Ethiopia DHS 2016 | EDA for: ed.level
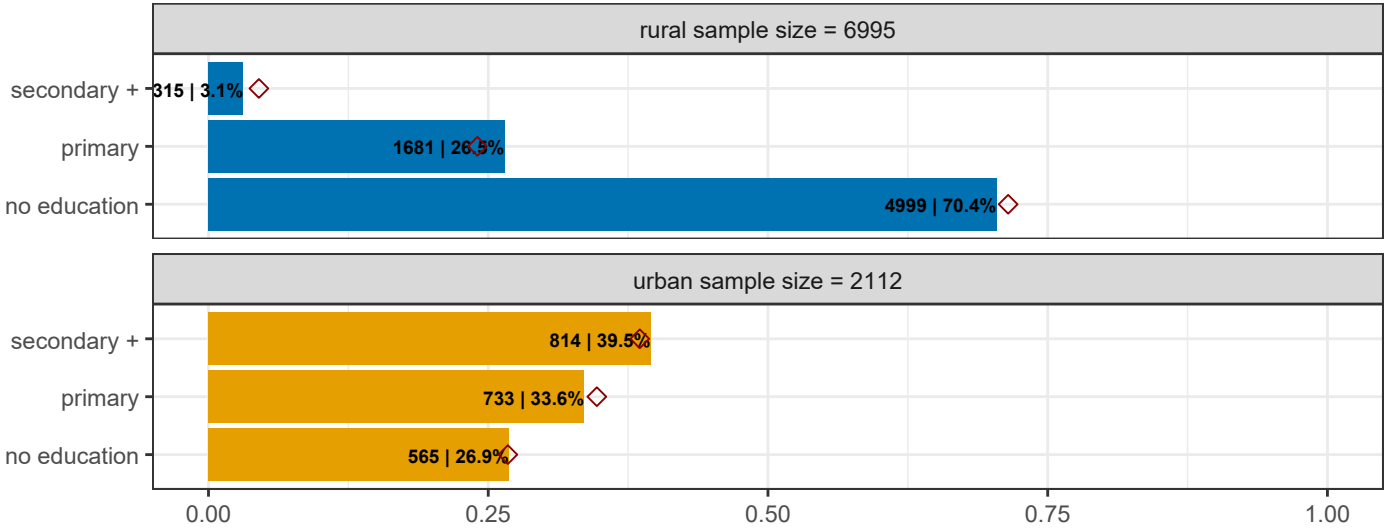
ANC Visits < 4 ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
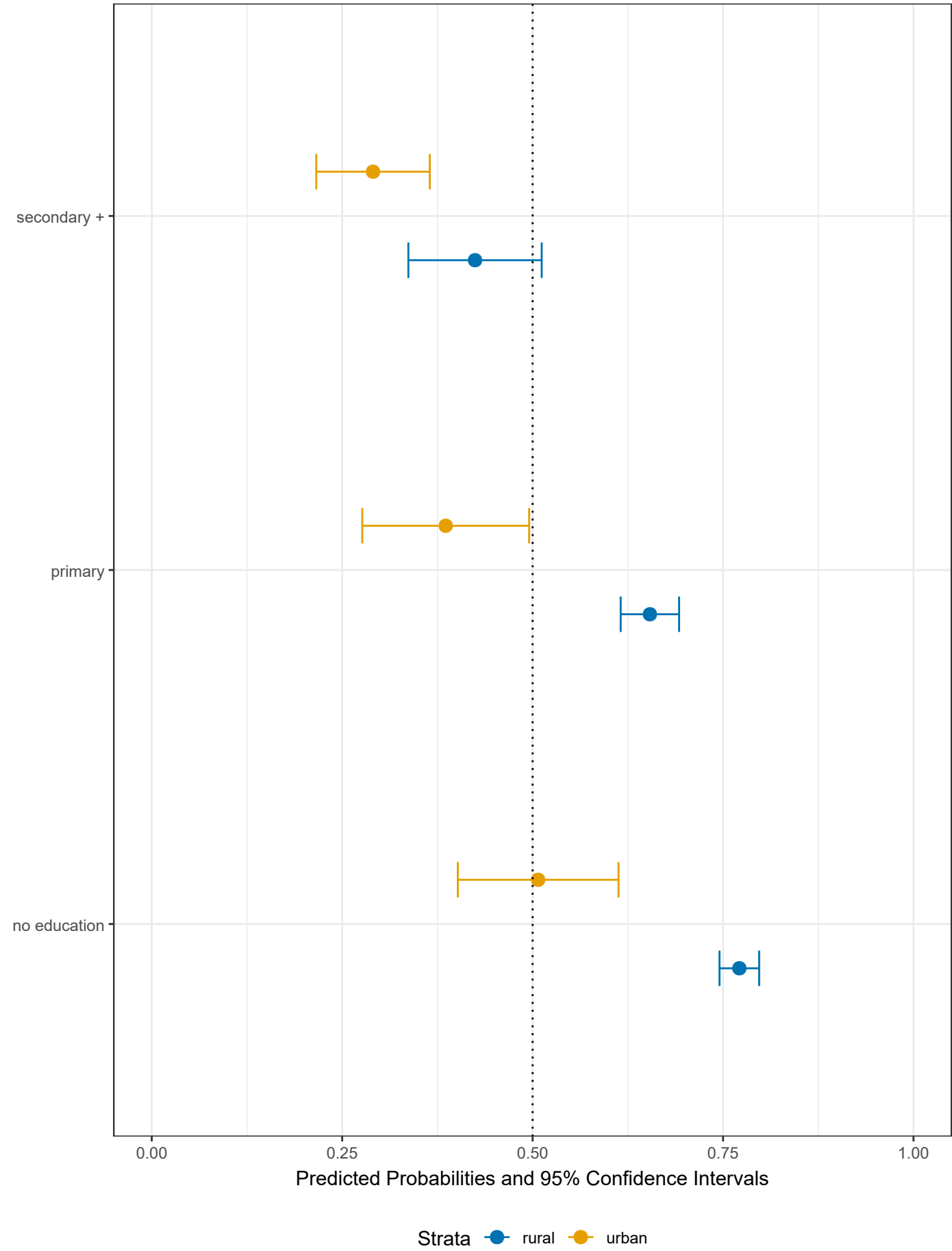
Survey weighted distribution of health outcome: ANC Visits < 4
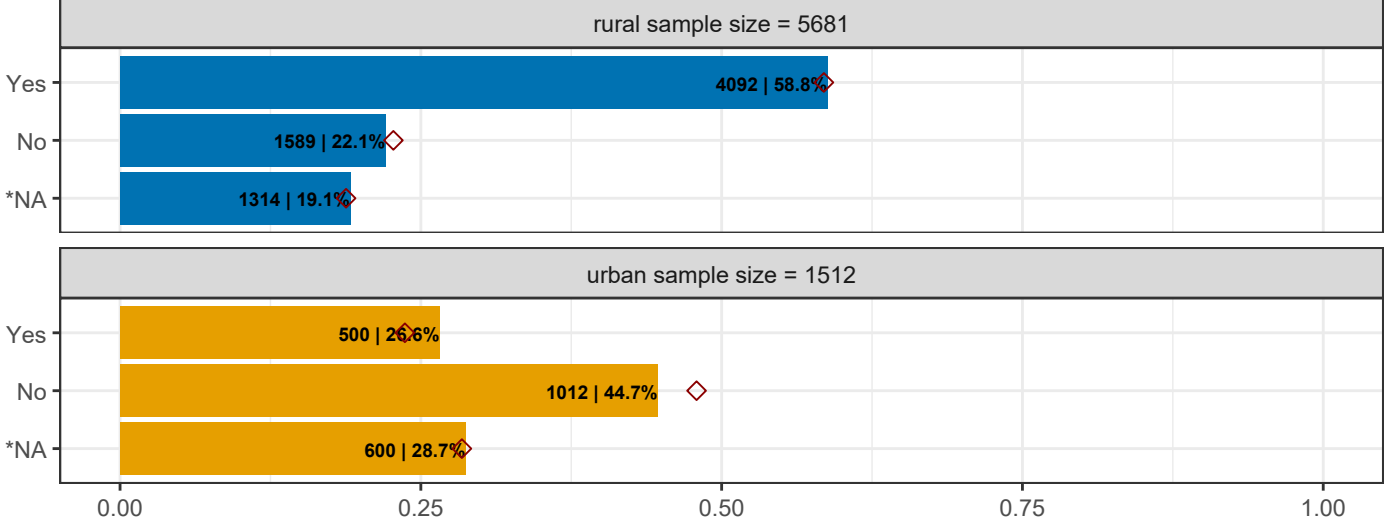
| rural sample size = 5681 |
Yes	4092	58.8%
No	1589	22.1%
*NA	1314	19.1%

| urban sample size = 1512 |
Yes	500	26.6%
No	1012	44.7%
*NA	600	28.7%

Survey weighted distribution of vulnerability variable: Education Level

| rural sample size = 6995 |
secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

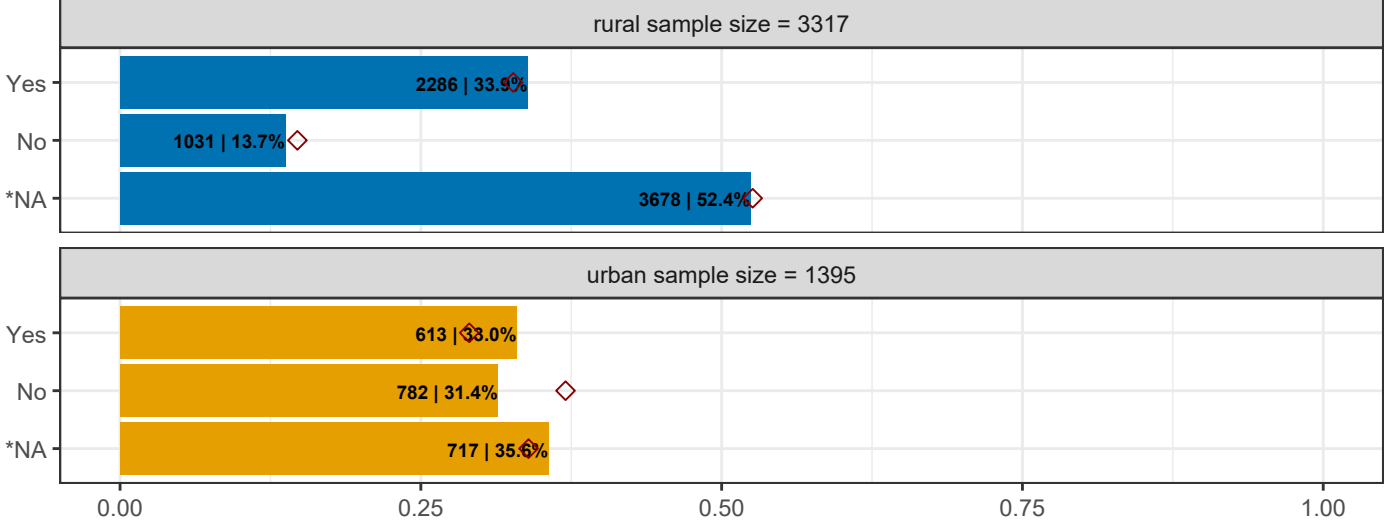| urban sample size = 2112 |
secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%

Binary Outcome variable: anc.less4.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.22*** [0.15, 0.32]	0.4*** [0.24, 0.67]
primary	0.56*** [0.46, 0.68]	0.61 [0.37, 1.02]
no education	Ref	Ref
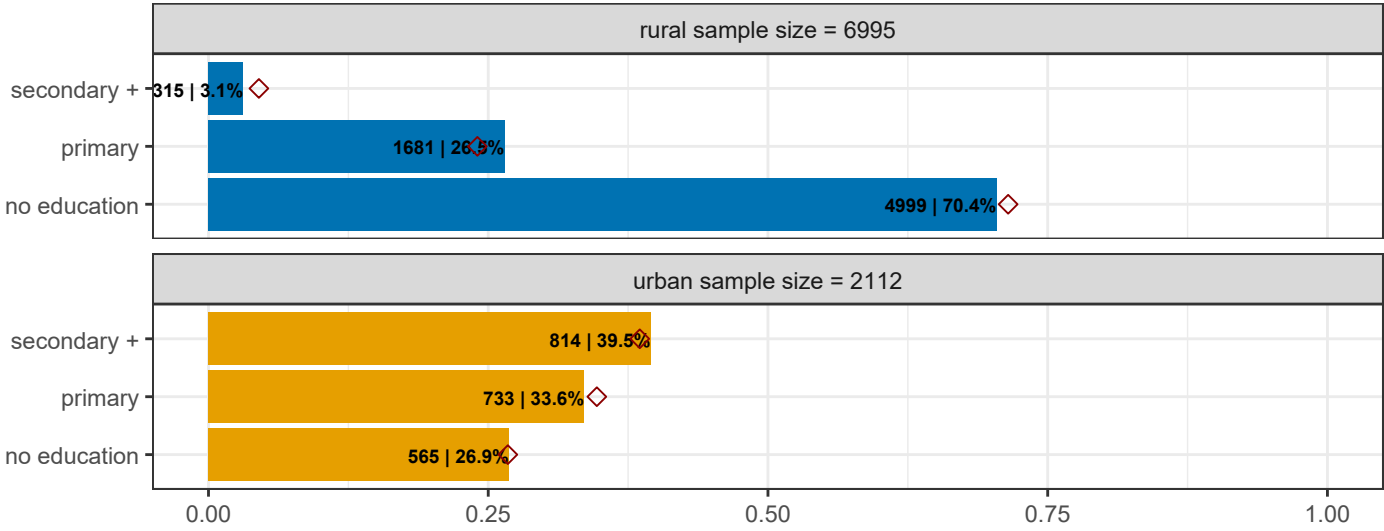
No ANC 1st Tri ~ Education Level
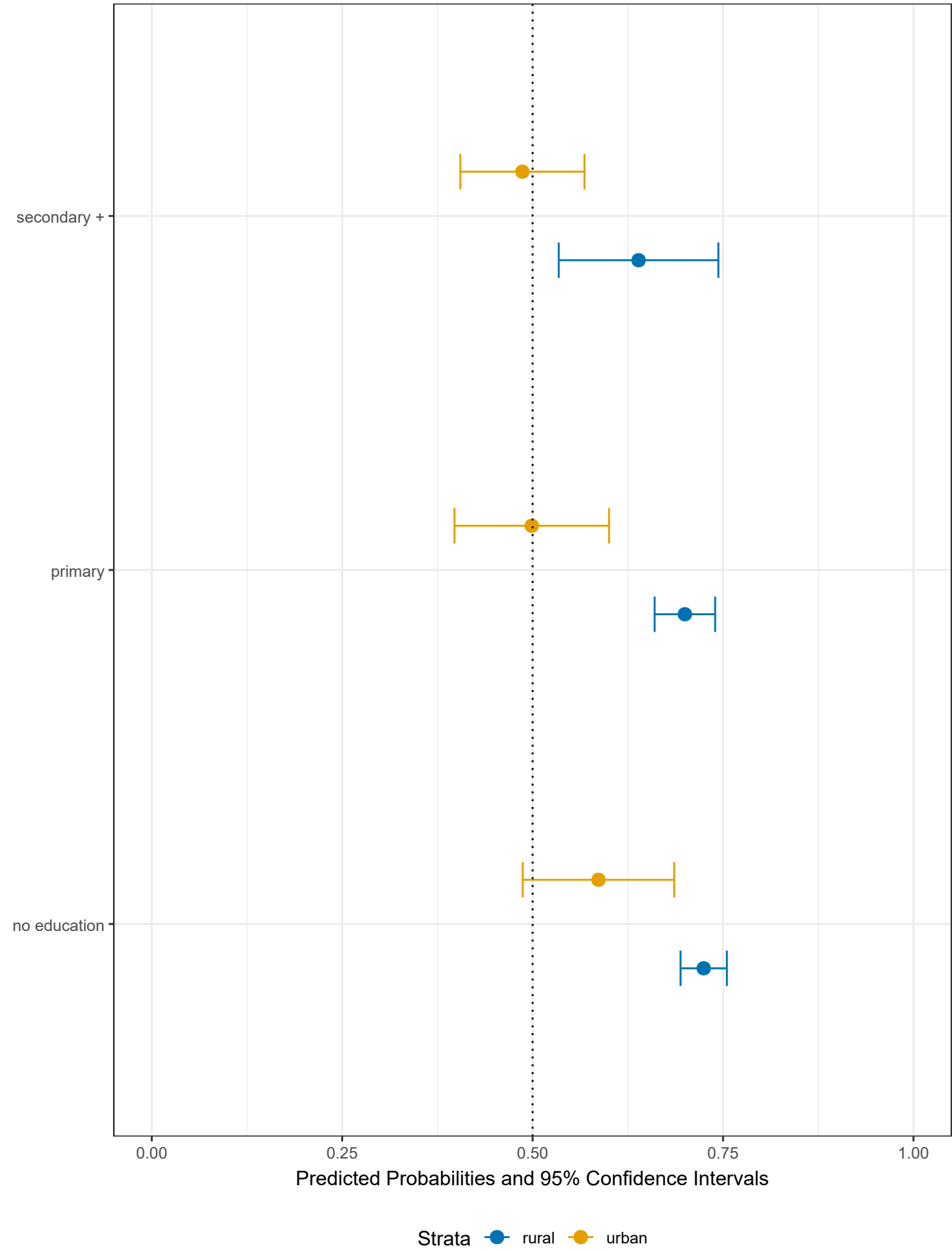
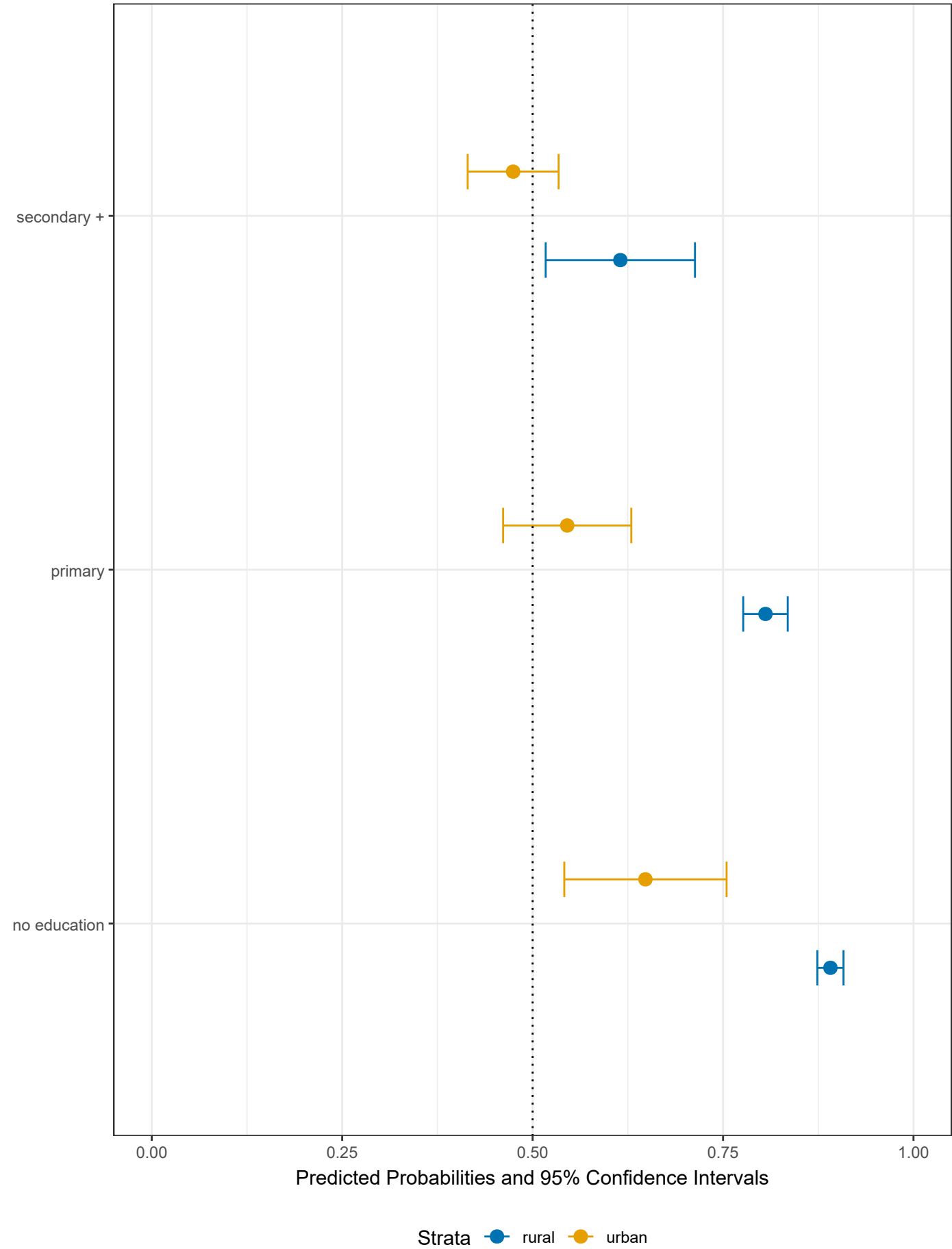**Survey weighted distribution of health outcome: No ANC 1st Tri**

