**Table 1: Summary of statistical models**

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|  | **Model A - Meta-regression****Outcome variable: standardised mean difference** | **Model B Multilevel logistic regression****Outcome variable: whether P4P is effective or not (binary)** |
| **Univariate and multivariate analyses performed** | **Explanatory Variables**  |
| Who receives the incentive | Groups  | \*Individual  |
| Size of incentive | Large | \*Small  |
| Perceived risk | Low  | \*High  |
| Evaluation design  | No control group (before and after studies) | \*Adequate control group (quasi-experimental and RCTs) |

\*reference category is the group to which the other categories are compared.

**Table 2: Meta-regression coefficients for Model A**

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| **Explanatory variables****(Number of studies=36)** | **SMD (univariate model)****(95% CI)**  | **SMD (multivariate model) (95% CI)** |
| Who receives the incentive: payment to groups compared to payment to individuals | 0.002 (−0.19, 0.19) P= 0.98 | −0.009 (−0.20, 0.18) P= 0.92 |
| Size of incentive: large incentive compared to small incentive  | 0.101 (−0.07, 0.27) P=0.22 | 0.116 (−0.08, 0.31) P=0.23 |
| Perceived risk of not earning the incentive (Risk): low risk compared to high risk | 0.009 (−0.15, 0.16) P=0.91 | 0.002 (−0.21, 0.14) P= 0.69 |
| Evaluation | 0.019 (−0.18, 0.14) P=0.82 |  |

**Table 3: Associations between design features and effectiveness of P4P (Regression coefficients for multilevel logistic regression: Model B**

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| **Explanatory variables****(Number of studies=96)** | **Odds Ratio (univariate model) (95% CI)**  | **Odds Ratio multivariate model) (95% CI)** |
| **Who receives the incentive: payment to individuals compared to payment to groups** | 1.32 (0.32, 5.54)P=0.7 | 2.01 (0.62, 6.56)P=0.37 |
| **Size of incentive: large incentive compared to small incentive**  | 4.33 (1.02, 18.31)P=0.047 | 3.38 (1.07, 10.64)P=0.04 |
| **Perceived risk of not earning the incentive (Risk): low risk compared to high risk** | 2.90 (0.78-10.83)P=0.11 | 0.61 (0.22, 1.75)P=0.37 |
| **Evaluation design: No adequate control group compared to RCTs or quasi-experimental studies** | 23.34 (6.28-86.73)P<0.0001 | 24.16 (6.3, 92.78)P<0.0001 |