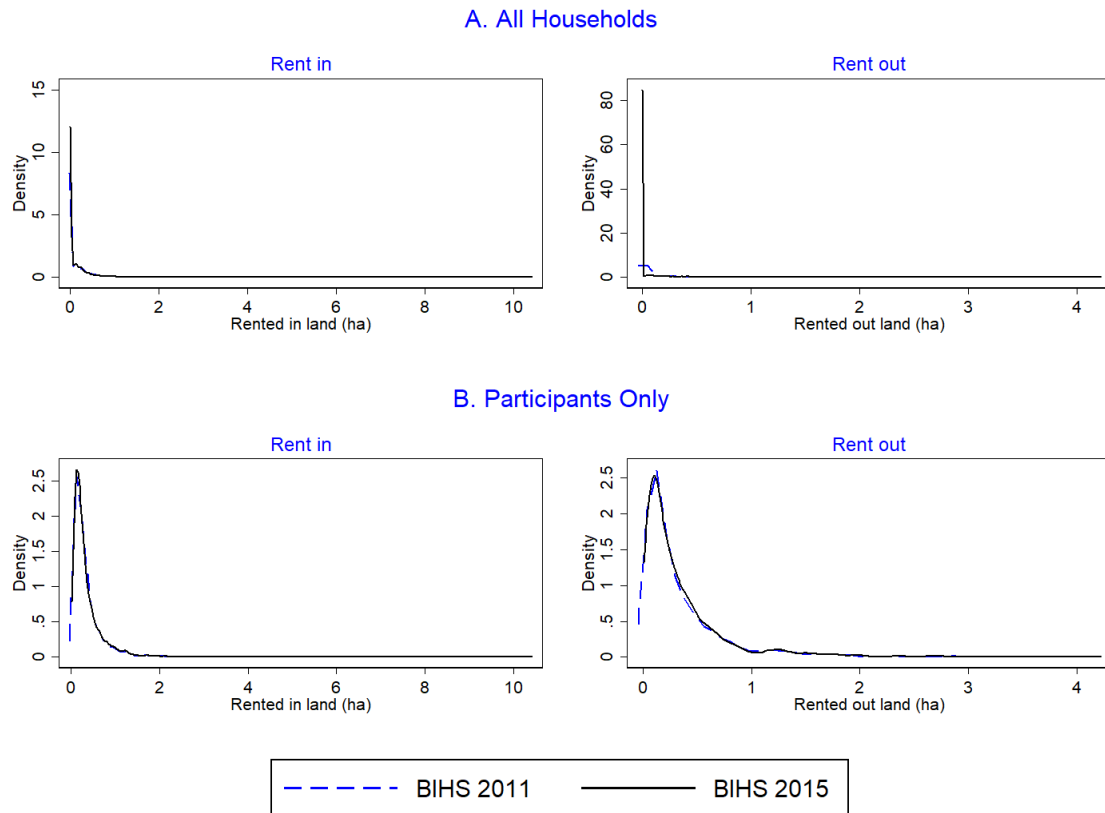
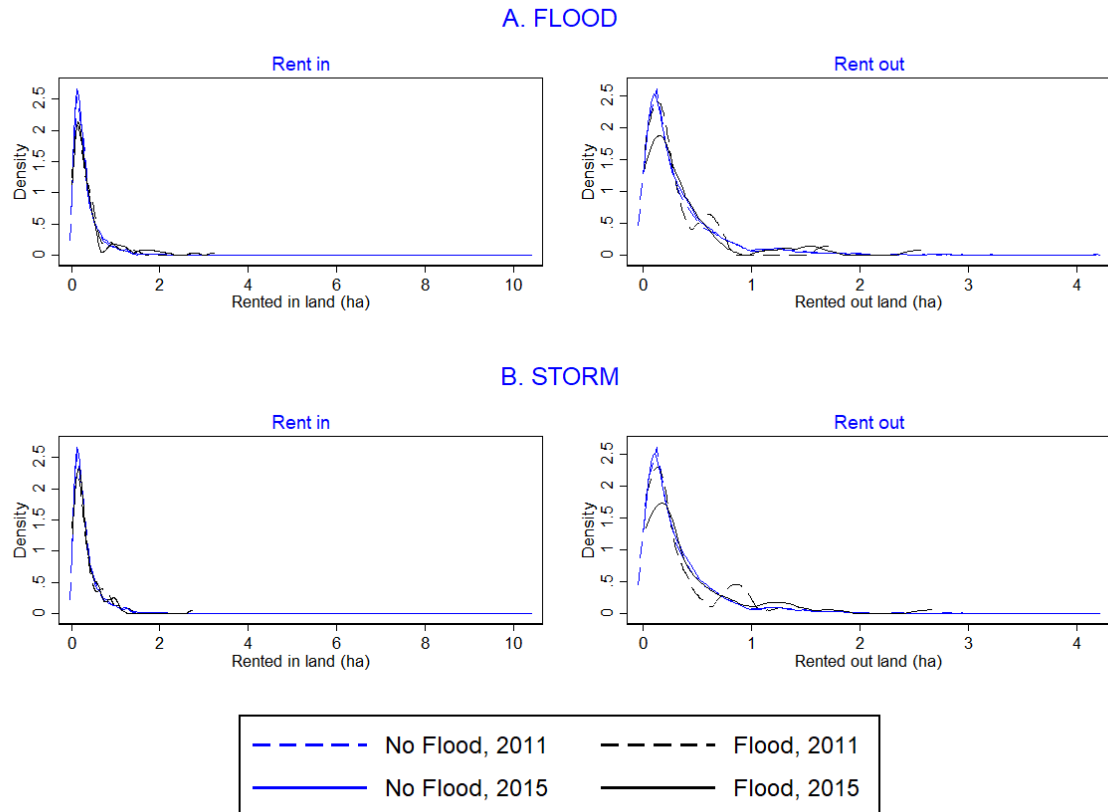