rural sample size = 3317		
Yes	2286 | 33.9%	
No	1031 | 13.7%	
*NA	3678 | 52.4%	

urban sample size = 1395		
Yes	613 | 33.0%	
No	782 | 31.4%	
*NA	717 | 35.6%	

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995		
secondary +	315 | 3.1%	
primary	1681 | 26.5%	
no education	4999 | 70.4%	

urban sample size = 2112		
secondary +	814 | 39.5%	
primary	733 | 33.6%	
no education	565 | 26.9%	

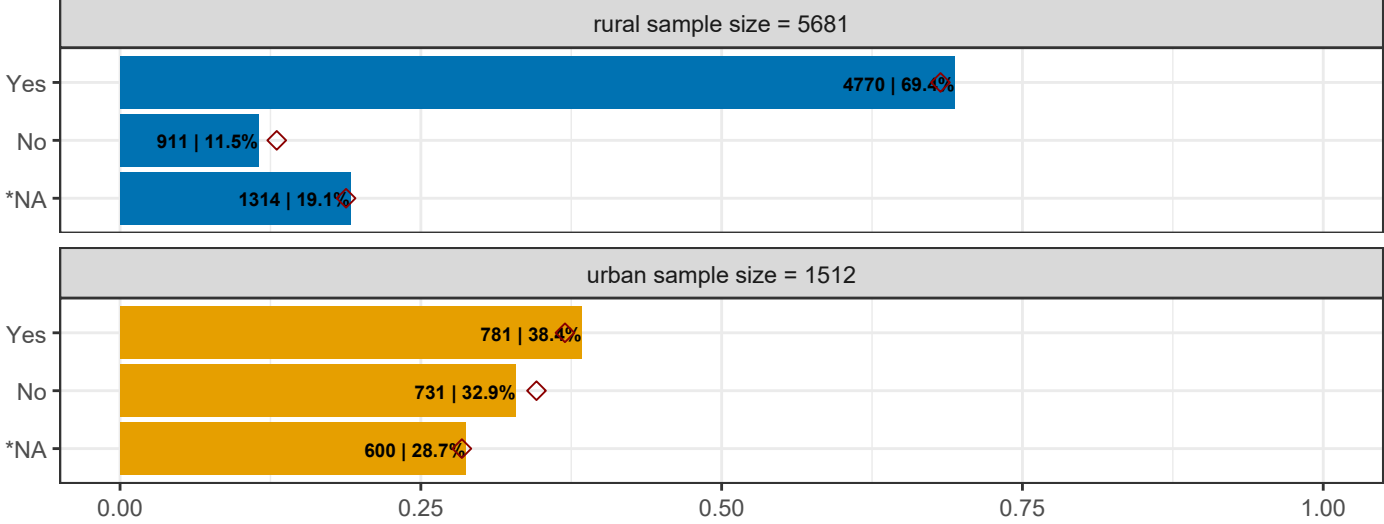**Binary Outcome variable: no.anc.1st.tri and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

var	rural	urban
secondary +	0.67 [0.41, 1.1]	0.67 [0.42, 1.07]
primary	0.89 [0.71, 1.11]	0.7 [0.39, 1.26]
no education	Ref	Ref
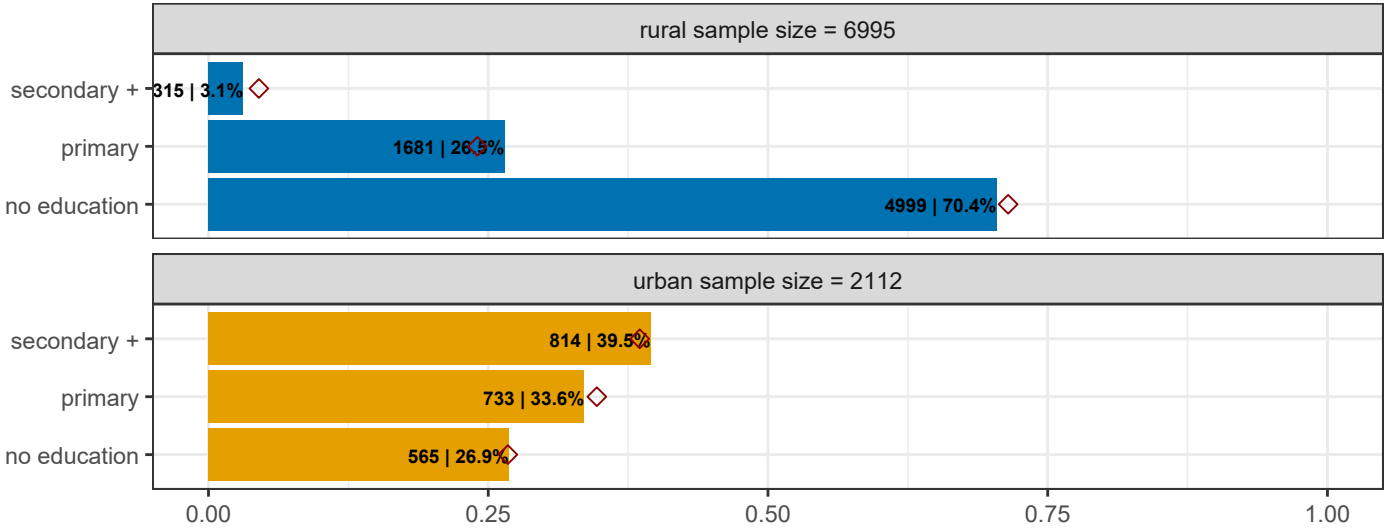
No Woman Checkup ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

Survey weighted distribution of health outcome: No Woman Checkup

rural sample size = 5681		
Yes		4770 | 69.4%
No	911 | 11.5%	
*NA	1314 | 19.1%	

urban sample size = 1512		
Yes	781 | 38.4%	
No	731 | 32.9%	
*NA	600 | 28.7%	

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995		
secondary +	315 | 3.1%	
primary	1681 | 26.5%	
no education	4999 | 70.4%	

urban sample size = 2112		
secondary +	814 | 39.5%	
primary	733 | 33.6%	
no education	565 | 26.9%	

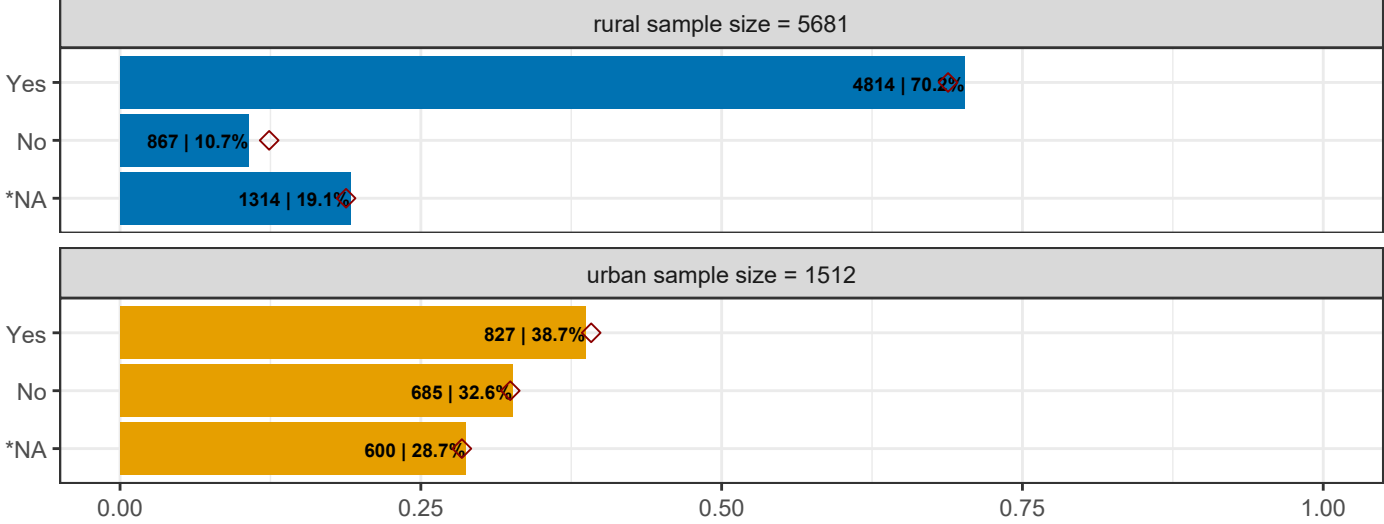**Binary Outcome variable: wom.nohlthck and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.2*** [0.12, 0.31]	0.49** [0.31, 0.78]
primary	0.51*** [0.4, 0.64]	0.65 [0.39, 1.1]
no education	Ref	Ref

No Baby Checkup ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
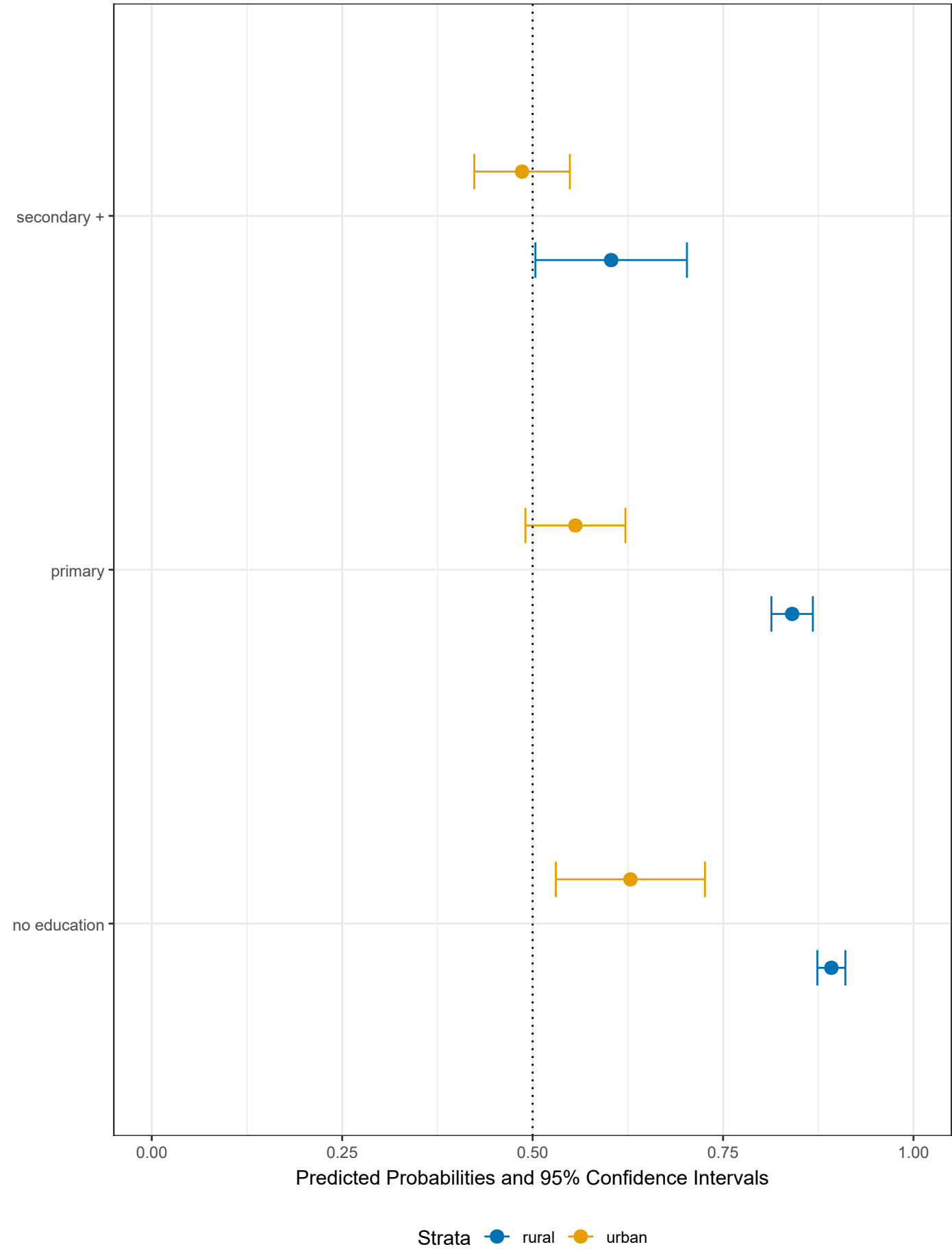
Survey weighted distribution of health outcome: No Baby Checkup

| rural sample size 5681 |
Yes	4814	70.2%
No	867	10.7%
*NA	1314	19.1%

| urban sample size = 1512 |
Yes	827	38.7%
No	685	32.6%
*NA	600	28.7%

Survey weighted distribution of vulnerability variable: Education Level

| rural sample size = 6995 |
secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

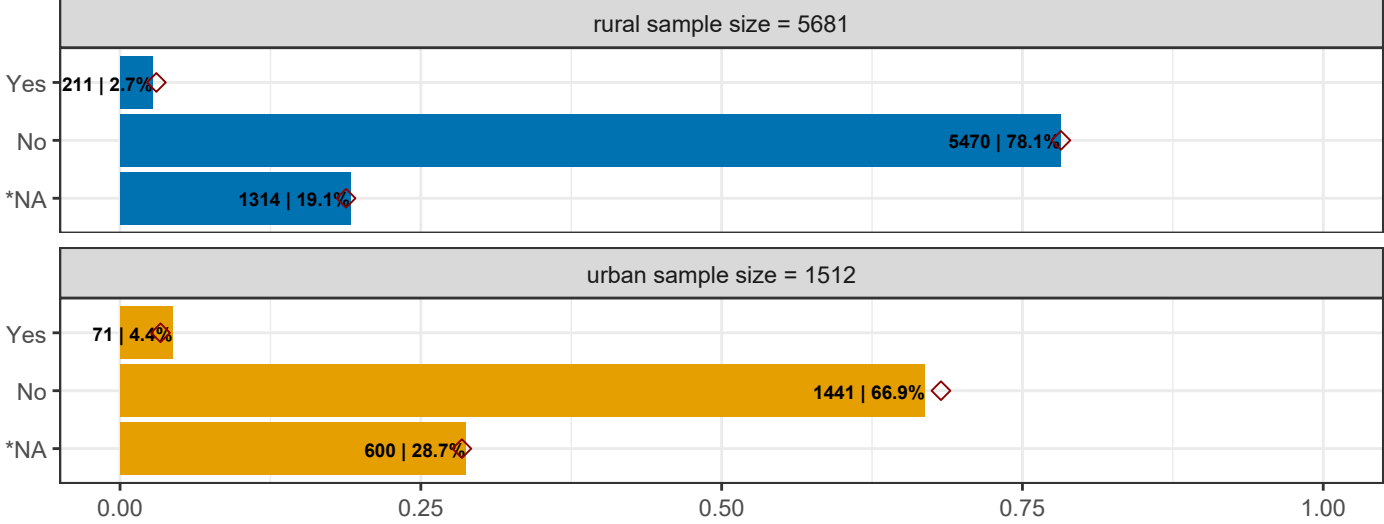| urban sample size = 2112 |
secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%
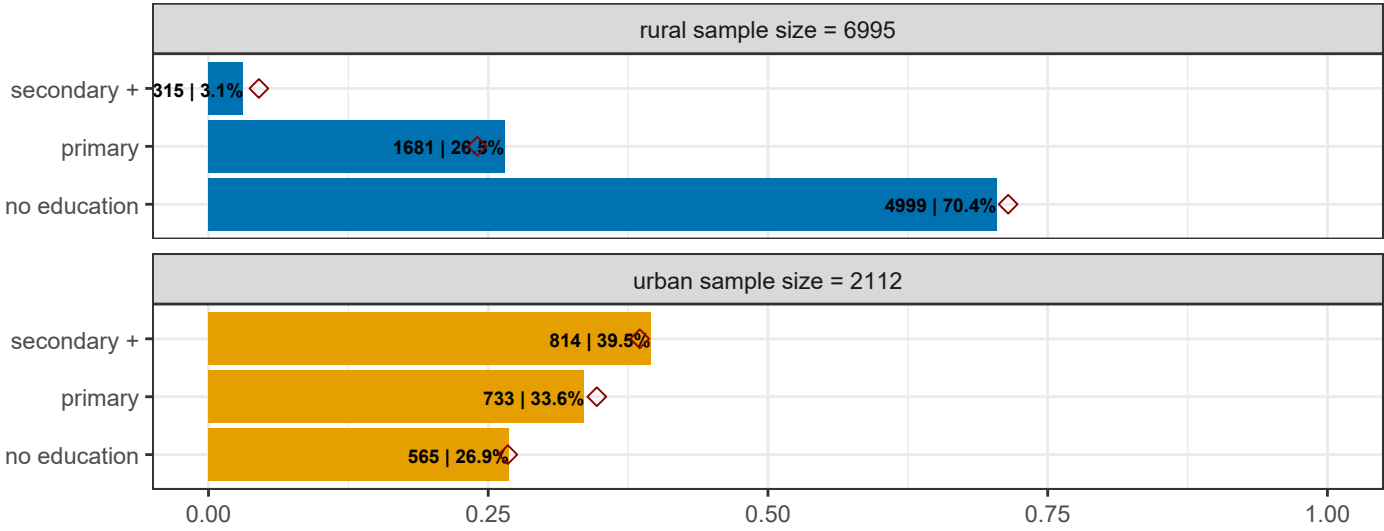
Binary Outcome variable: baby.nohlthck and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.18*** [0.12, 0.29]	0.56* [0.36, 0.88]
primary	0.64*** [0.5, 0.82]	0.74 [0.48, 1.14]
no education	Ref	Ref

