Cash Plus, Safety Plus? Intimate Partner Violence and Productive Inclusion in Mauritania

Balance test and attrition

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# Introduction:

Governments around the world have expanded cash transfer programs to reach households living in poverty or food insecurity.

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| Geographic coverage of the productive inclusion pilot and impact evaluation in Mauritania. |

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# Balance

The balance tables examine whether the participation to the survey is evenly distributed across treatment groups. Ensuring balance is essential to confirm the validity of randomization and to minimize potential confounding effects.

## Tekavoul program

The following table presents the balance test for recipients of cash transfers only. It is performed by comparing the control group of the pi (which received only the traditional cash transfer from the *Tekavoul* program) to the remaining surveyed individuals who did not receive any cash transfer.

| **Table : Balance Table** | | | |
| --- | --- | --- | --- |
| Variable | \*\*Control\*\*  N = 531 | \*\*Cash Assignment\*\*  N = 971 | (1)-(2) |
| Benef. is HH head | 0.52(0.50) | 0.57(0.50) | 0.242\* |
| Benef. is handicapped | 0.02(0.15) | 0.03(0.17) | 0.244 |
| Female (hh. head) | 0.56(0.50) | 0.58(0.49) | 0.148 |
| Female (benef.) | 0.96(0.20) | 0.99(0.11) | 1.016\*\* |
| Polygamy (hh. head) | 0.07(0.25) | 0.06(0.24) | -0.122 |
| Polygamy (benef.) | 0.05(0.21) | 0.04(0.20) | -0.197 |
| Age (Hh. head) | 52.04(14.16) | 52.25(15.20) | 0.001 |
| Age (benef.) | 44.66(16.15) | 46.89(15.55) | 0.009\*\* |
| Age gap (hh. head - benef.) | 7.37(11.80) | 5.35(9.98) | -0.017\*\* |
| Education (years, HH head) | 0.65(2.17) | 0.58(1.89) | -0.014 |
| Education (years, benef.) | 0.60(1.83) | 0.40(1.33) | -0.071\* |
| Primary education (0/1, H-hh. head) | 0.03(0.17) | 0.02(0.15) | -0.243 |
| Primary education (0/1, benef.) | 0.02(0.14) | 0.01(0.08) | -0.98\*\* |
| Literate (hh. head) | 0.23(0.42) | 0.23(0.42) | -0.07 |
| Literate (benef.) | 0.20(0.40) | 0.15(0.36) | -0.411\*\*\* |
| Control over earnings | -0.02(1.00) | 0.01(1.00) | 0.035 |
| Control over hh. resources | -0.08(1.01) | 0.04(0.99) | 0.127\*\* |
| Intra hh. dynamics index | -0.07(1.08) | 0.03(0.97) | 0.114\*\* |
| Benef. share of total hh. rev. | 0.49(0.43) | 0.47(0.44) | -0.011 |
| Household size | 8.31(5.76) | 7.74(4.91) | -0.019 |
| No. of rooms in house | 1.94(1.24) | 1.83(1.17) | -0.079 |
| Minutes to health center | 49.19(47.64) | 55.19(52.90) | 0.002 |
| Minutes to market | 51.26(56.37) | 60.43(64.89) | 0.002 |
| Minutes to water source | 21.29(29.54) | 26.54(31.85) | 0.005\*\*\* |
| N cluster | 43 | 43 |  |
| N strata | 10 | 10 |  |
| Notes: Standard errors for all tests are clustered at the Social Promotion Space level level. Fixed effects using randomization strata are included in all estimation regressions. The joint F-test shows the p-value from a test of equality of treatment arms. While the pooled F-test shows the p-value from a test of pooled treatment (i.e., a regression with a dummy for any treatment arm). \*\*\* p < 0.01, \*\* p < 0.05, \* p < 0.1. | | | |

## Productive inclusion program

This balance table was created by restricting the sample to recipients of cash transfers and productive measures. Specifically, the table includes all households that are among the poorest and are considered for Tekavoul program program, where the beneficiary in the household is aged between 18 and 49.

