

Appendix Table 1: Income Prediction Regression (Indonesia)

	(1) Log per-capita consumption
Household head age \leq 30	0.045*** (0.005)
Household head age 30-50	0.032*** (0.004)
Household head is male	0.122*** (0.007)
Household head is married	-0.137*** (0.007)
Household size: 1-2 people	0.440*** (0.007)
Household size: 3-4 people	0.153*** (0.004)
Household has 1 dependent child	-0.116*** (0.004)
Household has 2 dependent children	-0.245*** (0.005)
Household has 3 or more dependent children	-0.340*** (0.007)
Household has dependent over age 65	-0.124*** (0.004)
Highest education of HH head: elementary	0.036*** (0.004)
Highest education of HH head: junior high	0.078*** (0.005)
Highest education of HH head: high school	0.147*** (0.006)
Highest education of HH head: tertiary	0.282*** (0.010)
Highest education of anyone in HH: elementary	0.028*** (0.006)
Highest education of anyone in HH: junior high	0.036*** (0.006)
Highest education of anyone in HH: high school	0.039*** (0.007)
Highest education of anyone in HH: tertiary	0.188*** (0.009)
Household has 1 child in tertiary educ.	0.124*** (0.007)
Household has 2 children in tertiary educ.	0.177*** (0.020)
Household has 3 children in tertiary educ.	0.115*** (0.043)
Household head works in agricultural sector	-0.091*** (0.004)
Household head works in industry sector	-0.031*** (0.004)
Household head is self-employed	0.062*** (0.005)
Household head is self-employed w/ unpaid employees	0.033*** (0.005)
Household head is self-employed w/ paid employees	0.281*** (0.008)
Household head is an employee	0.073*** (0.005)
Household head an unpaid family worker	-0.006 (0.014)
Roof type: concrete or roof tile	-0.039***

	(0.006)
Roof type: shingle (sirap)	0.078***
	(0.006)
Roof type: zinc	0.082***
	(0.008)
Roof type: asbestos	0.168***
	(0.011)
Wall type: cement	0.124***
	(0.005)
Wall type: wood	0.093***
	(0.005)
Household has non-soil floor	0.097***
	(0.005)
House is owned	0.027***
	(0.008)
House is rented	0.028***
	(0.009)
House is rented/occupied for free	0.024**
	(0.012)
House is official residence	0.013
	(0.009)
Drinking water source: mineral/bottle	0.237***
	(0.007)
Drinking water source: tap/plubming	0.059***
	(0.007)
Drinking water source: drill/pump	0.040***
	(0.005)
Drinking water source: protected well	-0.015***
	(0.004)
Drinking water source: unprotected well	0.003
	(0.005)
Household pays for drinking water	0.015***
	(0.006)
Household has private toilet	0.065***
	(0.004)
Household uses shared/public toilet	0.027***
	(0.005)
Household has septic tank	0.041***
	(0.004)
Electricity from PLN with meter	0.027***
	(0.006)
Electricity from PLN without meter	-0.043***
	(0.006)
Non-PLN electricity	0.148***
	(0.007)
Household has refrigerator	0.207***
	(0.004)
Household has 12kg+ gas tube	0.133***
	(0.004)
Household has a motorcycle	0.173***
	(0.003)
Household has a bicycle	-0.002
	(0.003)
Household in urban area	0.035***
	(0.004)
Village has asphalt road	-0.020***
	(0.004)
Village has senior high school	0.010***
	(0.003)
Village has junior high school	0.001
	(0.003)
Village has elementary school	-0.041***