No Breastfeed Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
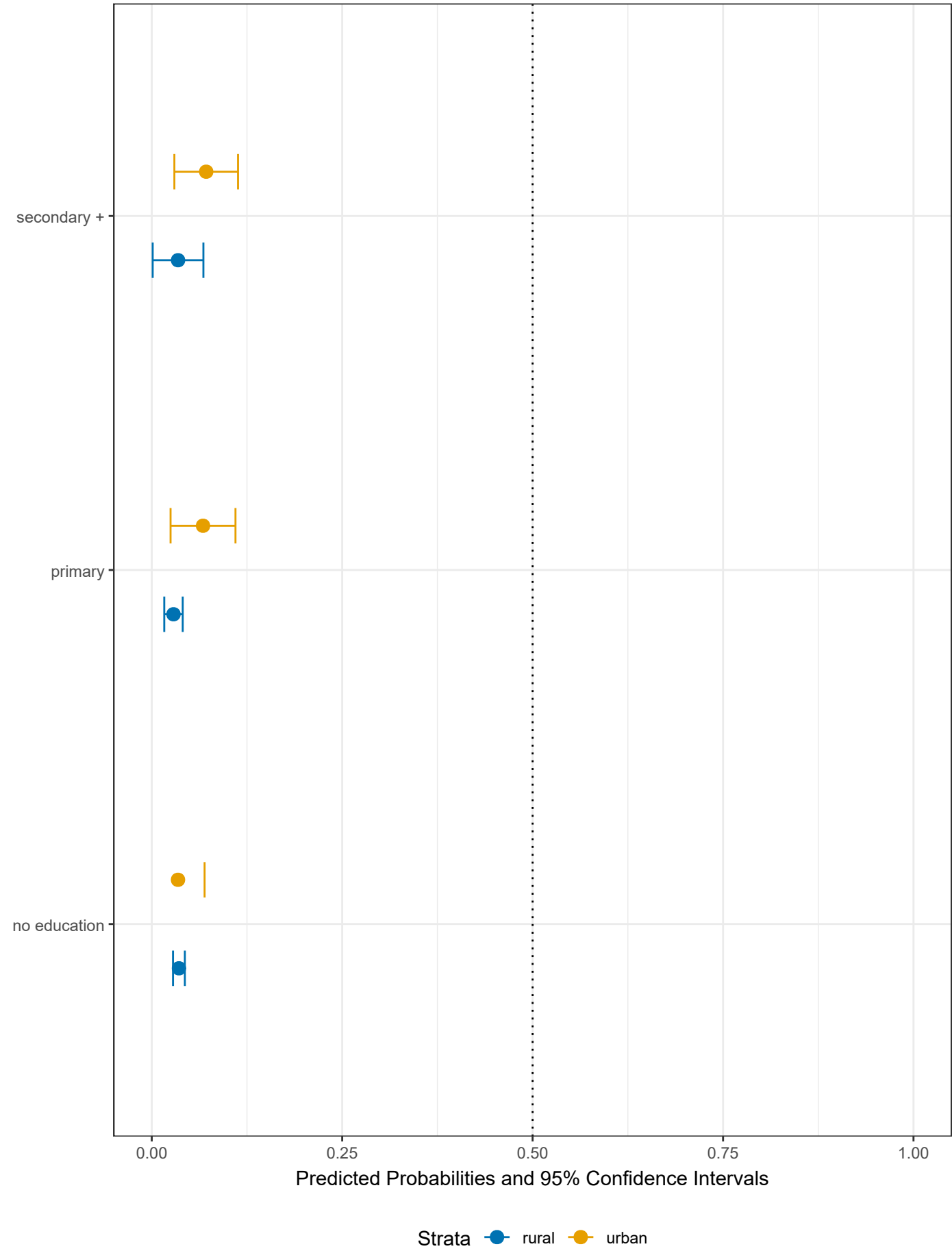
Survey weighted distribution of health outcome: No Breastfeed Last

rural sample size = 5681

Yes	211 | 2.7%
No	5470 | 78.1%
*NA	1314 | 19.1%

urban sample size = 1512

Yes	71 | 4.4%
No	1441 | 66.9%
*NA	600 | 28.7%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315 | 3.1%
primary	1681 | 26.5%
no education	4999 | 70.4%

urban sample size = 2112

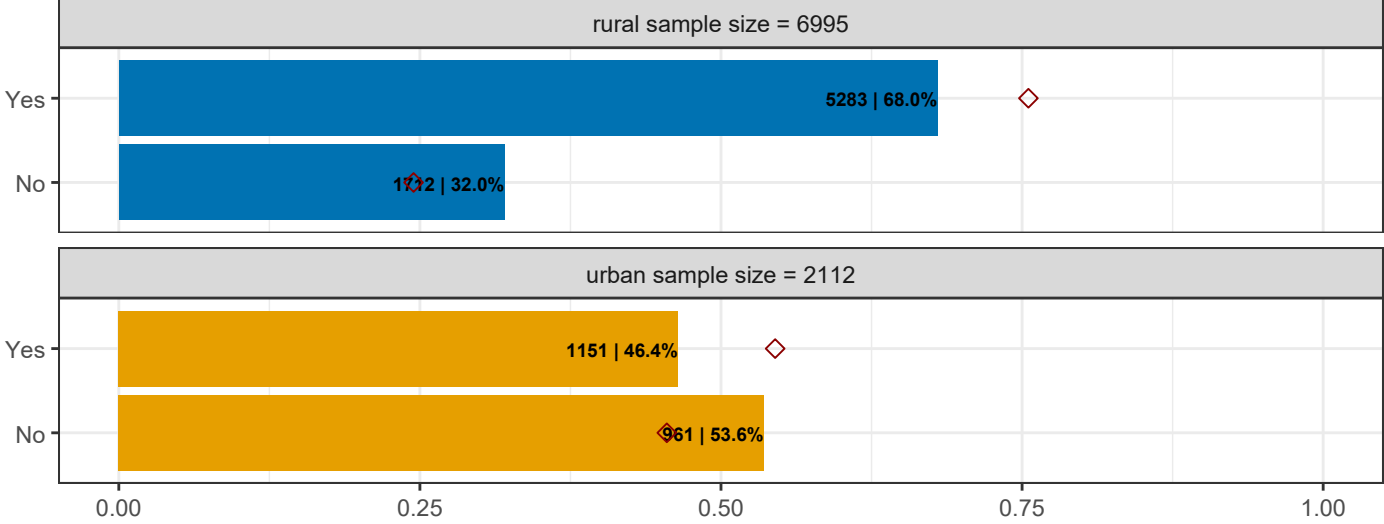|	
secondary +	814 | 39.5%
primary	733 | 33.6%
no education	565 | 26.9%
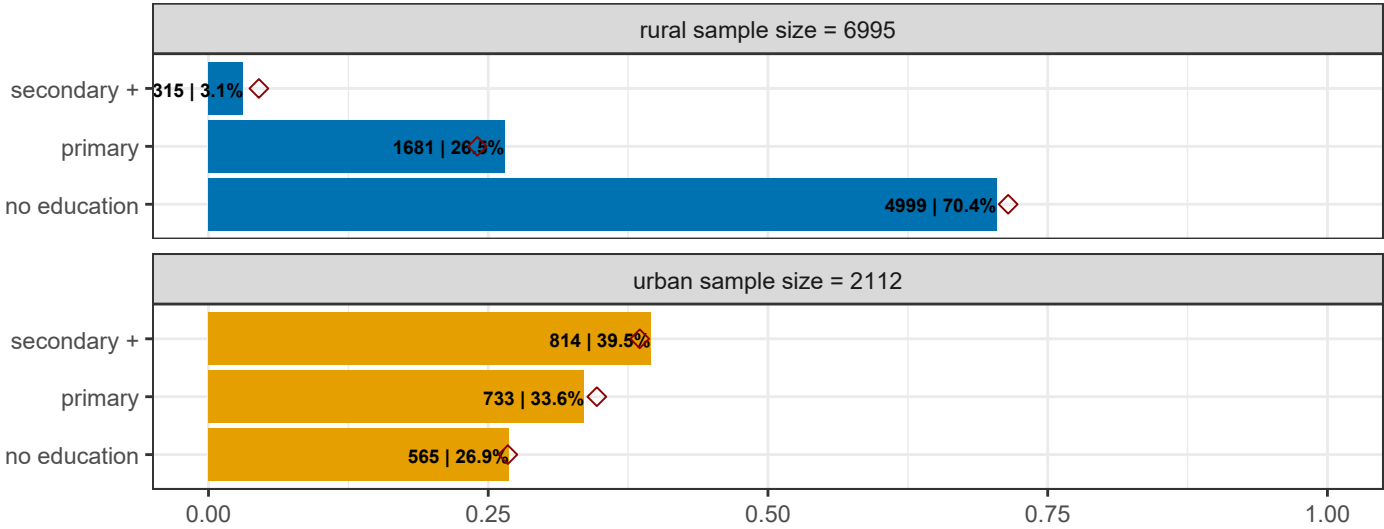
Binary Outcome variable: no.breastfeed.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.97 [0.36, 2.62]	2.16 [0.64, 7.32]
primary	0.79 [0.47, 1.33]	2.02 [0.59, 6.88]
no education	Ref	Ref
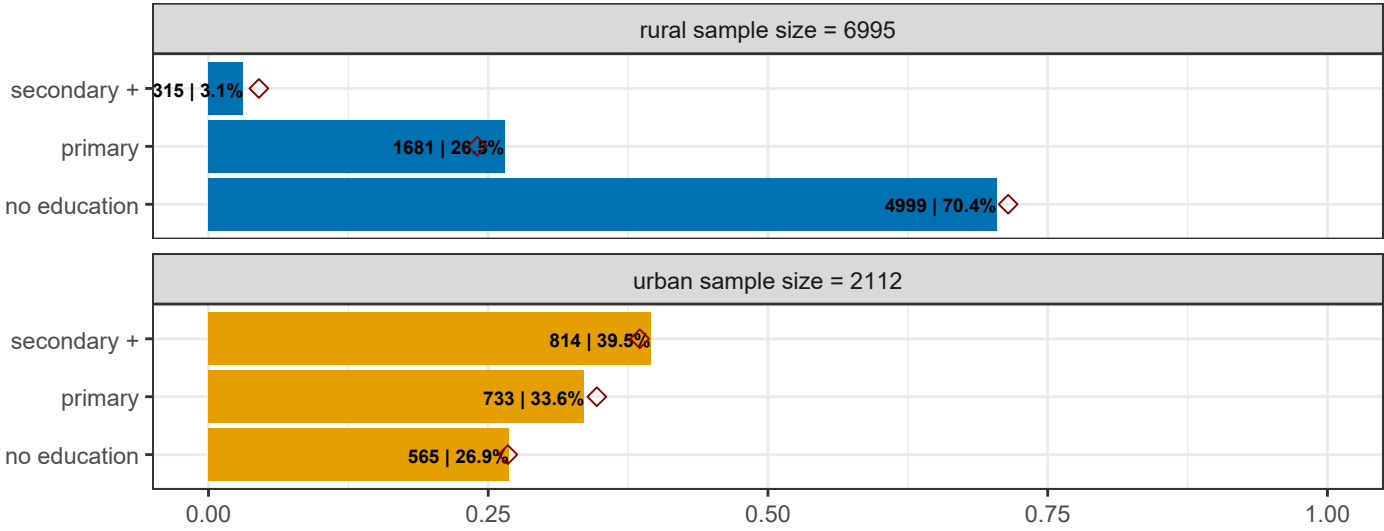
No Modern FP Use Now ~ Education Level
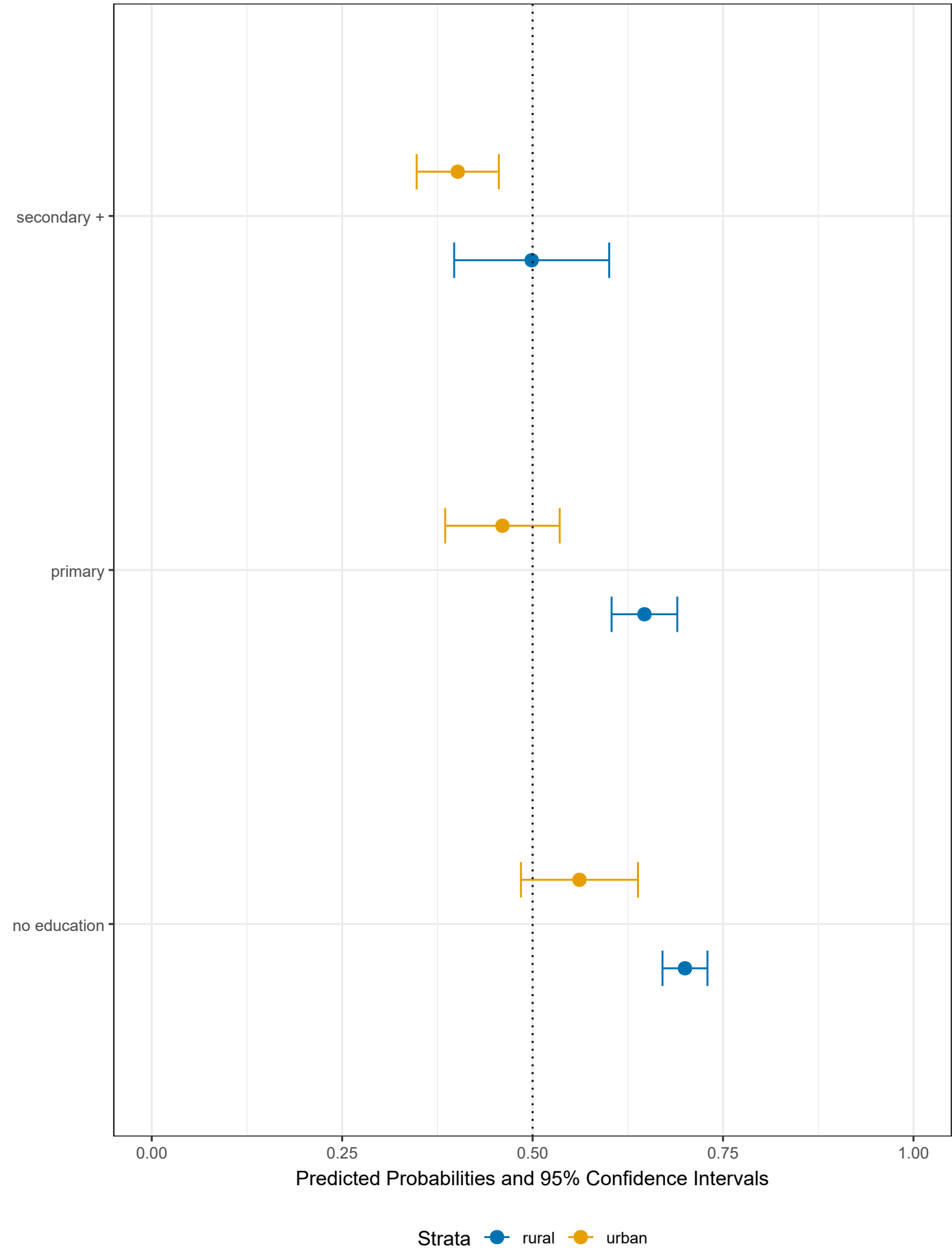
Predicted Probabilities and 95% Confidence Intervals

Strata: ● rural ● urban

Survey weighted distribution of health outcome: No Modern FP Use Now

rural sample size = 6995	
Yes	5283 | 68.0%
No	1712 | 32.0%

urban sample size = 2112	
Yes	1151 | 46.4%
No	961 | 53.6%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995	
secondary +	315 | 3.1%
primary	1681 | 26.5%
no education	4999 | 70.4%

urban sample size = 2112	
secondary +	814 | 39.5%
primary	733 | 33.6%
no education	565 | 26.9%