| **Table : Balance Table** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | \*\*Control\*\*  N = 571 | \*\*Capital\*\*  N = 357 | \*\*Psychosocial\*\*  N = 399 | \*\*Full\*\*  N = 303 | (1)-(2) | (1)-(3) | (1)-(4) | (2)-(3) | (2)-(4) | (3)-(4) | Joint F-test   P-value | Pooled F-test   P-value |
| Benef. is HH head | 0.45(0.50) | 0.55(0.50) | 0.44(0.50) | 0.49(0.50) | -0.387 | 0.052 | -0.173 | 0.439 | 0.218 | -0.215 | 0.95 | 0.163 |
| Benef. is handicapped | 0.02(0.14) | 0.00(0.05) | 0.01(0.09) | 0.01(0.10) | 2.02\* | 1.03 | 0.765 | -1.012 | -1.287 | -0.307 | 0.826 | -1.168\*\* |
| Female (hh. head) | 0.47(0.50) | 0.57(0.50) | 0.47(0.50) | 0.51(0.50) | -0.391 | 0.025 | -0.189 | 0.409 | 0.206 | -0.211 | 0.855 | 0.179 |
| Female (benef.) | 0.99(0.09) | 0.98(0.15) | 0.99(0.10) | 0.98(0.13) | 0.928 | 0.169 | 0.639 | -0.815 | -0.292 | 0.472 | 0.902 | -0.61 |
| Polygamy (hh. head) | 0.06(0.24) | 0.04(0.19) | 0.06(0.24) | 0.06(0.23) | 0.578 | 0.034 | 0.122 | -0.529 | -0.437 | 0.114 | 0.519 | -0.213 |
| Polygamy (benef.) | 0.04(0.20) | 0.03(0.17) | 0.05(0.21) | 0.05(0.21) | 0.306 | -0.116 | -0.104 | -0.401 | -0.409 | 0.014 | 0.353 | -0.015 |
| Age (Hh. head) | 43.81(12.26) | 42.55(11.47) | 43.95(10.68) | 42.61(11.55) | 0.009 | -0.001 | 0.008 | -0.012 | 0 | 0.011 | 0.85 | -0.005 |
| Age (benef.) | 36.20(8.14) | 36.63(8.01) | 36.41(8.16) | 35.90(8.15) | -0.006 | -0.002 | 0.005 | 0.003 | 0.012 | 0.008 | 0.435 | 0.002 |
| Age gap (hh. head - benef.) | 7.61(11.25) | 5.92(10.44) | 7.54(9.55) | 6.71(9.90) | 0.014 | 0 | 0.008 | -0.017 | -0.007 | 0.009 | 0.949 | -0.007 |
| Education (years, HH head) | 0.89(2.29) | 0.69(1.79) | 0.98(2.48) | 0.82(1.87) | 0.046 | -0.017 | 0.016 | -0.064 | -0.042 | 0.031 | 1.066 | -0.012 |
| Education (years, benef.) | 0.64(1.60) | 0.82(1.87) | 0.87(1.91) | 1.04(2.16) | -0.057 | -0.072 | -0.113\*\* | -0.014 | -0.058 | -0.047 | 0.603 | 0.079\* |
| Primary education (0/1, H-hh. head) | 0.04(0.18) | 0.02(0.13) | 0.04(0.18) | 0.02(0.14) | 0.738 | 0.009 | 0.584 | -0.745 | -0.163 | 0.553 | 1.461 | -0.371 |
| Primary education (0/1, benef.) | 0.01(0.08) | 0.01(0.11) | 0.02(0.15) | 0.03(0.17) | -0.466 | -1.114\* | -1.469\*\*\* | -0.69 | -1.003\* | -0.341 | 1.932 | 1.073\*\* |
| Literate (hh. head) | 0.30(0.46) | 0.30(0.46) | 0.32(0.47) | 0.40(0.49) | -0.005 | -0.08 | -0.421\* | -0.083 | -0.432\* | -0.369 | 1.627 | 0.151 |
| Literate (benef.) | 0.20(0.40) | 0.29(0.45) | 0.27(0.44) | 0.32(0.47) | -0.481\*\* | -0.38 | -0.651\*\*\* | 0.091 | -0.182 | -0.29 | 0.563 | 0.49\*\* |
| Control over earnings | 0.00(1.05) | 0.17(1.01) | -0.10(1.04) | -0.04(1.11) | -0.158 | 0.091 | 0.03 | 0.256\* | 0.181 | -0.058 | 1.718 | 0.009 |
| Control over hh. resources | -0.02(0.97) | 0.00(0.91) | -0.15(1.07) | -0.05(0.98) | -0.023 | 0.13 | 0.035 | 0.152 | 0.062 | -0.093 | 0.469 | -0.053 |
| Intra hh. dynamics index | -0.04(0.98) | -0.07(0.96) | -0.14(0.88) | -0.08(0.99) | 0.037 | 0.123 | 0.044 | 0.094 | 0.012 | -0.073 | 0.356 | -0.072 |
| Benef. share of total hh. rev. | 0.43(0.43) | 0.55(0.44) | 0.50(0.43) | 0.49(0.40) | -0.718\*\* | -0.333 | -0.362 | 0.357 | 0.34 | 0.015 | 0.658 | 0.476\* |
| Household size | 8.10(4.84) | 7.22(3.61) | 8.25(5.42) | 7.43(3.40) | 0.055 | -0.007 | 0.039 | -0.056 | -0.019 | 0.044 | 1.26 | -0.02 |
| No. of rooms in house | 1.79(1.13) | 1.54(0.87) | 1.78(1.14) | 1.66(0.90) | 0.26\*\* | 0.005 | 0.123 | -0.245\* | -0.171 | 0.11 | 1.504 | -0.115 |
| Minutes to health center | 55.26(52.57) | 69.90(56.74) | 44.38(47.02) | 79.47(59.60) | -0.005 | 0.004 | -0.008\*\* | 0.01\*\* | -0.003 | -0.012\*\*\* | 6.226\*\*\* | 0.003 |
| Minutes to market | 60.64(64.10) | 72.41(66.92) | 45.82(52.91) | 84.98(76.09) | -0.003 | 0.004 | -0.005\* | 0.008\*\* | -0.002 | -0.009\*\*\* | 5.088\*\*\* | 0.001 |
| Minutes to water source | 27.19(31.17) | 24.70(28.33) | 17.75(27.61) | 23.98(29.20) | 0.003 | 0.011\* | 0.004 | 0.009 | 0.001 | -0.007 | 1.7 | -0.006 |
| N cluster | 43 | 24 | 27 | 24 |  |  |  |  |  |  |  |  |
| N strata | 10 | 12 | 13 | 13 |  |  |  |  |  |  |  |  |
| Notes: Standard errors for all tests are clustered at the Social Promotion Space level level. Fixed effects using randomization strata are included in all estimation regressions. The joint F-test shows the p-value from a test of equality of treatment arms. While the pooled F-test shows the p-value from a test of pooled treatment (i.e., a regression with a dummy for any treatment arm). \*\*\* p < 0.01, \*\* p < 0.05, \* p < 0.1. | | | | | | | | | | | | |