	(0.007)
Village has <i>puskesmas</i> health facility	0.016***
	(0.004)
Village has <i>polindes</i> health facility	-0.029***
	(0.003)
Village has doctor	0.027***
	(0.004)
Village has bidan/midwife	-0.029***
	(0.003)
Village has post office	0.053***
	(0.005)
Village has credit facility	-0.011***
	(0.003)
Dist. to nearest city center: 2nd quartile	-0.020***
	(0.004)
Dist. to nearest city center: 3rd quartile	-0.001
	(0.004)
Dist. to nearest city center: 4th quartile	0.080***
	(0.004)
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Observations	115231
R^2	0.535
Control Mean	13.063
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Note: This table presents the training regression used to predict household income (for Indonesia) in Figures 3-7. Omitted categories are the following dummies: head of household aged 51+; household size greater than 4; head of household has no education; head of household is working; head of household works in service sector; head of household is freelance/casual laborer; house is owned by family/relatives; roof type: thatch or other; wall type: bamboo or other; drinking water source: river, rain, or other; lighting: candles, gas, or other; household has no toilet; distance to nearest city center: 1st quartile. Robust standard errors in parentheses.

* $p < 0.1$ ** $p < 0.05$ *** $p < 0.01$.

Appendix Table 2: Income Prediction Regression (Peru)

	(1) Log per-capita consumption
1-2 household members per room	-0.242*** (0.008)
2-4 household members per room	-0.350*** (0.010)
4-6 household members per room	-0.429*** (0.015)
6+ household members per room	-0.505*** (0.023)
Household has electricity	0.071*** (0.011)
Household has telephone	0.055*** (0.008)
1 of 5 luxury goods owned	0.160*** (0.009)
2 of 5 luxury goods owned	0.245*** (0.011)
3 of 5 luxury goods owned	0.330*** (0.013)
4 of 5 luxury goods owned	0.418*** (0.016)
5 of 5 luxury goods owned	0.562*** (0.018)
Household uses wood fuel for cooking	0.064*** (0.011)
Household uses coal fuel for cooking	0.252*** (0.021)
Household uses kerosene fuel for cooking	0.259*** (0.046)
Household uses gas fuel for cooking	0.312*** (0.013)
Household uses electricity for cooking	0.648*** (0.040)
Household does not cook	0.472*** (0.028)
Water source: river	-0.086*** (0.018)
Water source: well	-0.041* (0.022)
Water source: water truck	0.100*** (0.027)
Water source: pylon	-0.029 (0.025)
Water source: public network outside HH	0.059** (0.029)
Water source: public network inside HH	-0.027 (0.016)
Drainage source: none	-0.149*** (0.039)
Drainage source: river	-0.111*** (0.042)
Drainage source: cesspool	-0.108*** (0.038)
Drainage source: septic tank	-0.128*** (0.038)
Drainage source: public network outside HH	-0.079* (0.046)
Drainage source: public network inside HH	-0.068*

	(0.038)
Wall type: wood or mat	0.075***
	(0.017)
Wall type: stone or mud	-0.136***
	(0.033)
Wall type: <i>quincha</i>	0.020
	(0.023)
Wall type: <i>tapia</i> (rammed earth)	-0.176***
	(0.018)
Wall type: adobe	-0.123***
	(0.016)
Wall type: stone with lime or cement	-0.053
	(0.045)
Wall type: brick or cement block	-0.030*
	(0.017)
Roof type: straw	-0.141***
	(0.030)
Roof type: mat	0.023
	(0.037)
Roof type: iron or cane	-0.001
	(0.027)
Roof type: tile	-0.072**
	(0.028)
Roof type: wood	0.003
	(0.035)
Roof type: concrete	-0.033
	(0.028)
Floor type: earth	-0.073**
	(0.033)
Floor type: cement	0.061*
	(0.034)
Floor type: wood	0.047
	(0.034)
Floor type: tile	0.195***
	(0.036)
Floor type: sheet metal	0.222***
	(0.038)
Floor type: parquet	0.334***
	(0.040)
Highest education of HH head: pre-school	0.015
	(0.277)
Highest education of HH head: primary	0.079***
	(0.014)
Highest education of HH head: secondary	0.158***
	(0.015)
Highest education of HH head: tertiary (non-univ.)	0.239***
	(0.017)
Highest education of HH head: tertiary (univ.)	0.321***
	(0.019)
Highest education of HH head: post-graduate	0.384***
	(0.040)
Highest education of anyone in HH: none	-0.399***
	(0.038)
Highest education of anyone in HH: primary	-0.240***
	(0.028)
Highest education of anyone in HH: secondary	-0.153***
	(0.027)
Highest education of anyone in HH: tertiary (non-univ.)	-0.105***
	(0.027)
Highest education of anyone in HH: tertiary (univ.)	-0.081***
	(0.026)
1 HH member affiliated w/ health insurance	0.052***