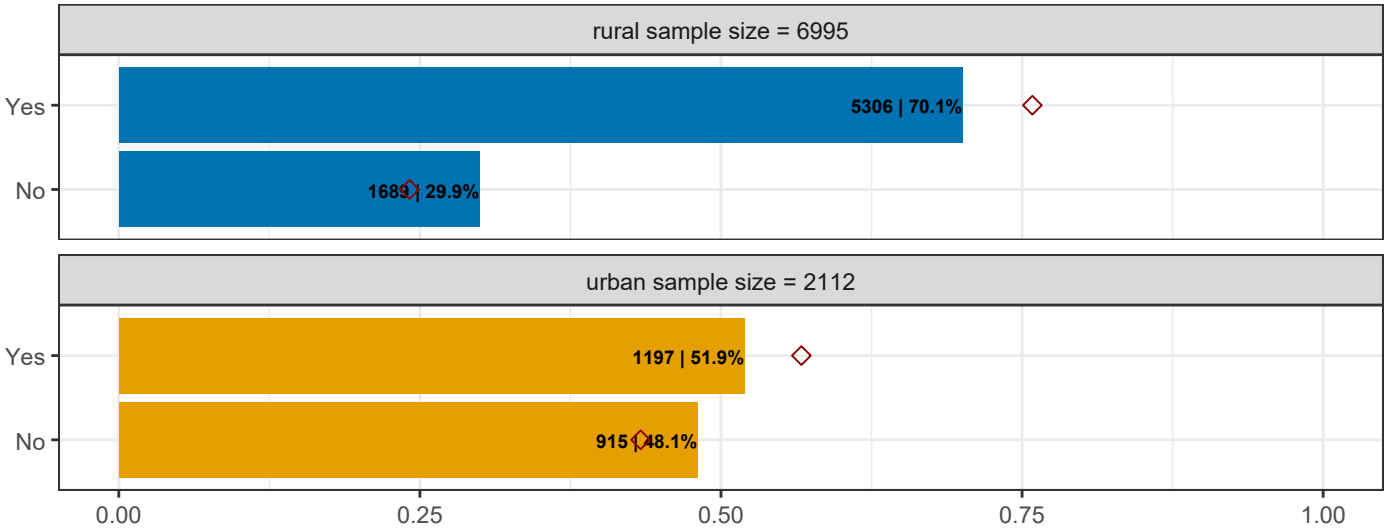**Binary Outcome variable: nofp.mod.now and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.43*** [0.28, 0.65]	0.52*** [0.36, 0.76]
primary	0.78* [0.65, 0.94]	0.67 [0.43, 1.04]
no education	Ref	Ref
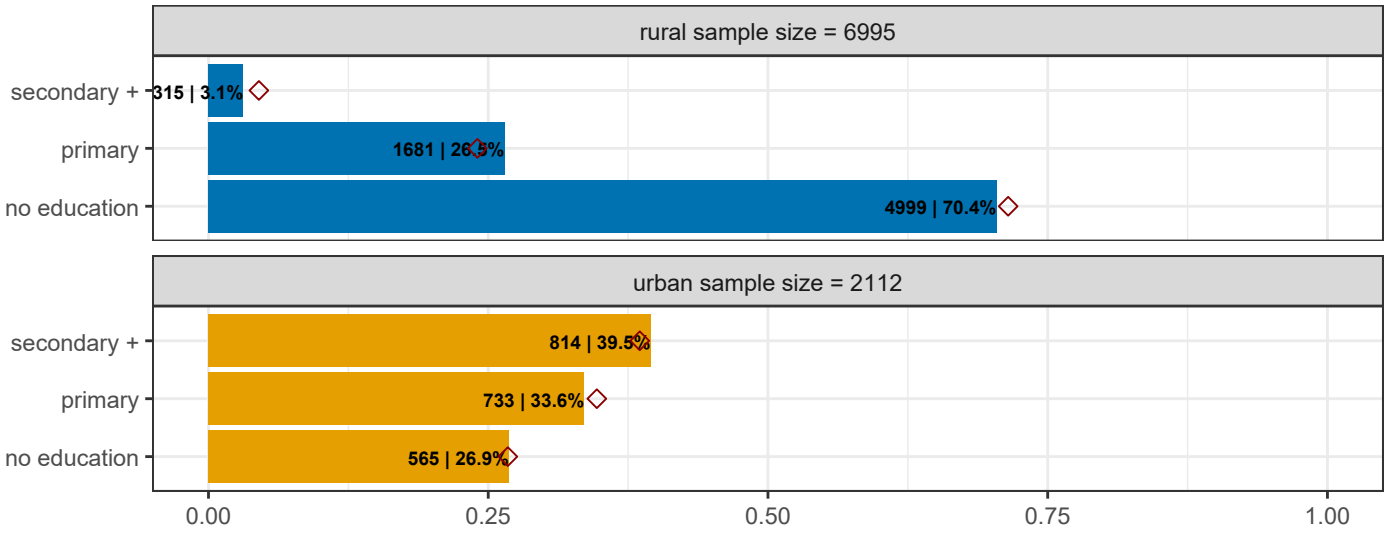
No FP Dis 5yr ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
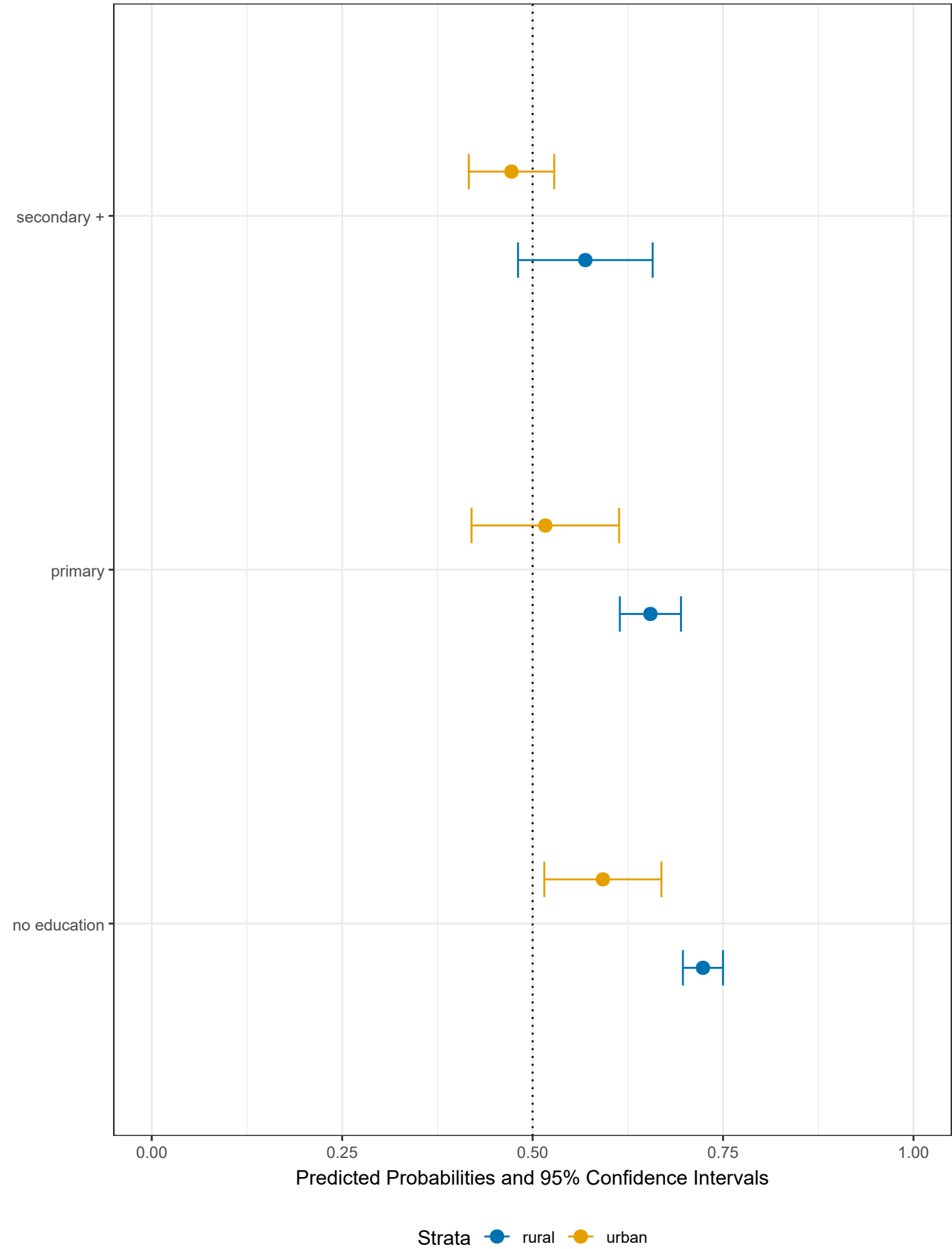
Survey weighted distribution of health outcome: No FP Dis 5yr

rural sample size = 6995

Yes — 5306 | 70.1%
No — 1689 | 29.9%

urban sample size = 2112

Yes — 1197 | 51.9%
No — 915 | 48.1%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary + — 315 | 3.1%
primary — 1681 | 26.5%
no education — 4999 | 70.4%

urban sample size = 2112

secondary + — 814 | 39.5%
primary — 733 | 33.6%
no education — 565 | 26.9%

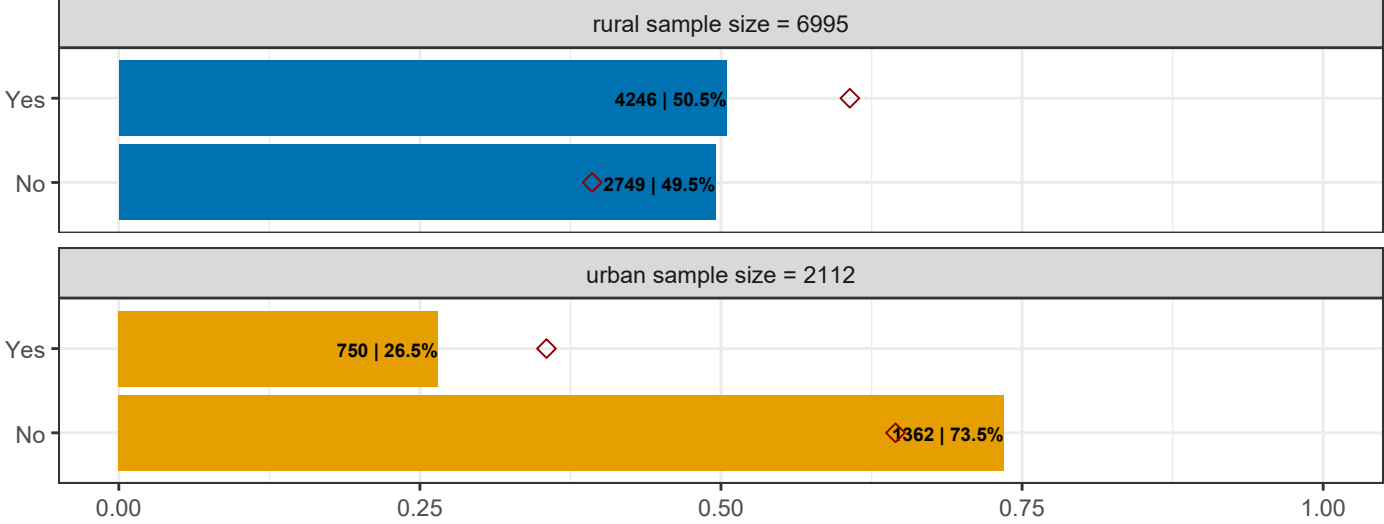Binary Outcome variable: nofp.dis.5yr and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.5*** [0.34, 0.75]	0.62* [0.41, 0.93]
primary	0.72*** [0.6, 0.87]	0.74 [0.44, 1.23]
no education	Ref	Ref
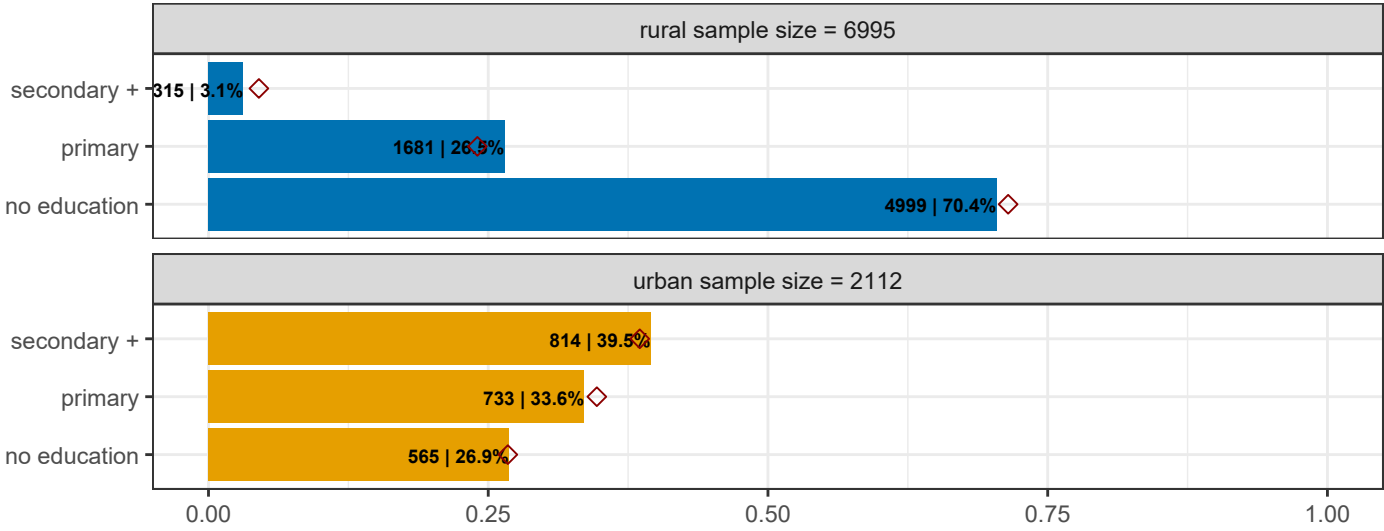
No Modern FP Use ~ Education Level
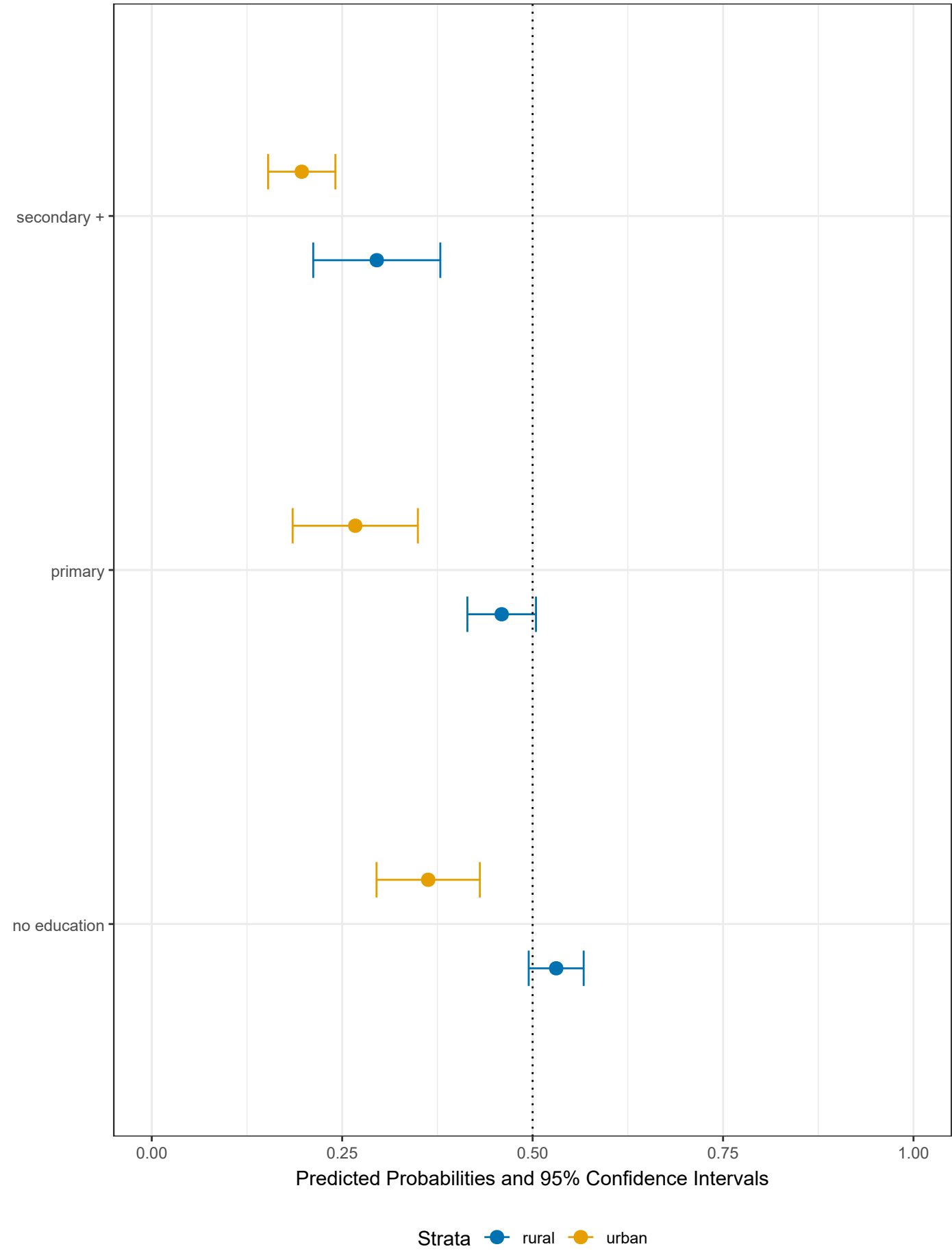
Predicted Probabilities and 95% Confidence Intervals

Strata: rural, urban

Survey weighted distribution of health outcome: No Modern FP Use

rural sample size = 6995

- Yes: 4246 | 50.5%
- No: 2749 | 49.5%

urban sample size = 2112

- Yes: 750 | 26.5%
- No: 1362 | 73.5%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

- secondary +: 315 | 3.1%
- primary: 1681 | 26.5%
- no education: 4999 | 70.4%

urban sample size = 2112

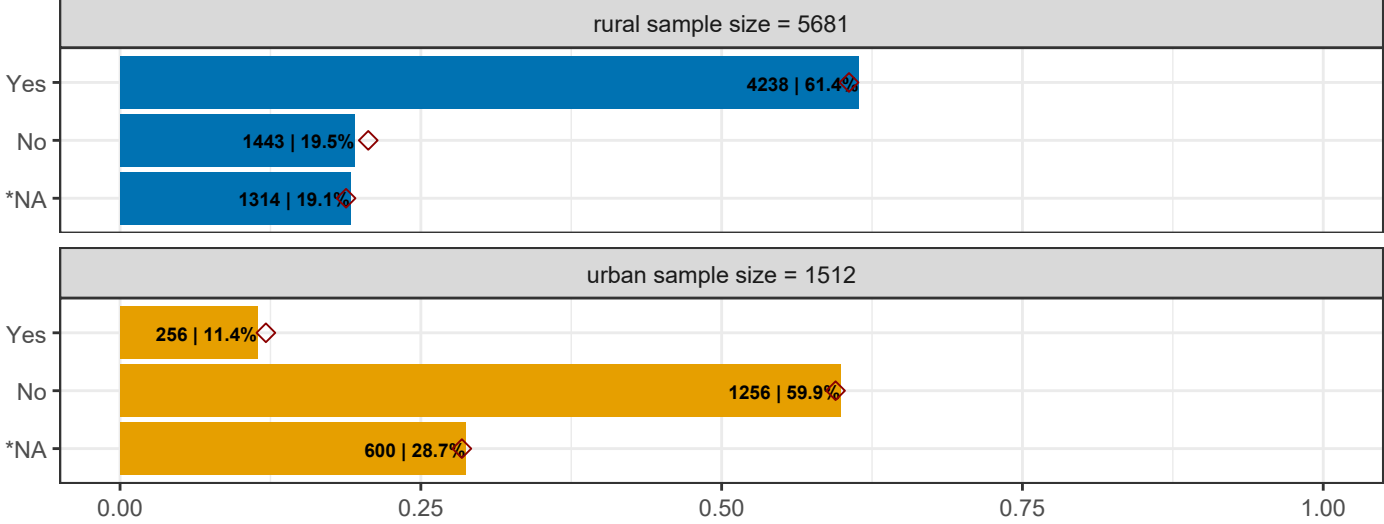- secondary +: 814 | 39.5%
- primary: 733 | 33.6%
- no education: 565 | 26.9%

Binary Outcome variable: nofp.mod.ever and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.37*** [0.24, 0.57]	0.43*** [0.29, 0.65]
primary	0.75** [0.63, 0.89]	0.64 [0.4, 1.02]
no education	Ref	Ref