## Appendix

**Figure A1**  
Distributions of land rental transaction



**Figure A2**  
Land rental transactions by year and disaster



**Table A1**  
Prevalence of Migration

Variable	BIHS 2011	BIHS 2015
Total members in surveyed households	27,285	34,297
Total members aged 14 years or more in surveyed households	18,004	24,778
Total members aged between 14 and 65 years in surveyed households	16,946	19,036
Total number of household members that are living away for last 6 months or more (i.e., migration)	1,663	634
Total domestic migrations	1,131	487
Total migrations for employment	1,200	634
Total domestic migrations for employment	687	274

*Notes.* All data comes from two rounds of BIHS, BIHS 2011 and BIHS 2015.

**Table A2**  
Unconditional Differences in Outcome Variables

Variables	Flood			Storm		
	0	1	DD	0	1	DD
Rent in land – participation	-0.036*** (0.010)	0.012 (0.053)	0.048 (0.038)	-0.036*** (0.010)	0.024 (0.055)	0.060 (0.037)
Rent out land – participation	0.034*** (0.009)	0.081* (0.046)	0.047 (0.031)	0.034*** (0.009)	0.060 (0.047)	0.026 (0.031)
Rent in land – transaction	-0.009 (0.006)	0.061 (0.049)	0.070*** (0.022)	-0.009 (0.006)	0.016 (0.031)	0.025 (0.021)
Rent out land – transaction	0.011** (0.005)	0.045 (0.027)	0.033** (0.014)	0.011** (0.005)	0.050* (0.029)	0.039*** (0.014)

*Notes.* Standard errors are shown in parentheses. \*\*\*,\*\* and \* represent statistical significance at 1, 5 and 10 percent levels, respectively. All data comes from the Bangladesh Integrated Household Survey (BIHS) dataset rounds 1 and 2. All monetary values are expressed in '000 US\$PPP at the rates 26.61 and 21.87 Bangladeshi Taka for BIHS rounds 1 and 2, respectively.

**Table A3**  
 Base Year Variations in Outcome Variables

Variables	Participation		Transaction	
	Rent in	Rent out	Rent in	Rent out
Flood	0.195*** (0.042)	-0.031 (0.028)	0.225 (0.159)	-0.000 (0.233)
Storm	0.049 (0.035)	-0.023 (0.031)	0.064 (0.136)	-0.059 (0.204)
No. of Obs.	5,128	5,128	5,128	5,128
R <sup>2</sup> / Pseudo-R <sup>2</sup>	0.109	0.210	0.0610	0.260
Control variables	YES	YES	YES	YES

*Notes.* Robust standard errors are shown in parentheses. \*\*\*, \*\* and \* represent statistical significance at 1, 5 and 10 percent levels, respectively. All data comes from the Bangladesh Integrated Household Survey (BIHS) dataset round 1.

**Table A4**  
**Balancing Properties**

Variables	Age	Family size	Landholding	Education	Extension	Subsidy	Transportation	Finance	Tractor	Idiosyncratic shocks	Rainfall deviation
Flood	0.710	0.412**	0.064*	-0.543*	-0.002	0.152***	-0.217***	-	0.152***	-0.009	2.706
	(1.124)	(0.170)	(0.036)	(0.306)	(0.021)	(0.046)	(0.071)	0.094**	(0.042)	(0.041)	(5.645)
Storm	-1.348	-0.035	0.071**	0.147	0.080***	0.108**	0.017	-0.033	0.048*	0.017	-2.445
	(1.077)	(0.100)	(0.035)	(0.301)	(0.024)	(0.046)	(0.050)	(0.040)	(0.027)	(0.041)	(3.946)
No. of Obs.	5,128	5,128	5,128	5,128	5,128	5,128	5,128	5,128	5,128	5,128	5,128
R <sup>2</sup>	0.000	0.002	0.002	0.001	0.003	0.011	0.006	0.002	0.008	0.000	0.001

*Notes.* Robust standard errors are shown in parentheses. \*\*\*, \*\* and \* represent statistical significance at 1, 5 and 10 percent levels, respectively. All data comes from the Bangladesh Integrated Household Survey (BIHS) dataset round 1.