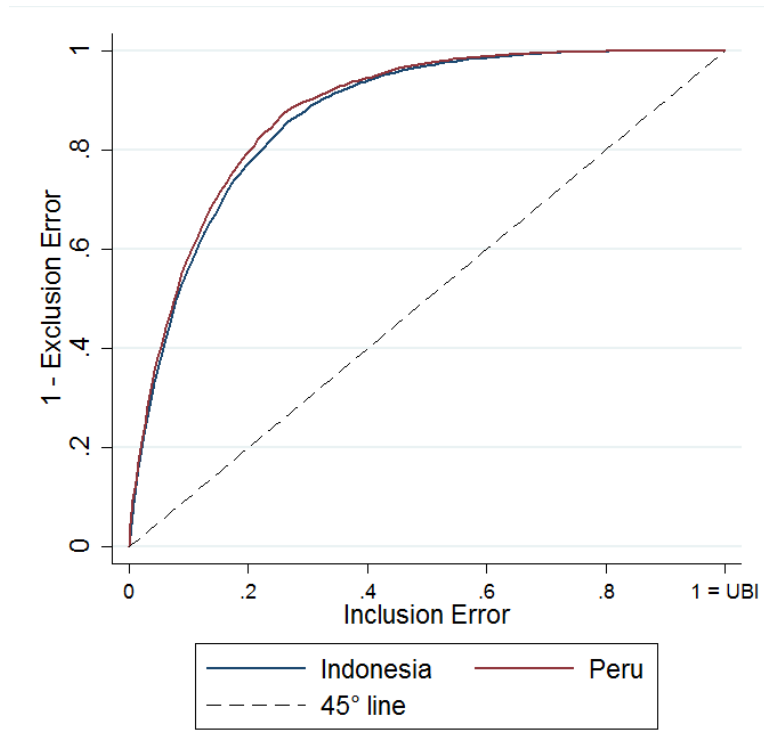
	(0.011)
2 HH members affiliated w/ health insurance	-0.061***
	(0.011)
3 HH members affiliated w/ health insurance	-0.115***
	(0.010)
4+ HH members affiliated w/ health insurance	-0.234***
	(0.010)
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Observations	22674
R^2	0.656
Control Mean	5.854
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Note: This table presents the training regression used to predict household income (for Peru) in Figures 3-7. Omitted categories are the following dummies: less than 1 household member per room; 0 of 5 luxury goods owned; other type of fuel used for cooking; water source: other; drainage source: other; wall type: other; roof type: other; floor type: other; head of household has no education; 0 household members affiliated to health insurance. “Luxury goods” are a specified list of 5 items: Internet connection, cable connection, computer, refrigerator, and washing machine. Robust standard errors in parentheses.