Home Birth Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
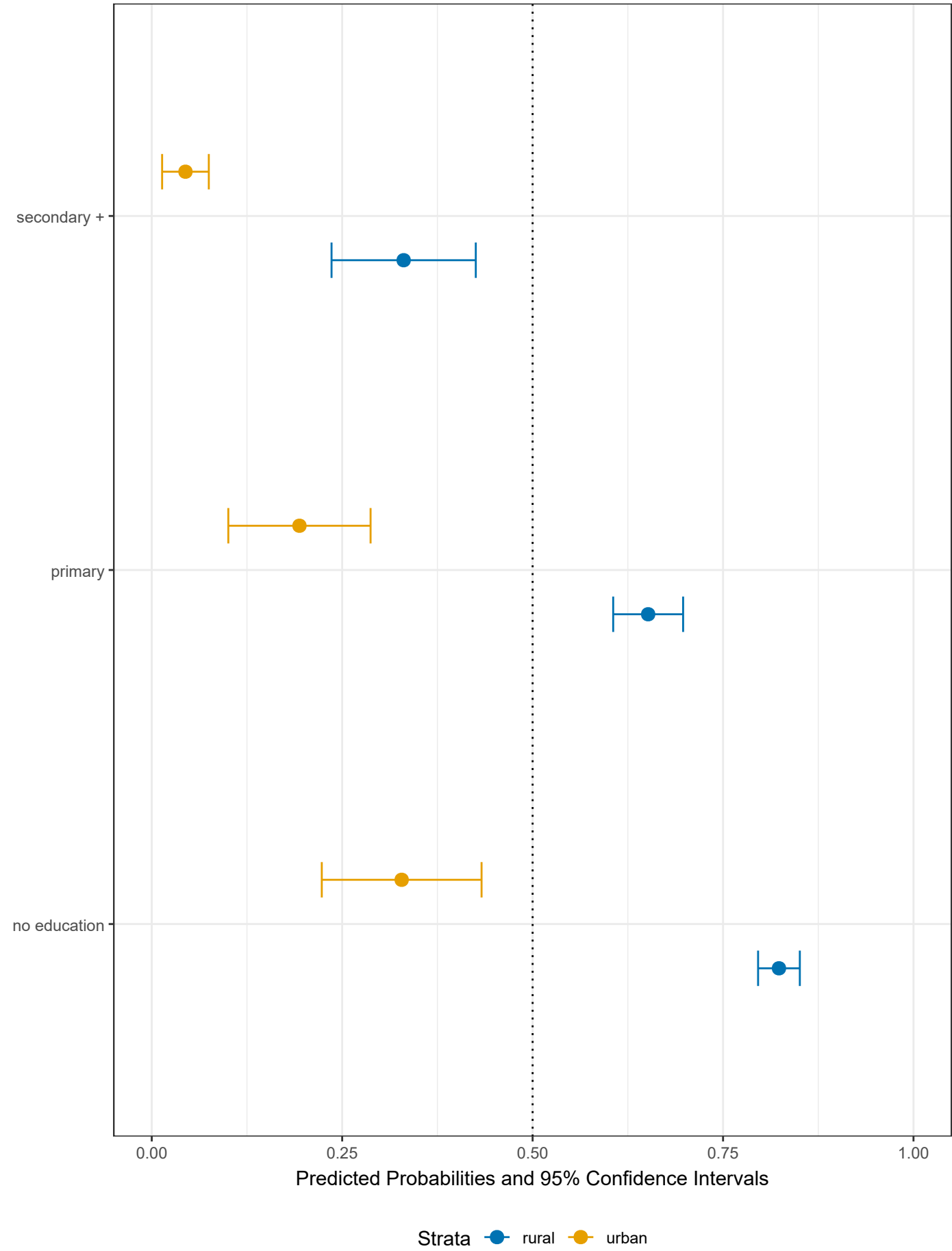
Survey weighted distribution of health outcome: Home Birth Last

| rural sample size = 5681 |
Yes — 4238	61.4%
No — 1443	19.5%
*NA — 1314	19.1%

| urban sample size = 1512 |
Yes — 256	11.4%
No — 1256	59.9%
*NA — 600	28.7%

Survey weighted distribution of vulnerability variable: Education Level

| rural sample size = 6995 |
secondary + — 315	3.1%
primary — 1681	26.5%
no education — 4999	70.4%

| urban sample size = 2112 |
secondary + — 814	39.5%
primary — 733	33.6%
no education — 565	26.9%

Binary Outcome variable: home.birth.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.11*** [0.07, 0.16]	0.09*** [0.04, 0.22]
primary	0.4*** [0.33, 0.49]	0.49** [0.29, 0.83]
no education	Ref	Ref

Stunted Last Y/N ~ Education Level
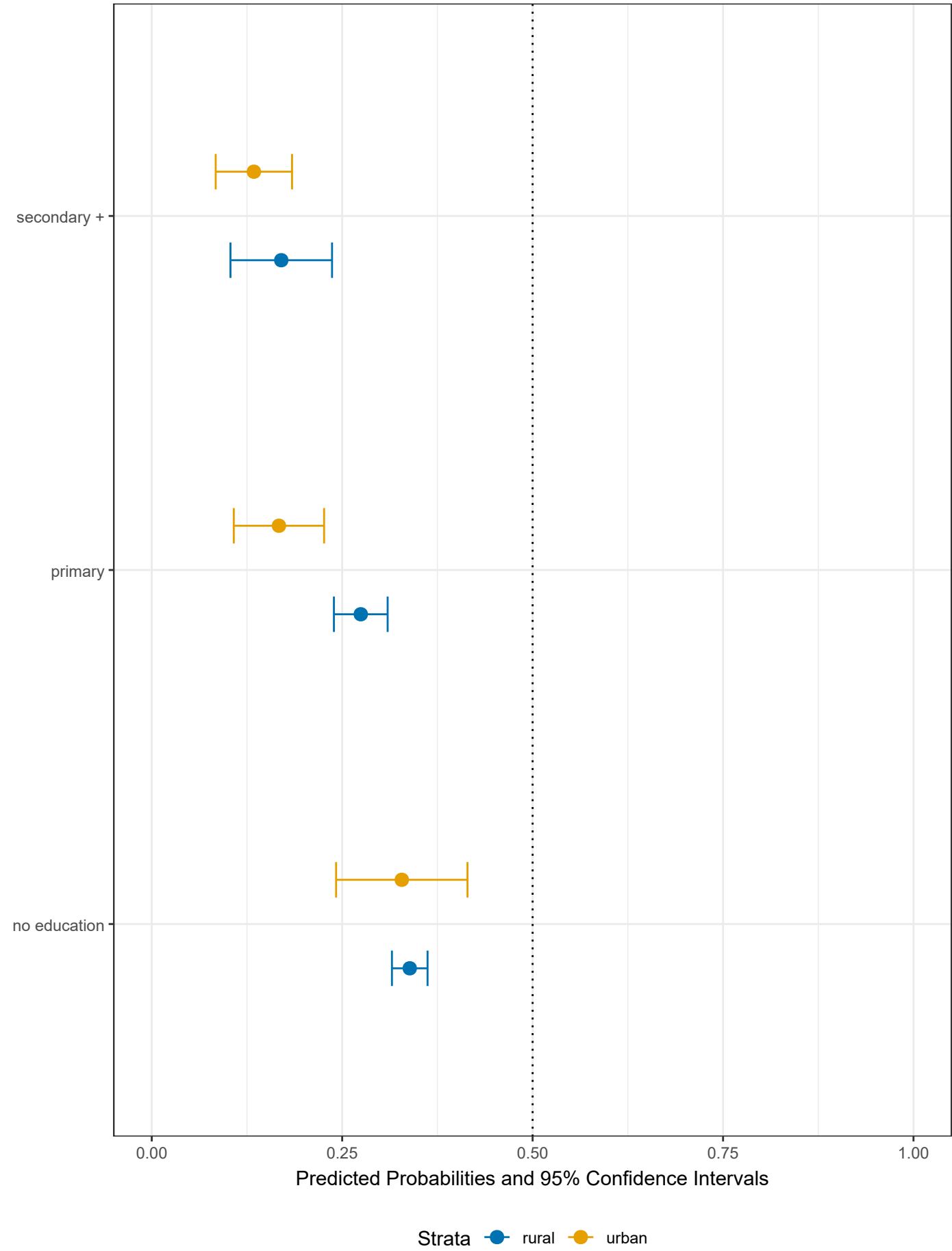
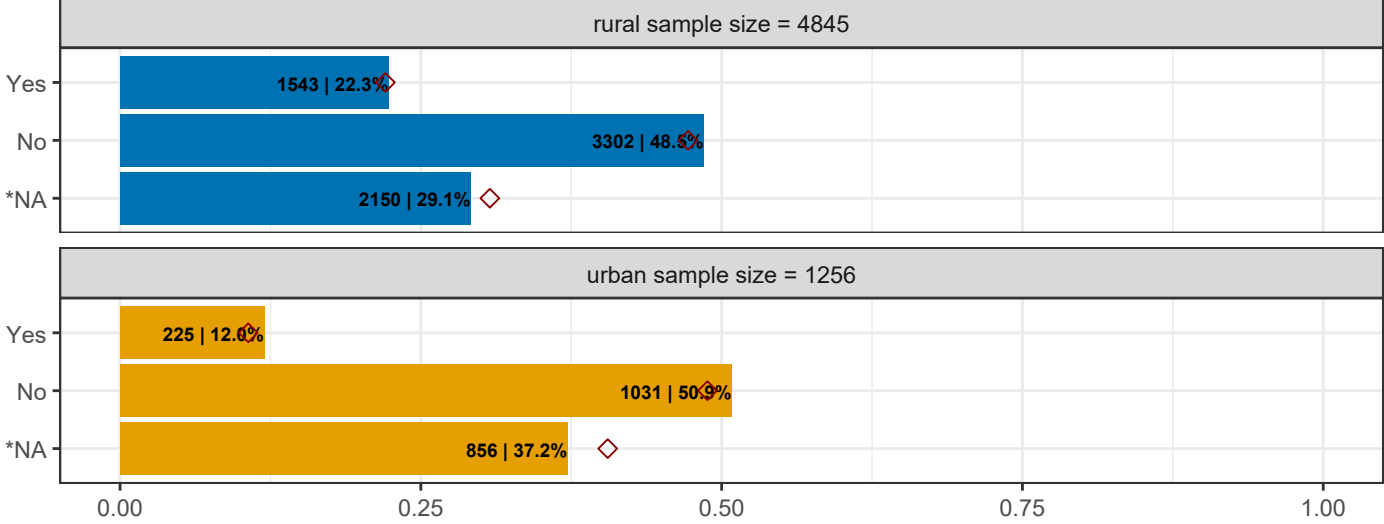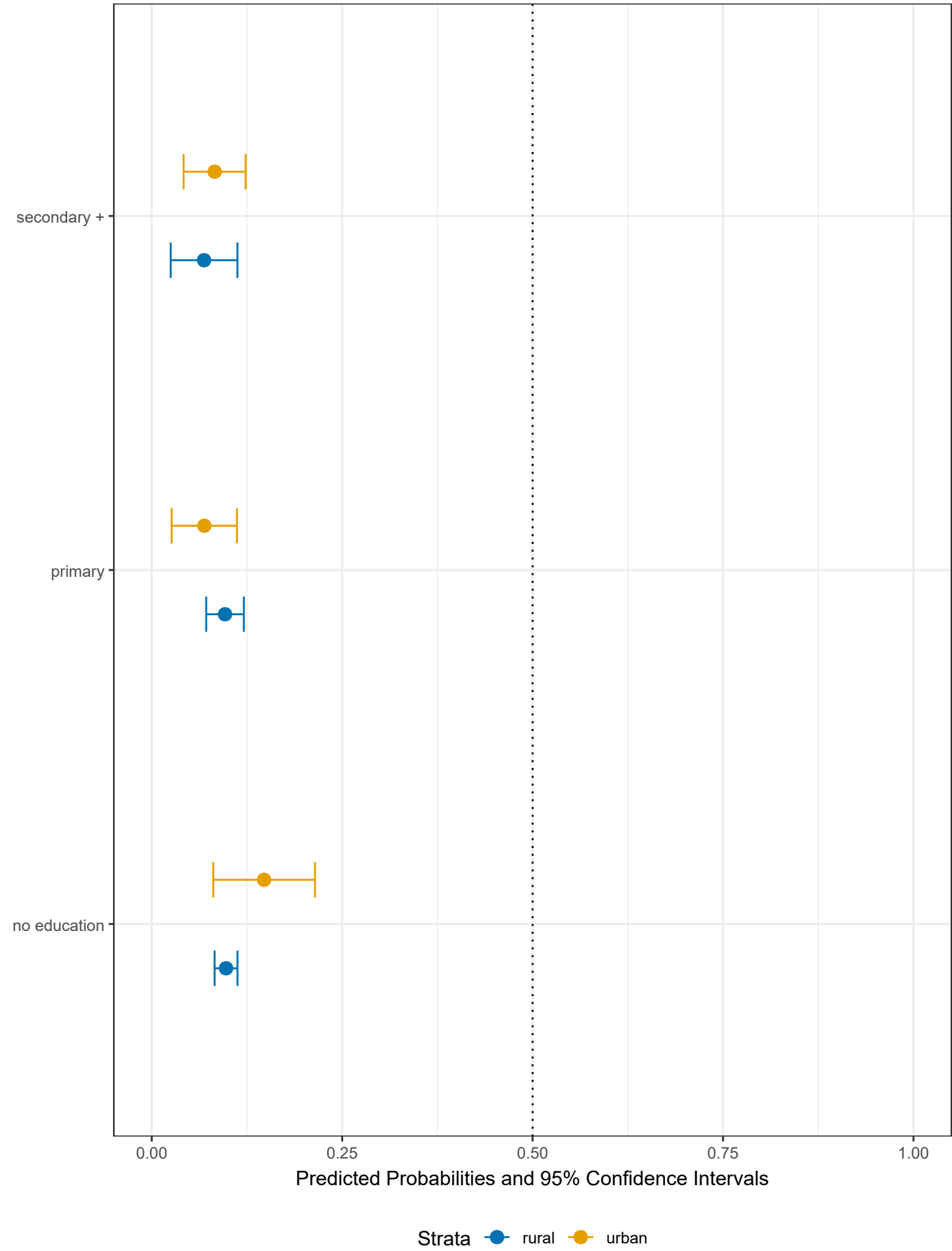Survey weighted distribution of health outcome: Stunted Last Y/N

rural sample size = 4845

Yes — 1543 | 22.3%
No — 3302 | 48.5%
*NA — 2150 | 29.1%

urban sample size = 1256

Yes — 225 | 12.0%
No — 1031 | 50.9%
*NA — 856 | 37.2%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary + — 315 | 3.1%
primary — 1681 | 26.5%
no education — 4999 | 70.4%

urban sample size = 2112

secondary + — 814 | 39.5%
primary — 733 | 33.6%
no education — 565 | 26.9%

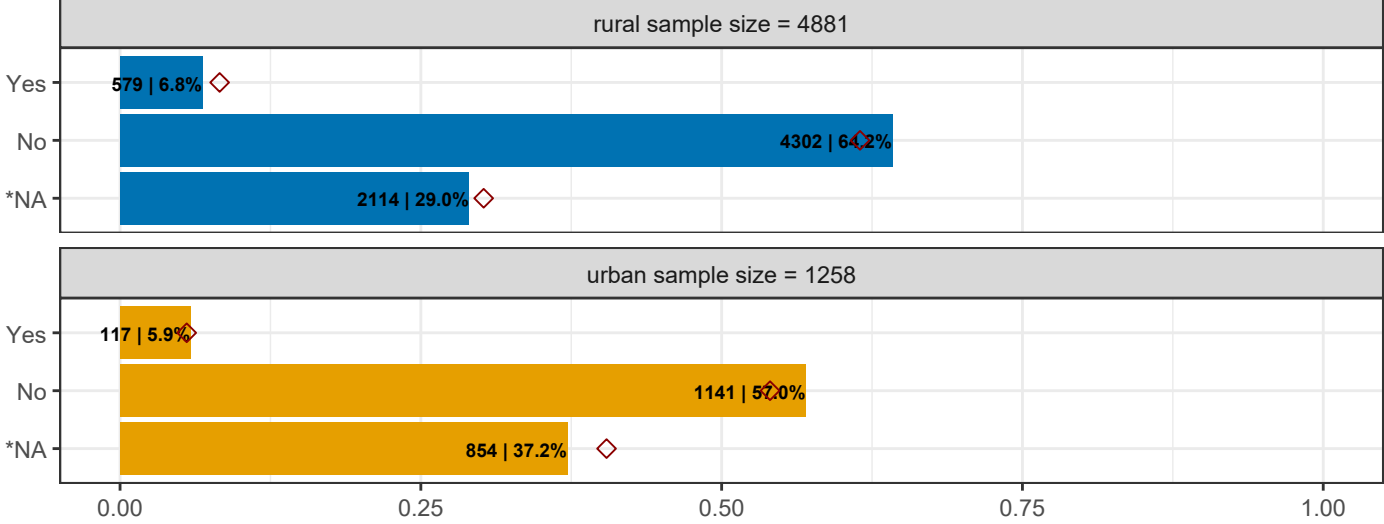**Binary Outcome variable: stunt.cat2.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.4*** [0.25, 0.65]	0.32*** [0.2, 0.5]
primary	0.74** [0.61, 0.9]	0.41** [0.23, 0.74]
no education	Ref	Ref

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

Wasted Child Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata: ● rural ● urban

Survey weighted distribution of health outcome: Wasted Child Last

rural sample size = 4881

Yes	579	6.8%
No	4302	64.2%
*NA	2114	29.0%

urban sample size = 1258

Yes	117	5.9%
No	1141	57.0%
*NA	854	37.2%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

urban sample size = 2112

secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%

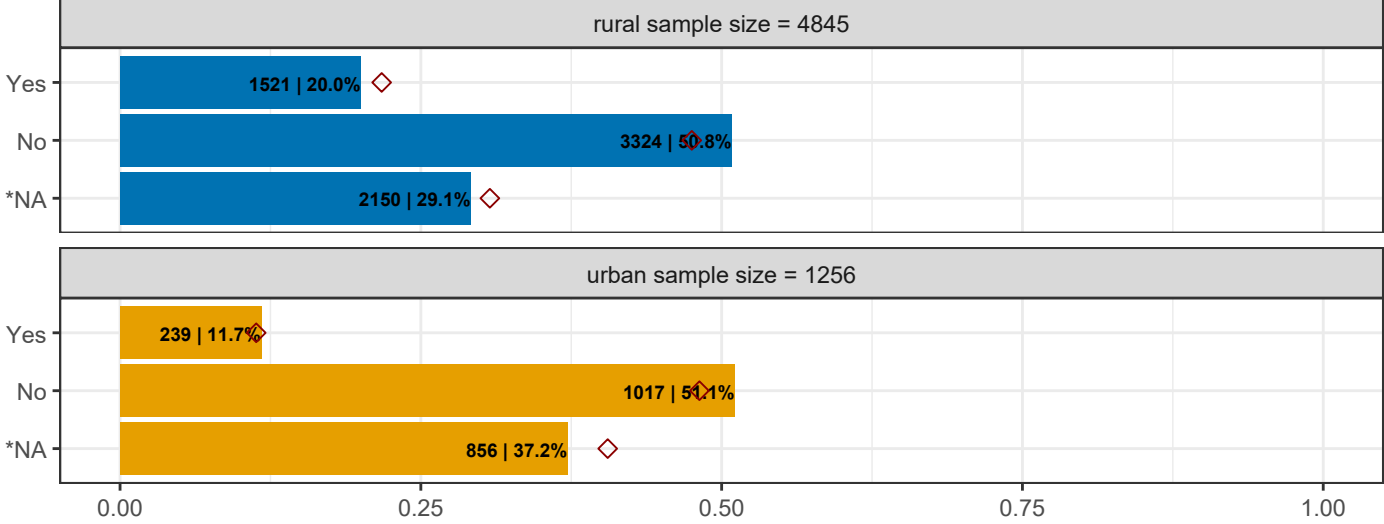**Binary Outcome variable: waste.cat2.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.68 [0.34, 1.38]	0.52 [0.26, 1.04]
primary	0.98 [0.72, 1.35]	0.43* [0.19, 0.97]
no education	Ref	Ref