# Attrition

## Tekavoul program

| **Table : Attrition Table** | | | |
| --- | --- | --- | --- |
| Variable | \*\*Control\*\*  N = 531 | \*\*Cash Assignment\*\*  N = 971 | (1)-(2) |
| Followup survey | 0.43(0.50) | 0.41(0.49) | -0.127 |
| Notes: Standard errors for all tests are clustered at the Social Promotion Space level level. Fixed effects using randomization strata are included in all estimation regressions. The joint F-test shows the p-value from a test of equality of treatment arms. While the pooled F-test shows the p-value from a test of pooled treatment (i.e., a regression with a dummy for any treatment arm). \*\*\* p < 0.01, \*\* p < 0.05, \* p < 0.1. | | | |

## Productive inclusion program

| **Table : Attrition Table** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | \*\*Control\*\*  N = 571 | \*\*Capital\*\*  N = 357 | \*\*Psychosocial\*\*  N = 399 | \*\*Full\*\*  N = 303 | (1)-(2) | (1)-(3) | (1)-(4) | (2)-(3) | (2)-(4) | (3)-(4) | Joint F-test   P-value | Pooled F-test   P-value |
| Followup survey | 0.67(0.47) | 0.65(0.48) | 0.63(0.48) | 0.66(0.48) | 0.077 | 0.153 | 0.055 | 0.086 | -0.04 | -0.119 | 0.819 | -0.106 |
| Notes: Standard errors for all tests are clustered at the Social Promotion Space level level. Fixed effects using randomization strata are included in all estimation regressions. The joint F-test shows the p-value from a test of equality of treatment arms. While the pooled F-test shows the p-value from a test of pooled treatment (i.e., a regression with a dummy for any treatment arm). \*\*\* p < 0.01, \*\* p < 0.05, \* p < 0.1. | | | | | | | | | | | | |