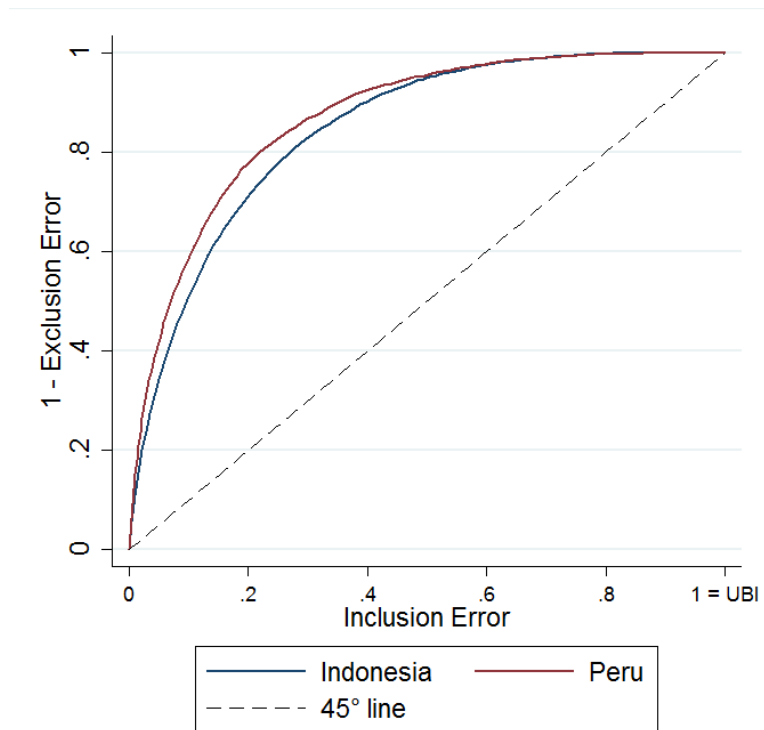
* $p < 0.1$ ** $p < 0.05$ *** $p < 0.01$.

Appendix Figure 1: ROC Curves for Extreme-Poor, Poor, and Near-Poor Targeting

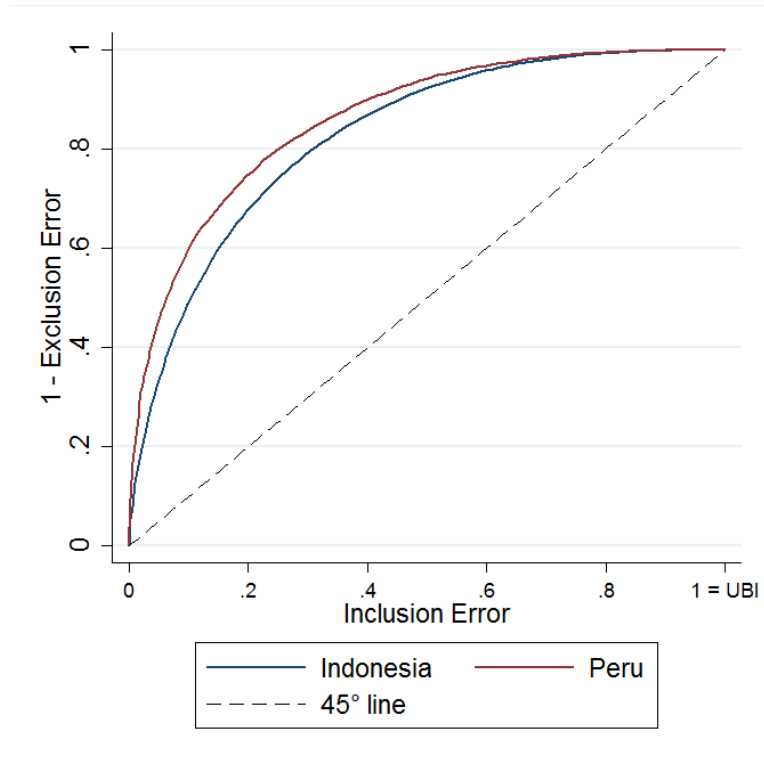
Panel A: Extreme-Poor Targeting (0.75x Poverty Line)



Panel B: Poverty-Line Targeting



Panel C: Near-Poor Targeting (1.5x Poverty Line)



Note: The above figures represent alternate versions of Figure 4, Panel A, for varying levels of poverty targeting. Panels A, B, and C present ROC curves corresponding to 0.75x, 1.0x, and 1.5x the government poverty line, respectively, for both Indonesia and Peru.