Underweight Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban
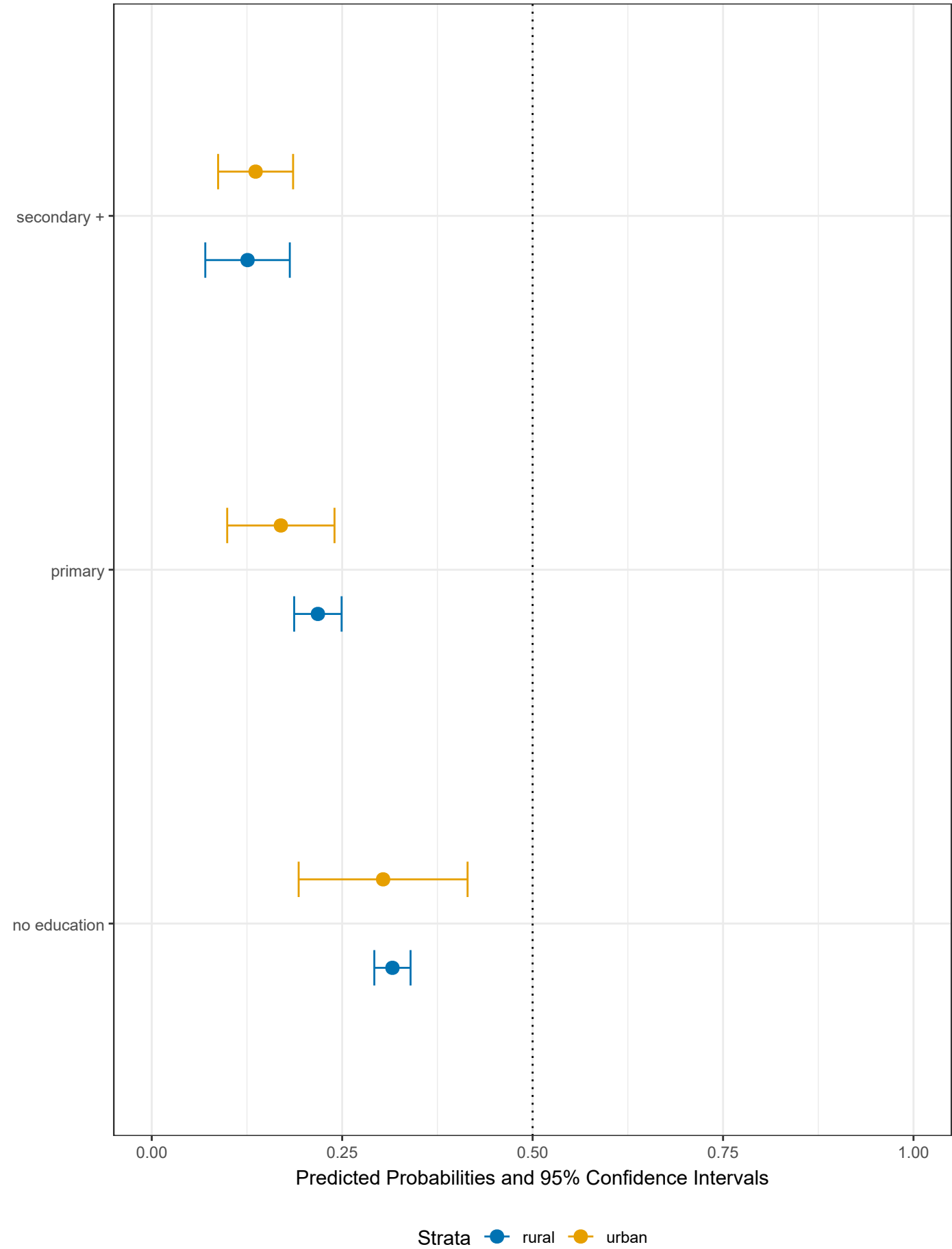
Survey weighted distribution of health outcome: Underweight Last

rural sample size = 4845

Yes	1521 | 20.0%
No	3324 | 50.8%
*NA	2150 | 29.1%

urban sample size = 1256

Yes	239 | 11.7%
No	1017 | 51.1%
*NA	856 | 37.2%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315 | 3.1%
primary	1681 | 26.5%
no education	4999 | 70.4%

urban sample size = 2112

secondary +	814 | 39.5%
primary	733 | 33.6%
no education	565 | 26.9%
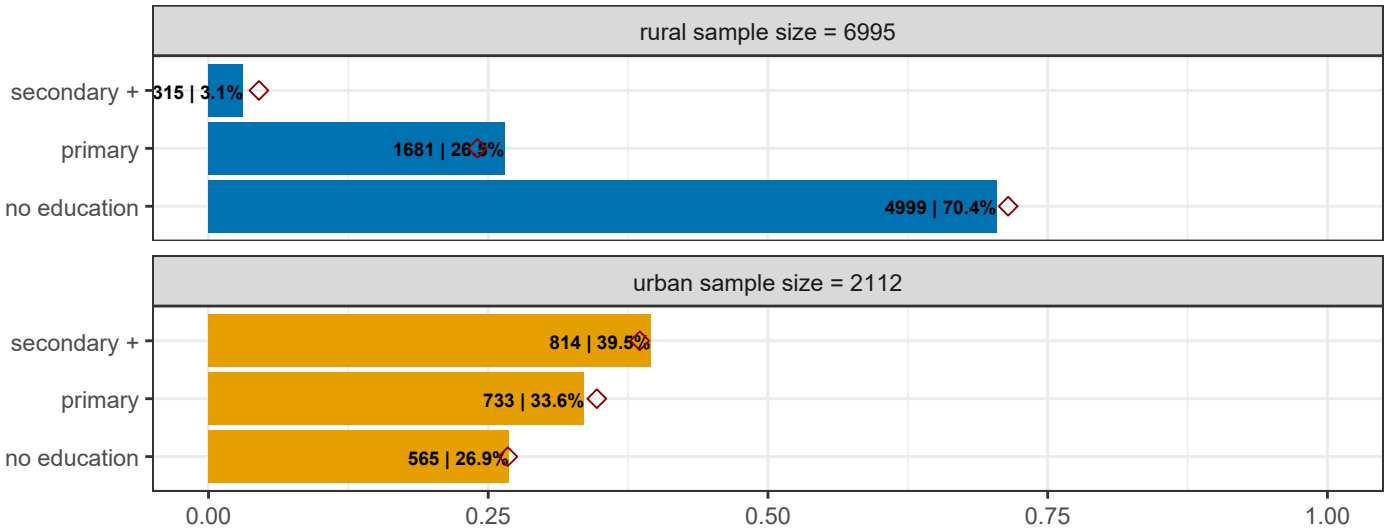
Binary Outcome variable: undwgt.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.31*** [0.19, 0.52]	0.36*** [0.21, 0.61]
primary	0.6*** [0.5, 0.73]	0.47* [0.22, 0.97]
no education	Ref	Ref

Diarrhea 2 Weeks Last ~ Education Level
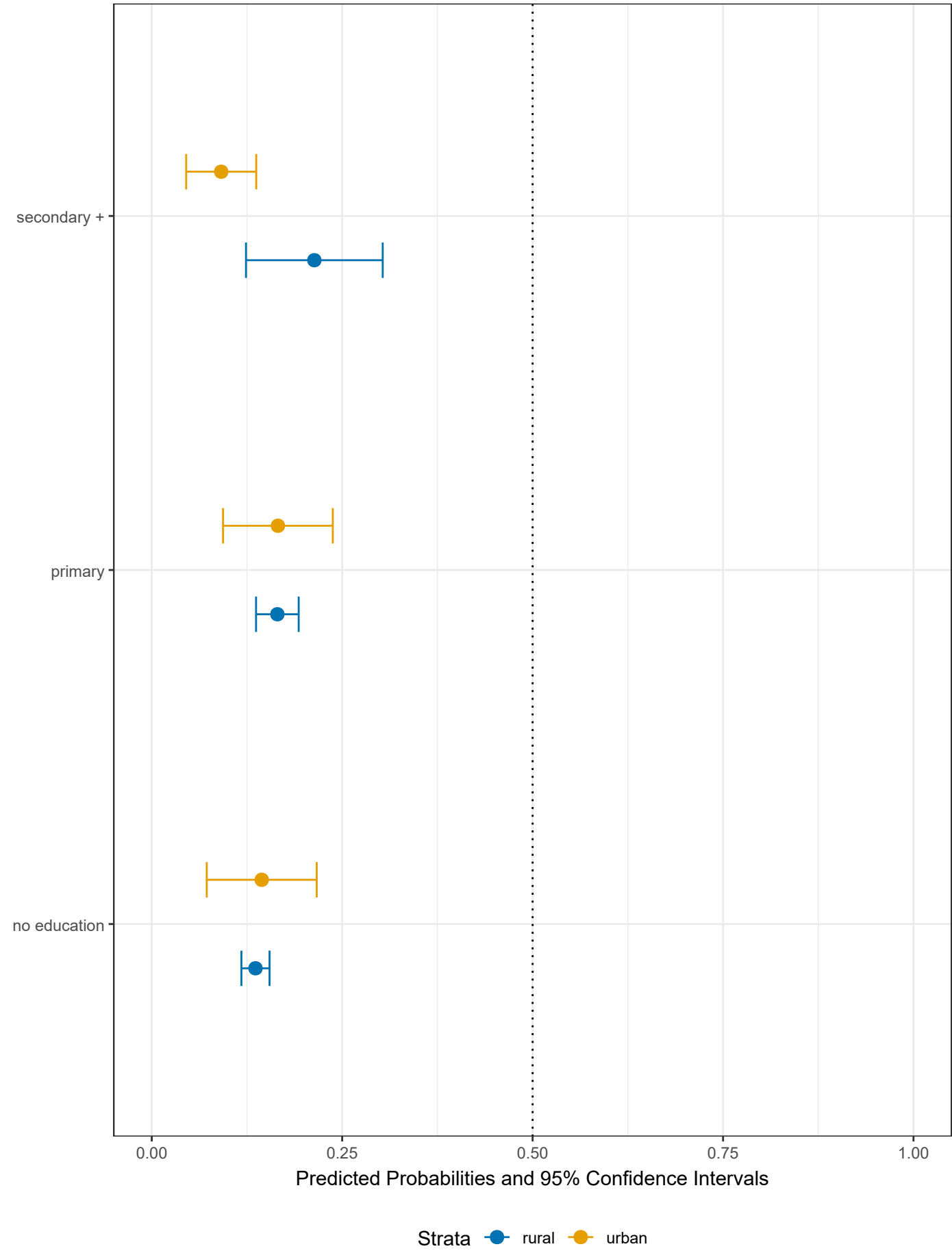
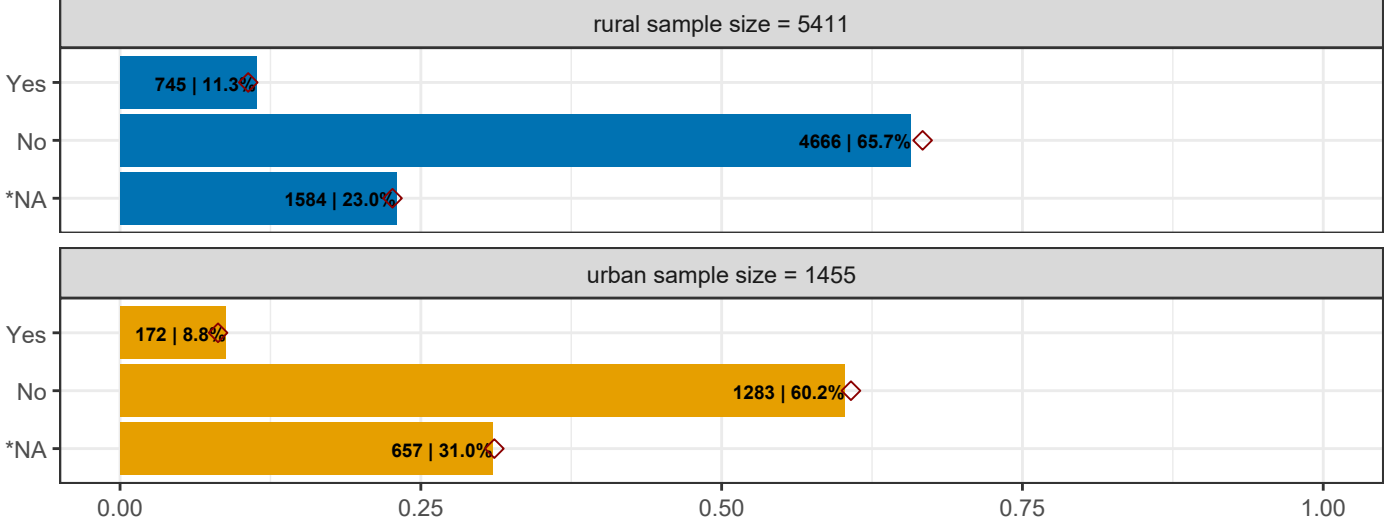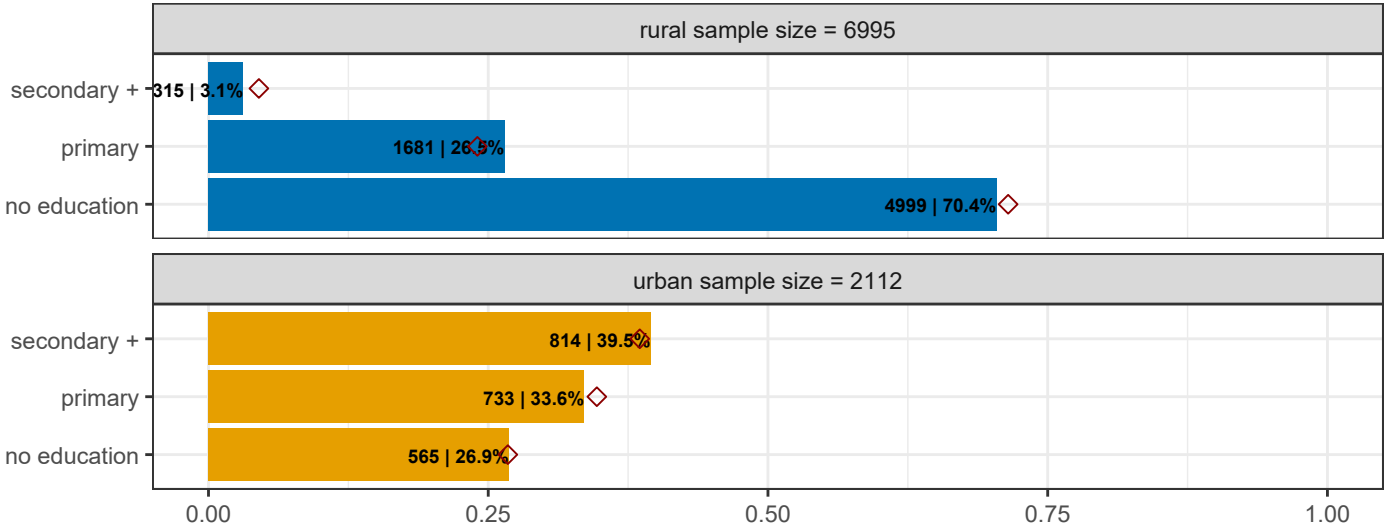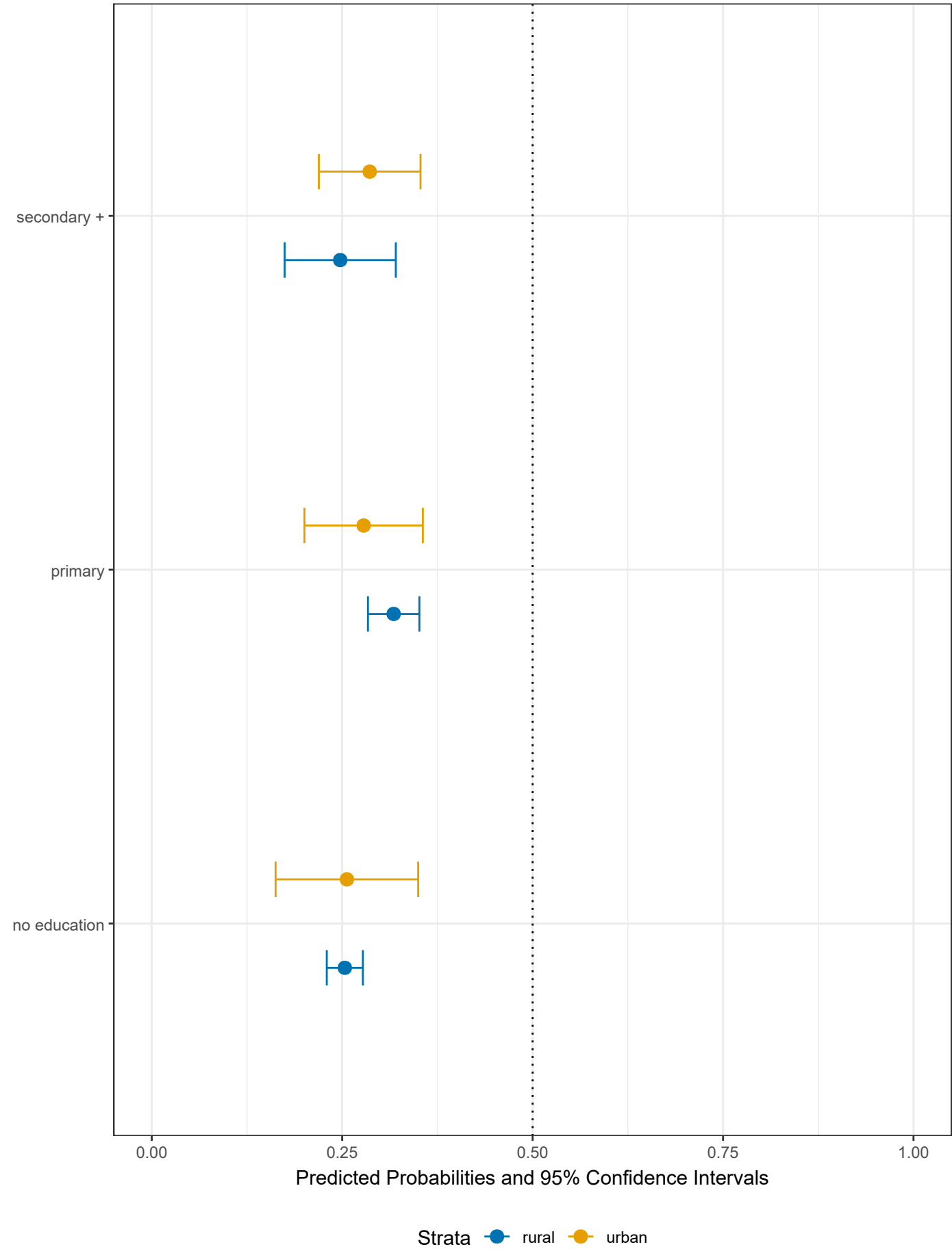Survey weighted distribution of health outcome: Diarrhea 2 Weeks Last

