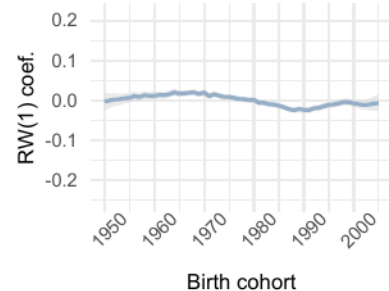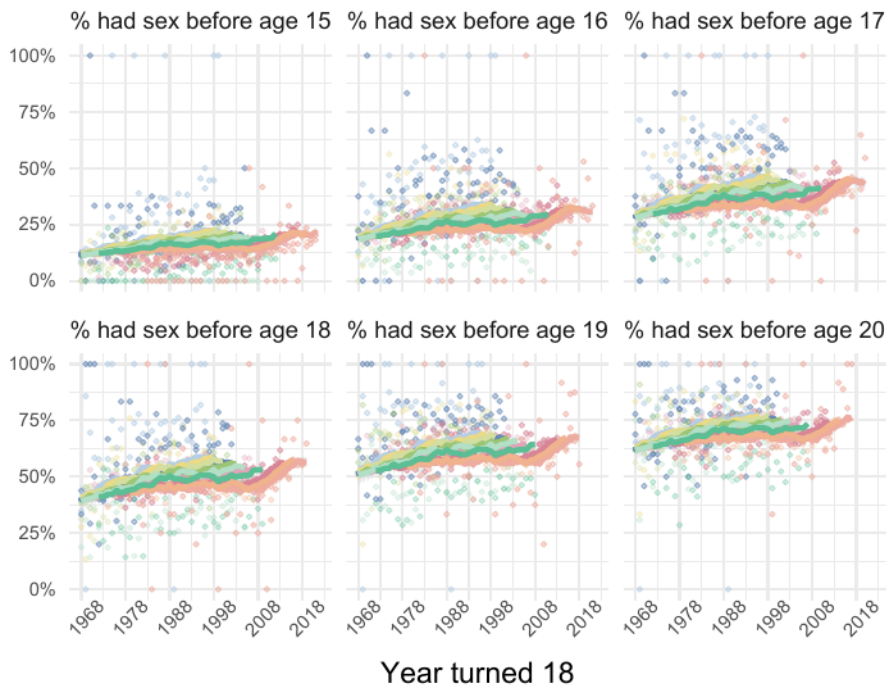
	Parameter	Estimate
1	intercept	0.02 [0.01 – 0.03]
2	skew	1.09 [1.05 – 1.12]
3	shape	8.46 [8.33 – 8.58]

Legend:
DHS1996-97 | DHS2007 | DHS2018-19 | SBS1998 | SBS2003 | SBS2009
DHS2001-02 | DHS2013-14 | PHIA2016 | SBS2000 | SBS2005

Zimbabwe - male

Data and model's prediction

% had sex before age 15   % had sex before age 16   % had sex before age 17

% had sex before age 18   % had sex before age 19   % had sex before age 20

Year turned 18

RW(1) coef.

Birth cohort

AR(2) coef.

Age at report
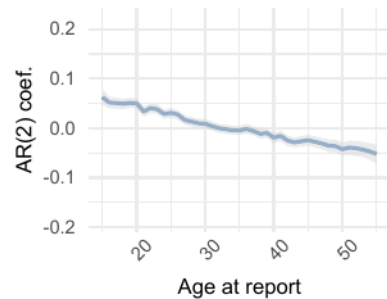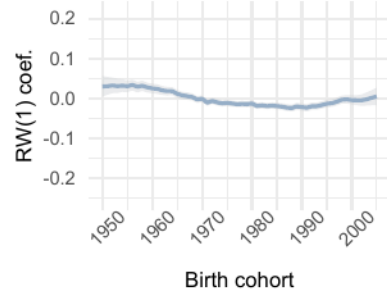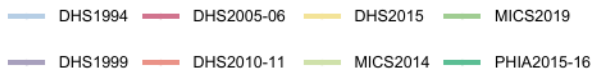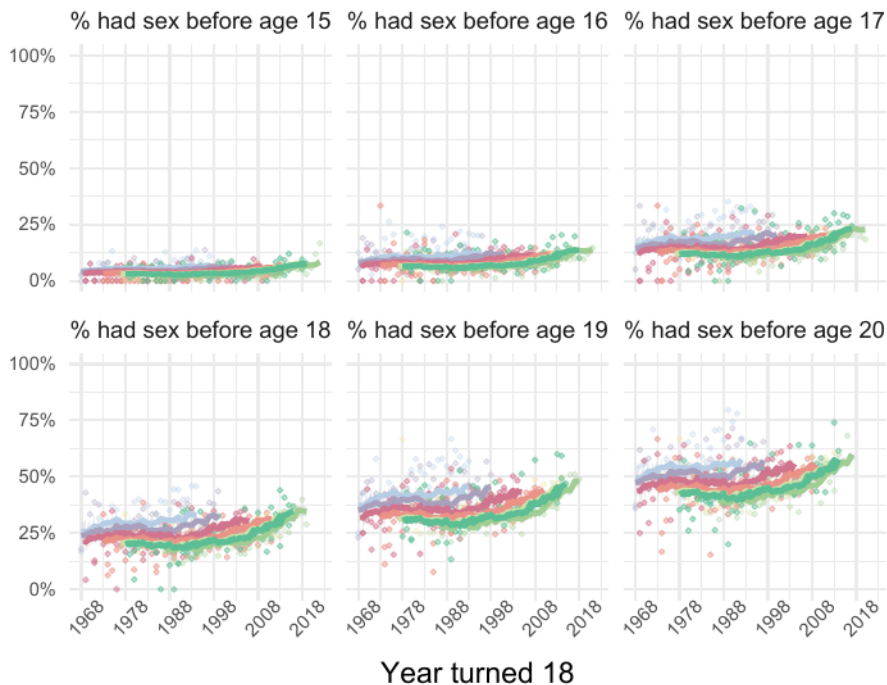
	Parameter	Estimate
1	intercept	-0.03 [-0.04 – -0.03]
2	skew	1.51 [1.45 – 1.57]
3	shape	8.61 [8.48 – 8.74]

DHS1994   DHS2005-06   DHS2015   MICS2019

DHS1999   DHS2010-11   MICS2014   PHIA2015-16