# Compliance

## Tekavoul program

| **Table : Compliance at Follow-up 3 in percentage** | | | |
| --- | --- | --- | --- |
| Variable | Overall | Control | Cash Assignment |
| Percentage of targeted beneficiaries who received the Tekavoul cash transfer | 64.4 | 18.7 | 90.9 |
| Percentage of targeted beneficiaries who received individual coaching each month | 1.0 | 0.9 | 1.0 |
| Attendance rates at community savings and loan groups | 6.1 | 3.5 | 7.6 |
| Attendance rates of beneficiaries at community sensitization on aspirations and social norms | 3.8 | 1.7 | 5.0 |
| Attendance rates at micro-entrepreneurship training | 1.4 | 0.9 | 1.8 |
| Attendance rates at life skills training | 1.4 | 0.4 | 2.0 |
| Percentage of targeted beneficiaries who received their cash grant | 0.8 | 0.4 | 1.0 |
|  | | | |

Low compliance rate because the question are asked 16 months after the treatment take place, people might have forget about some attendance rate but what about the cash grant ?

## Productive inclusion program

| **Table : Compliance at Follow-up 3 in percentage** | | | | | |
| --- | --- | --- | --- | --- | --- |
| Variable | Overall | Control | Capital | Psychosocial | Full |
| Percentage of targeted beneficiaries who received the Tekavoul cash transfer | 91.5 | 91.6 | 90.5 | 88.4 | 96.5 |
| Percentage of targeted beneficiaries who received individual coaching each month | 4.9 | 1.0 | 9.1 | 8.8 | 2.5 |
| Attendance rates at community savings and loan groups | 26.3 | 7.6 | 37.9 | 34.7 | 38.2 |
| Attendance rates of beneficiaries at community sensitization on aspirations and social norms | 11.0 | 5.2 | 16.8 | 15.9 | 9.0 |
| Attendance rates at micro-entrepreneurship training | 4.4 | 1.8 | 7.8 | 6.4 | 3.0 |
| Attendance rates at life skills training | 5.1 | 2.1 | 7.3 | 9.2 | 3.0 |
| Percentage of targeted beneficiaries who received their cash grant | 2.5 | 1.0 | 5.2 | 1.6 | 3.5 |
|  | | | | | |

## Cross comparison (Tekavoul and the PI)

| **Table : Balance Table between the two group** | | | |
| --- | --- | --- | --- |
| Variable | Tekavoul | Productive Inclusion | Diff. |
| Benef. is HH head | 0.303 | 0.366 | -0.063\*\* |
| Benef. is handicapped | 0.005 | 0.003 | 0.002 |
| Female (hh. head) | 0.203 | 0.238 | -0.035 |
| Female (benef.) | 1.000 | 1.000 | 0 |
| Polygamy (hh. head) | 0.109 | 0.088 | 0.021 |
| Polygamy (benef.) | 0.072 | 0.058 | 0.014 |
| Age (Hh. head) | 46.596 | 45.328 | 1.268\* |
| Age (benef.) | 37.581 | 37.727 | -0.146 |
| Age gap (hh. head - benef.) | 10.082 | 9.549 | 0.533 |
| Education (years, HH head) | 1.261 | 1.136 | 0.125 |
| Education (years, benef.) | 0.784 | 0.917 | -0.133 |
| Primary education (0/1, H-hh. head) | 0.060 | 0.042 | 0.018 |
| Primary education (0/1, benef.) | 0.010 | 0.015 | -0.005 |
| Literate (hh. head) | 0.340 | 0.365 | -0.025 |
| Literate (benef.) | 0.196 | 0.251 | -0.055\*\* |
| Control over earnings | -0.217 | -0.236 | 0.019 |
| Control over hh. resources | -0.213 | -0.228 | 0.015 |
| Intra hh. dynamics index | -0.132 | -0.170 | 0.038 |
| Benef. share of total hh. rev. | 0.301 | 0.362 | -0.061\* |
| Household size | 9.742 | 9.286 | 0.456 |
| No. of rooms in house | 1.958 | 1.858 | 0.1 |
| Minutes to health center | 54.578 | 59.385 | -4.807 |
| Minutes to market | 61.231 | 66.325 | -5.094 |
| Minutes to water source | 24.256 | 23.050 | 1.206 |
| The Diff column is the difference between the beneficiaries of the two groups. \*\*\* p < 0.01, \*\* p < 0.05, \* p < 0.1. | | | |