rural sample size = 5411

Yes	745 | 11.3%
No	4666 | 65.7%
*NA	1584 | 23.0%

urban sample size = 1455

Yes	172 | 8.8%
No	1283 | 60.2%
*NA	657 | 31.0%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315 | 3.1%
primary	1681 | 26.5%
no education	4999 | 70.4%

urban sample size = 2112

secondary +	814 | 39.5%
primary	733 | 33.6%
no education	565 | 26.9%

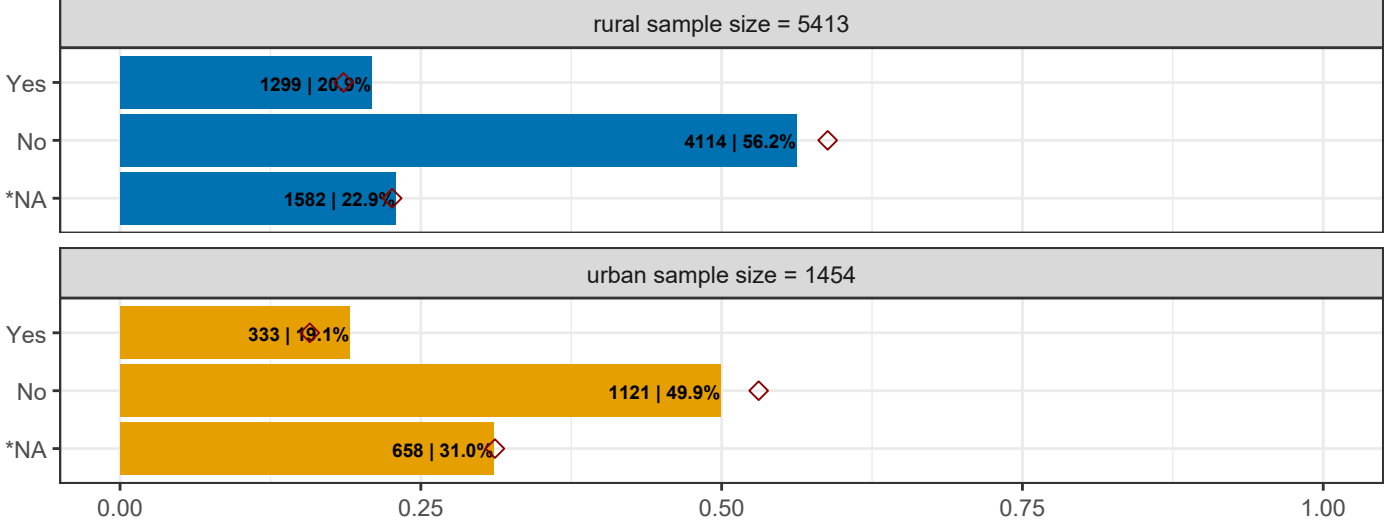**Binary Outcome variable: diarrhea.2wks.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	1.72 [0.99, 3.01]	0.59 [0.3, 1.18]
primary	1.25 [0.98, 1.61]	1.18 [0.56, 2.49]
no education	Ref	Ref

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

Fever / Cough 2 Weeks Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

Survey weighted distribution of health outcome: Fever / Cough 2 Weeks Last

rural sample size = 5413

Yes	1299	20.9%
No	4114	56.2%
*NA	1582	22.9%

urban sample size = 1454

Yes	333	19.1%
No	1121	49.9%
*NA	658	31.0%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

urban sample size = 2112

secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%

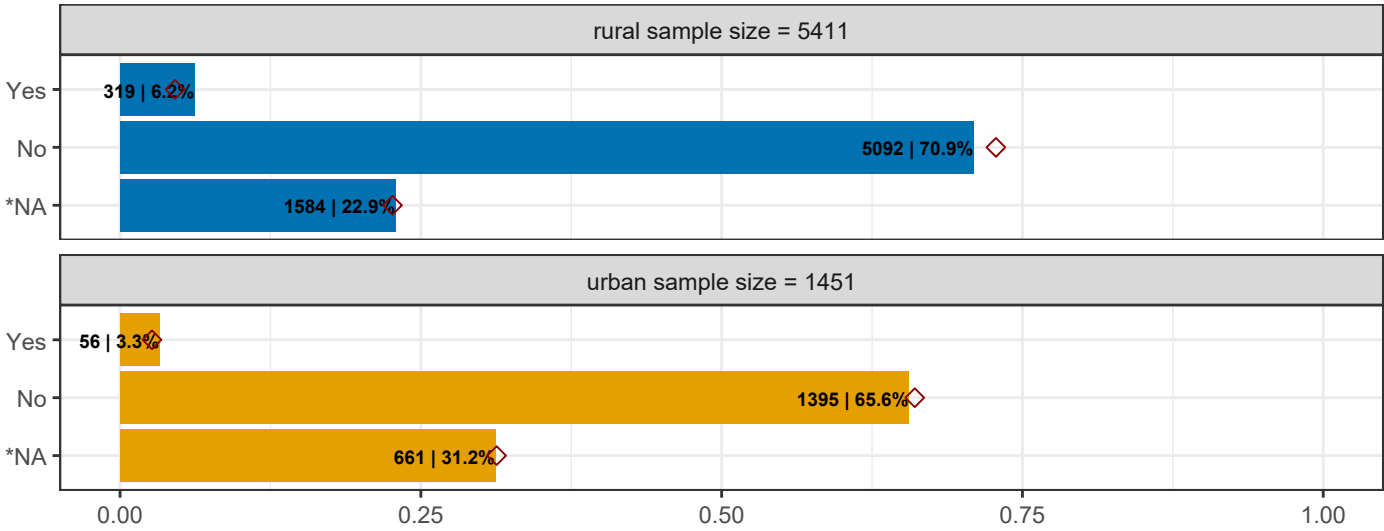**Binary Outcome variable: fever.cough.2wks.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.97 [0.64, 1.47]	1.16 [0.63, 2.14]
primary	1.37*** [1.15, 1.63]	1.12 [0.59, 2.12]
no education	Ref	Ref

Acute Respitory Illness Last ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban

Survey weighted distribution of health outcome: Acute Respitory Illness Last

rural sample size = 5411	
Yes	319	6.2%
No	5092	70.9%
*NA	1584	22.9%

urban sample size = 1451	
Yes	56	3.3%
No	1395	65.6%
*NA	661	31.2%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995	
secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

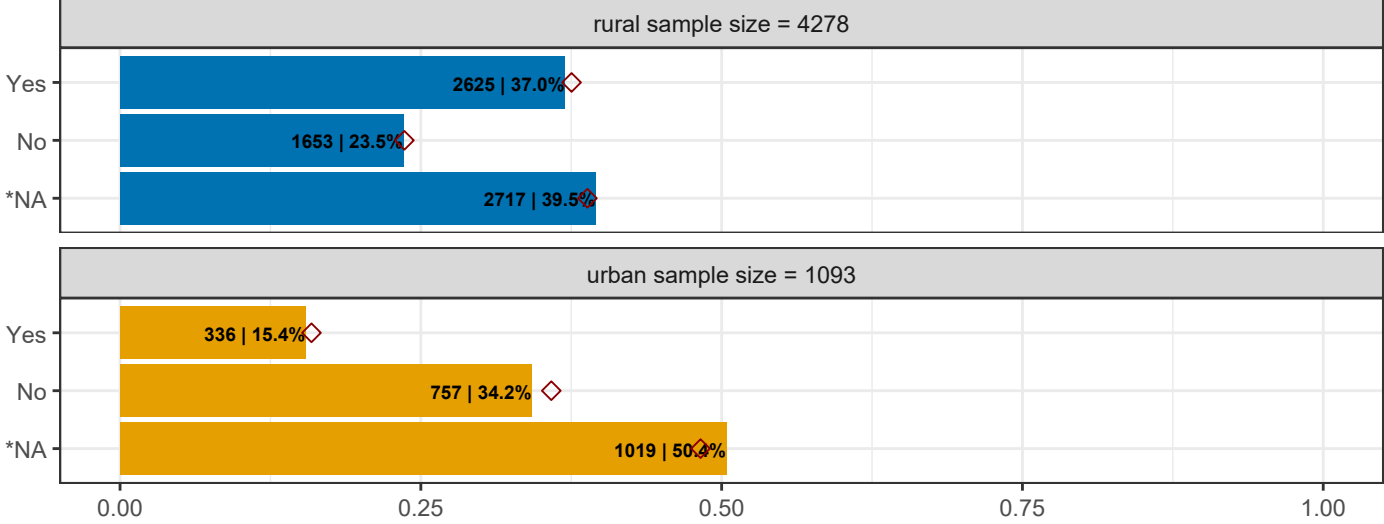| urban sample size = 2112	
secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%

Binary Outcome variable: ari.last and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.7 [0.3, 1.6]	0.56 [0.22, 1.45]
primary	1.06 [0.78, 1.44]	0.44 [0.13, 1.44]
no education	Ref	Ref

DPT Immz Y/N ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata: ● rural ● urban
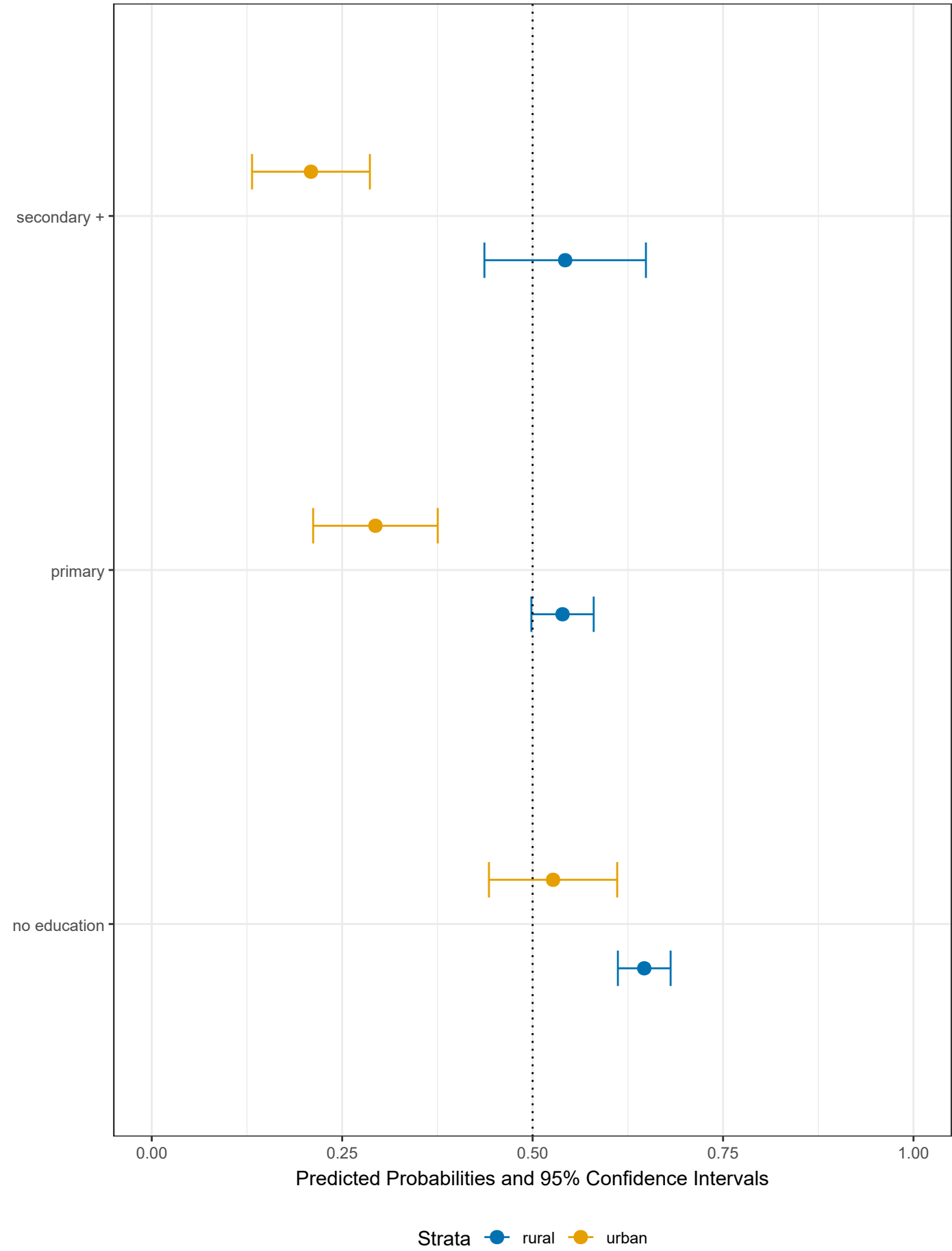
Survey weighted distribution of health outcome: DPT Immz Y/N

rural sample size = 4278

Yes	2625	37.0%
No	1653	23.5%
*NA	2717	39.5%

urban sample size = 1093

Yes	336	15.4%
No	757	34.2%
*NA	1019	50.4%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary +	315	3.1%
primary	1681	26.5%
no education	4999	70.4%

urban sample size = 2112

secondary +	814	39.5%
primary	733	33.6%
no education	565	26.9%

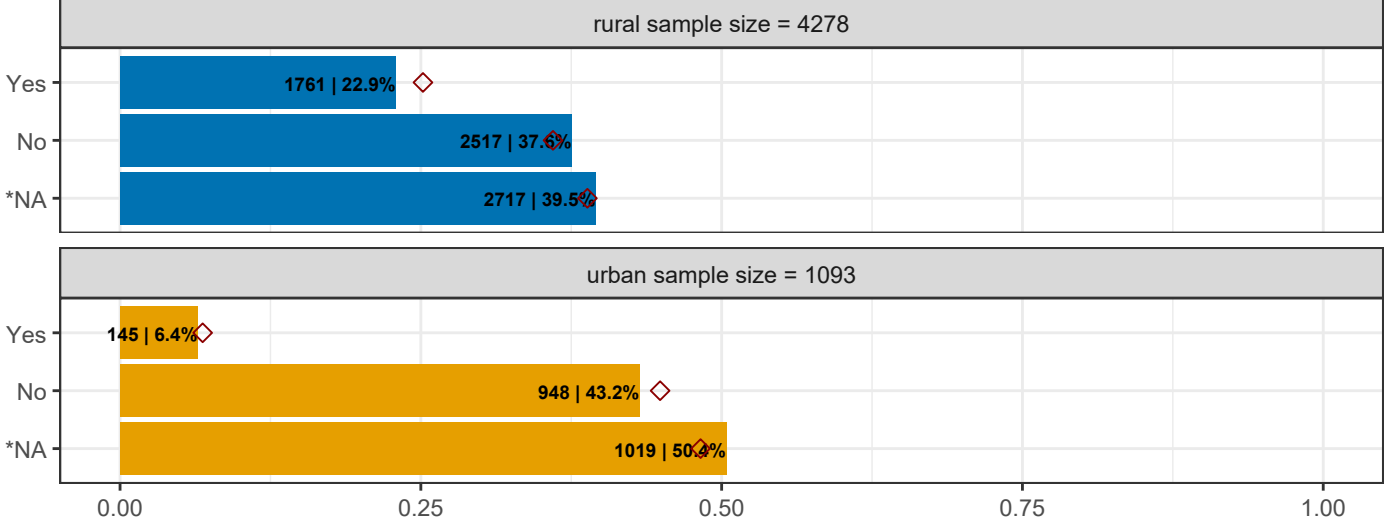**Binary Outcome variable: dpt.full.yn and categorical Vulnerability variable: ed.level. Odds ratio displayed.**

var	rural	urban
secondary +	0.65 [0.41, 1.02]	0.24*** [0.14, 0.41]
primary	0.64*** [0.54, 0.77]	0.37*** [0.22, 0.63]
no education	Ref	Ref

Zero Dose Immz Y/N ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata: ● rural ● urban
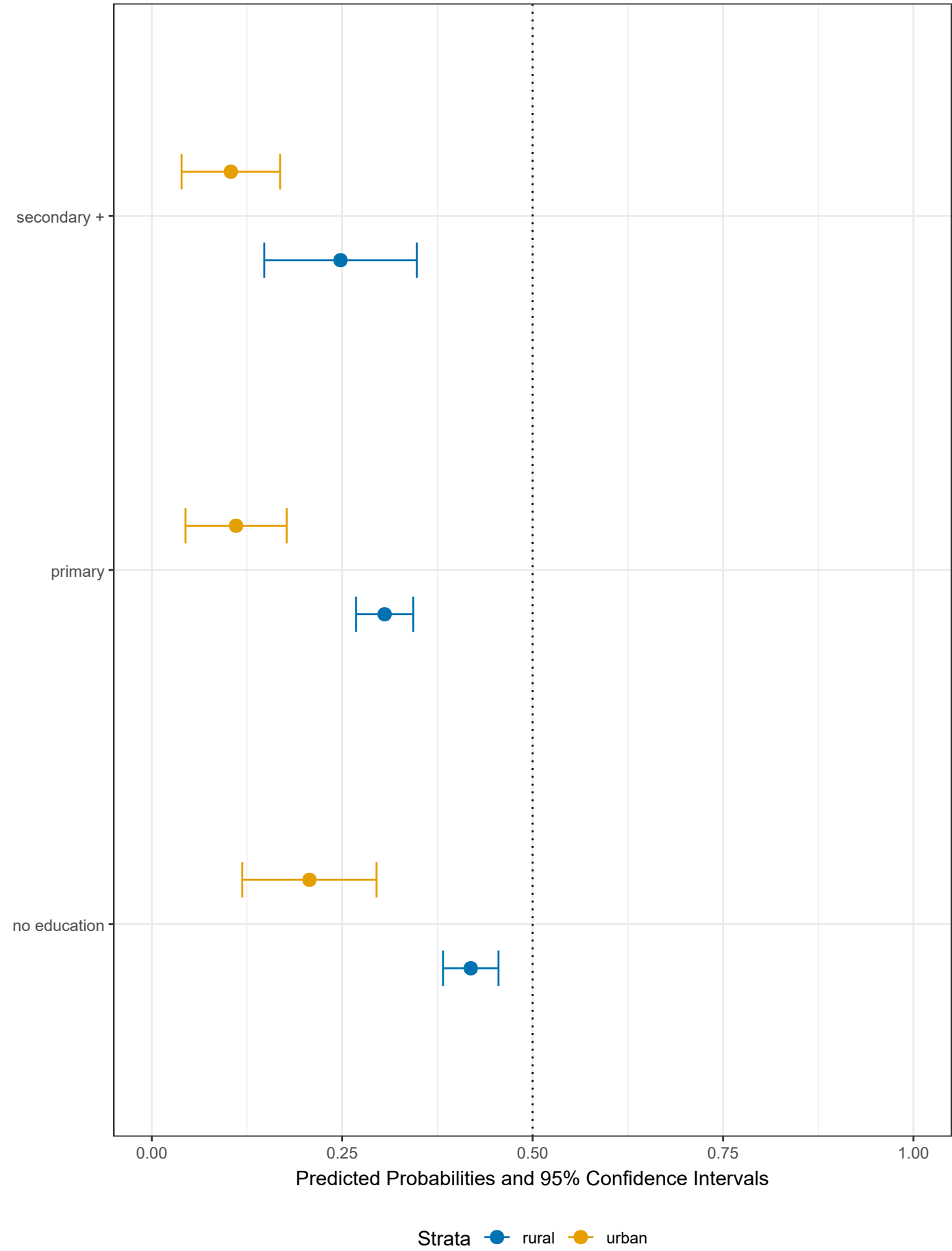
Survey weighted distribution of health outcome: Zero Dose Immz Y/N

rural sample size = 4278

- Yes: 1761 | 22.9%
- No: 2517 | 37.6%
- *NA: 2717 | 39.5%

urban sample size = 1093

- Yes: 145 | 6.4%
- No: 948 | 43.2%
- *NA: 1019 | 50.4%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

- secondary +: 315 | 3.1%
- primary: 1681 | 26.5%
- no education: 4999 | 70.4%

urban sample size = 2112

- secondary +: 814 | 39.5%
- primary: 733 | 33.6%
- no education: 565 | 26.9%

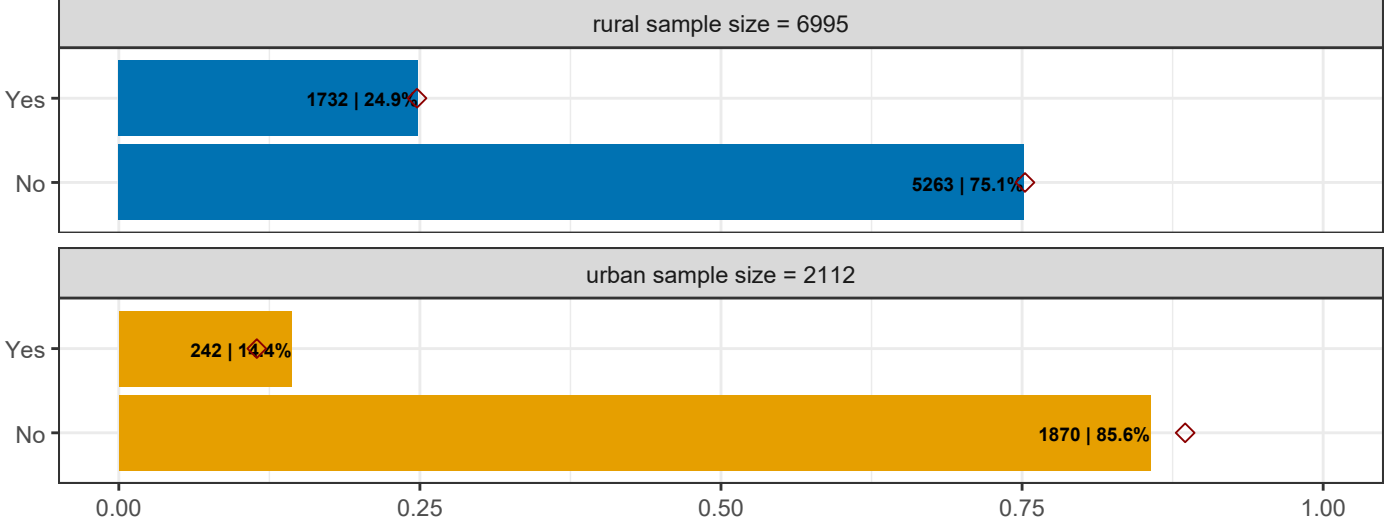Binary Outcome variable: zerodose.yn and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.46** [0.26, 0.8]	0.44 [0.18, 1.09]
primary	0.61*** [0.51, 0.73]	0.48 [0.2, 1.11]
no education	Ref	Ref

U1 Mortality Y/N ~ Education Level

Predicted Probabilities and 95% Confidence Intervals

Strata: rural, urban
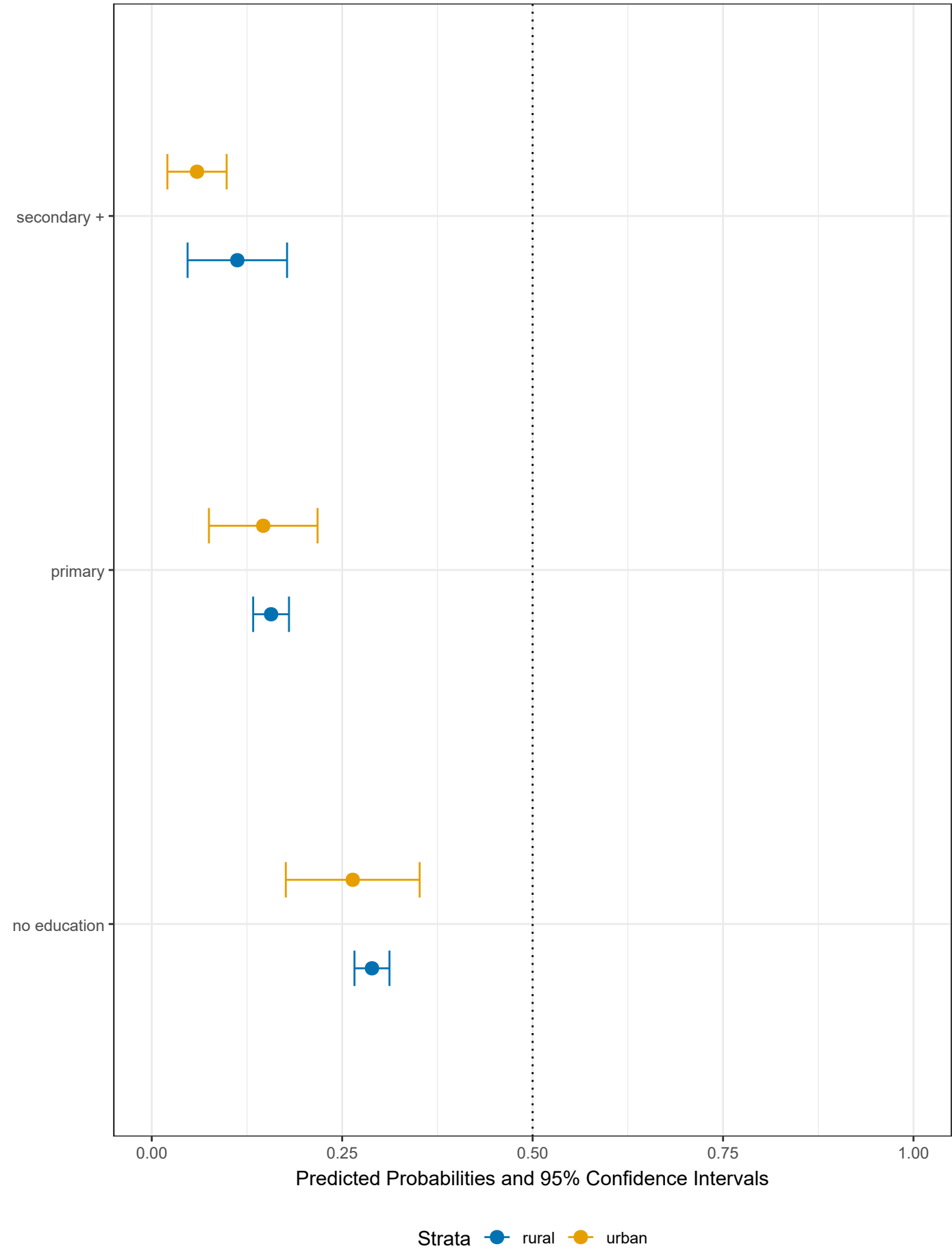
Survey weighted distribution of health outcome: U1 Mortality Y/N

rural sample size = 6995
- Yes: 1732 | 24.9%
- No: 5263 | 75.1%

urban sample size = 2112
- Yes: 242 | 14.4%
- No: 1870 | 85.6%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995
- secondary +: 315 | 3.1%
- primary: 1681 | 26.5%
- no education: 4999 | 70.4%

urban sample size = 2112
- secondary +: 814 | 39.5%
- primary: 733 | 33.6%
- no education: 565 | 26.9%

Binary Outcome variable: u1mort.yn and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.31*** [0.16, 0.6]	0.18*** [0.08, 0.39]
primary	0.46*** [0.37, 0.56]	0.48* [0.25, 0.92]
no education	Ref	Ref

U5 Mortality Y/N ~ Education Level

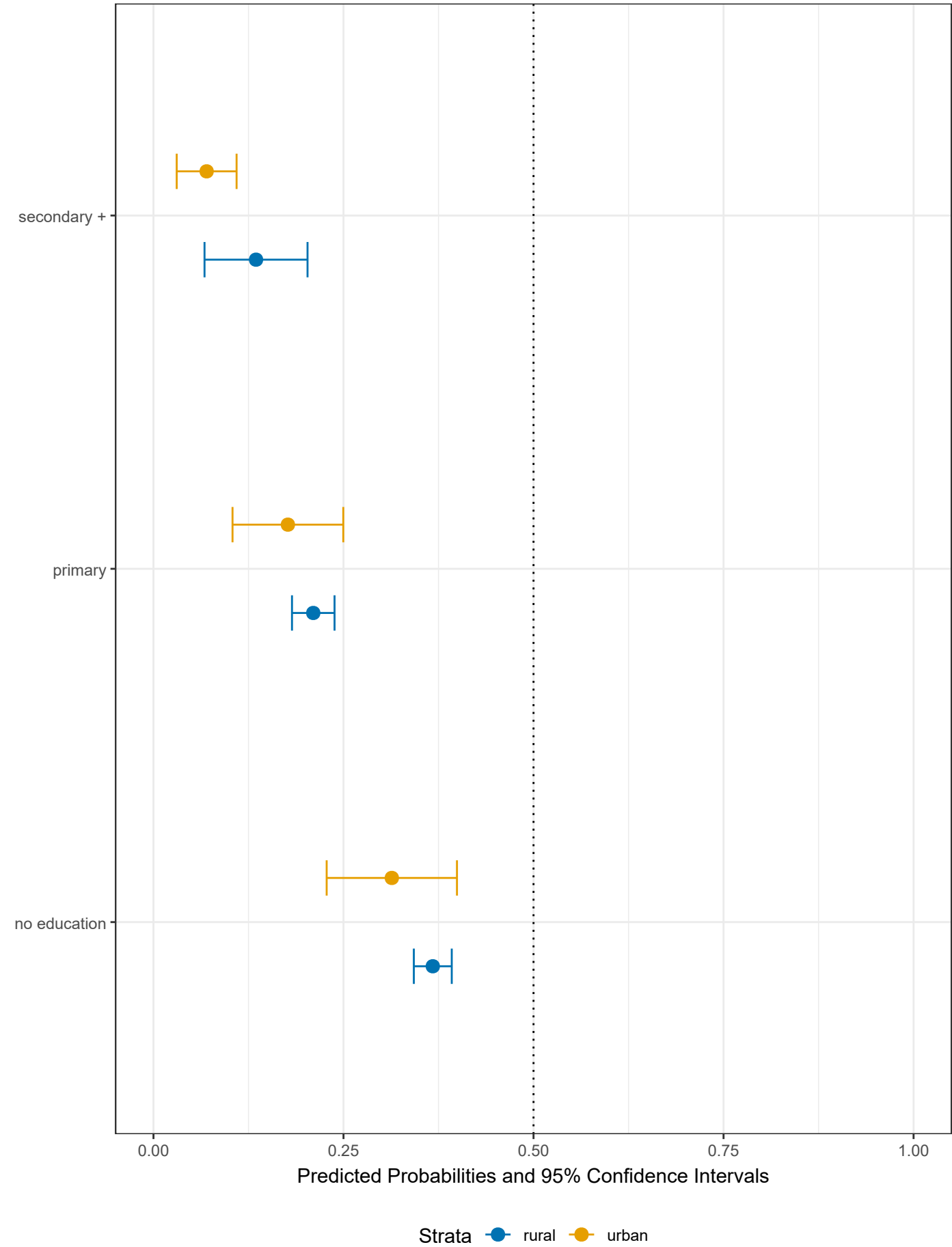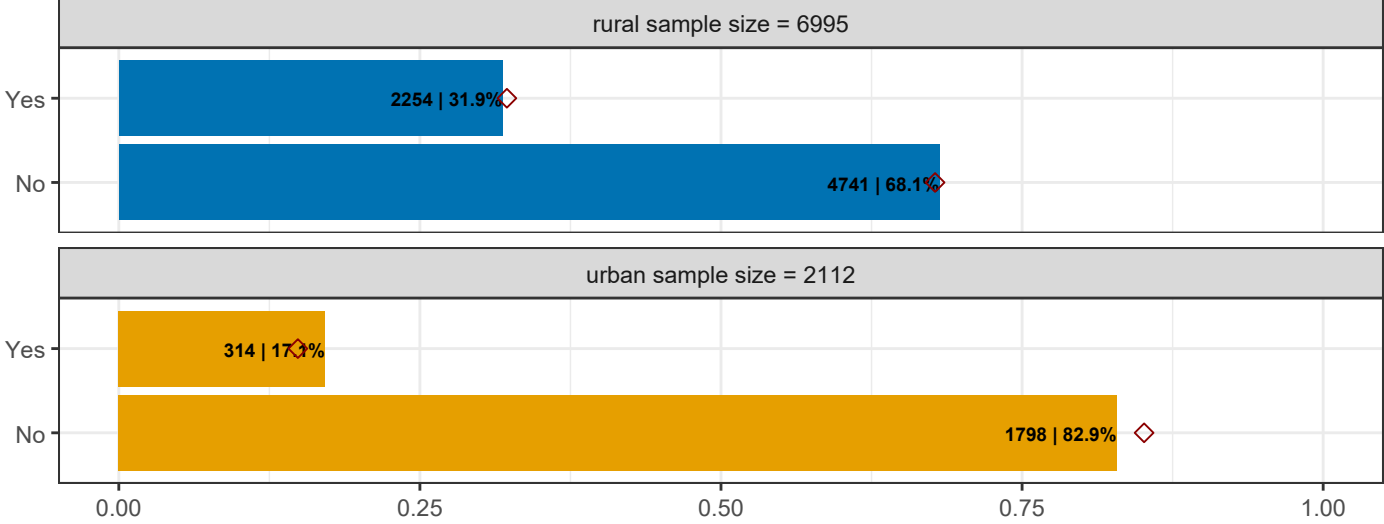### Survey weighted distribution of health outcome: U5 Mortality Y/N

rural sample size = 6995

Yes 2254 | 31.9%
No 4741 | 68.1%

urban sample size = 2112

Yes 314 | 17.1%
No 1798 | 82.9%

Survey weighted distribution of vulnerability variable: Education Level

rural sample size = 6995

secondary + 315 | 3.1%
primary 1681 | 26.5%
no education 4999 | 70.4%

urban sample size = 2112

secondary + 814 | 39.5%
primary 733 | 33.6%
no education 565 | 26.9%
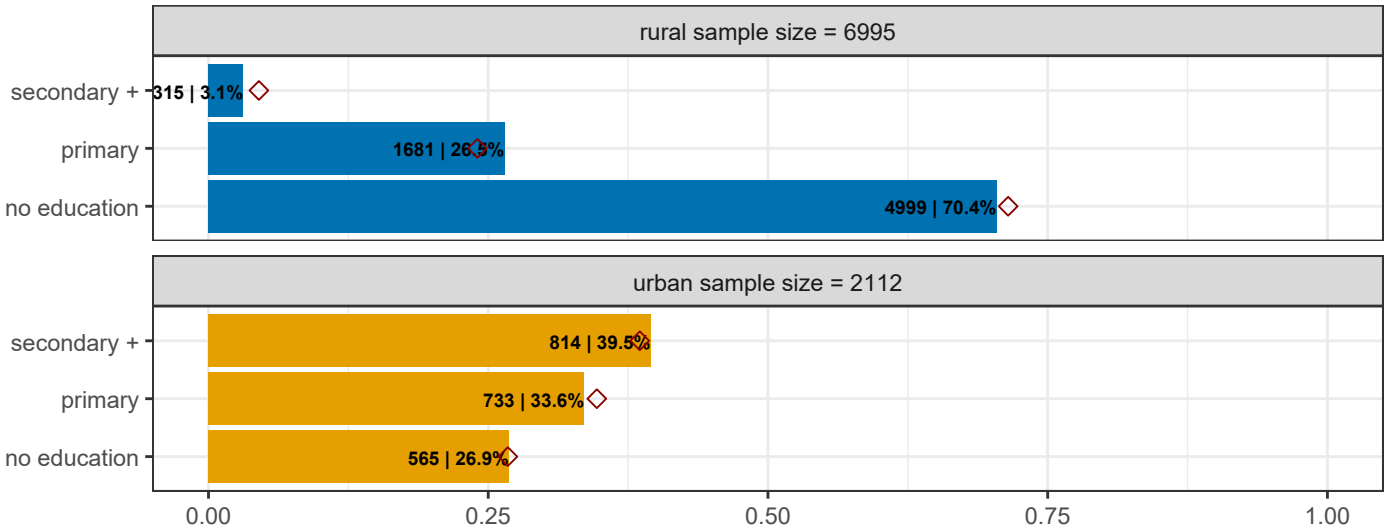
Binary Outcome variable: u5mort.yn and categorical Vulnerability variable: ed.level. Odds ratio displayed.

var	rural	urban
secondary +	0.27*** [0.15, 0.48]	0.16*** [0.08, 0.34]
primary	0.46*** [0.37, 0.56]	0.47* [0.26, 0.85]
no education	Ref	Ref

Predicted Probabilities and 95% Confidence Intervals

Strata ● rural ● urban