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4-23-2002

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#### Citation

O'Leary, Christopher J. 2003. "Active Labor Market Programs: Conceptual Framework." Presented at the Labor Market Policy Course at the World Bank, Washington, DC, April 23. https://research.upjohn.org/confpapers/32

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### Active Labor Market Programs: Conceptual Framework

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Prepared for the *Labor Market Policy Course* at the World Bank, Washington, DC, April 23, 2002.

### **Outline**

- I. Types of Labor Market Programs
- II. Scale of Labor Market Programs
- III. Concepts in Evaluation
- IV. Performance Monitoring
- v. Net Impact Estimation
- vi. Conclusion

### I. Types of Labor Market Programs

### **Passive Labor Market Programs**

- Unemployment Compensation
- Unemployment Assistance
- Early Retirement

### I. Types of Labor Market Programs

### **Active Labor Market Programs**

- Job Search Assistance
- Training
  - unemployed and employed
- Programs for Youth
  - unemployed, disadvantaged, apprenticeship
- Job Subsidies
  - private employer, public works, self-employment
- Programs for the Disabled rehabilitation, supported work

### Spending on LMPs as a percent of GDP, 1995 and 2000

| 1995             | Australia | Canada | France | Germany | Hungary | Italy | Japan | Korea | Sweden | UK   | US   |
|------------------|-----------|--------|--------|---------|---------|-------|-------|-------|--------|------|------|
| PES              | 0.24      | 0.21   | 0.15   | 0.23    | 0.15    | 0.04  | 0.03  | 0.03  | 0.27   | 0.21 | 0.07 |
| Training         | 0.15      | 0.25   | 0.38   | 0.38    | 0.19    | 0.01  | 0.03  | 0.02  | 0.77   | 0.13 | 0.04 |
| Youth            | 0.06      | 0.02   | 0.27   | 0.06    | 0.00    | 0.46  | 0.00  | 0.02  | 0.23   | 0.13 | 0.03 |
| Job Subsidies    | 0.31      | 0.06   | 0.40   | 0.44    | 0.27    | 0.86  | 0.06  | 0.00  | 0.90   | 0.03 | 0.01 |
| Disabled         | 0.07      | 0.02   | 0.10   | 0.26    | 0.00    | 0.00  | 0.00  | 0.00  | 0.82   | 0.03 | 0.04 |
| UC               | 1.28      | 1.28   | 1.43   | 2.09    | 1.07    | 0.92  | 0.39  | 0.00  | 2.51   | 1.41 | 0.35 |
| Early Retirement | 0.00      | 0.01   | 0.36   | 0.29    | 0.15    | 0.20  | 0.00  | 0.00  | 0.02   | 0.00 | 0.00 |
| 2000             |           |        |        |         |         |       |       |       |        |      |      |
| PES              | 0.20      | 0.20   | 0.17   | 0.23    | 0.11    | 0.00  | 0.11  | 0.04  | 0.26   | 0.13 | 0.04 |
| Training         | 0.02      | 0.17   | 0.28   | 0.34    | 0.07    | 0.12  | 0.03  | 0.09  | 0.31   | 0.05 | 0.04 |
| Youth            | 0.07      | 0.03   | 0.41   | 0.08    | 0.00    | 0.25  | 0.00  | 0.01  | 0.02   | 0.15 | 0.03 |
| Job Subsidies    | 0.11      | 0.08   | 0.41   | 0.31    | 0.22    | 0.26  | 0.13  | 0.31  | 0.27   | 0.01 | 0.01 |
| Disabled         | 0.05      | 0.03   | 0.09   | 0.27    | 0.00    | 0.00  | 0.01  | 0.01  | 0.52   | 0.02 | 0.03 |
| UC               | 1.05      | 0.98   | 1.47   | 1.88    | 0.44    | 0.56  | 0.54  | 0.09  | 1.34   | 0.58 | 0.23 |
| Early Retirement | 0.00      | 0.00   | 0.29   | 0.01    | 0.04    | 0.09  | 0.00  | 0.00  | 0.00   | 0.00 | 0.00 |

# Spending on ALMPs and PLMPs as a percent of GDP, 1995 and 2000

| 1995    | Australia | Canada | France | Germany | Hungary | Italy | Japan | Korea | Sweden | UK   | US   |
|---------|-----------|--------|--------|---------|---------|-------|-------|-------|--------|------|------|
| Active  | 0.83      | 0.56   | 1.30   | 1.37    | 0.61    | 1.37  | 0.12  | 0.07  | 2.99   | 0.53 | 0.19 |
| Passive | 1.28      | 1.29   | 1.79   | 2.38    | 1.22    | 1.12  | 0.39  | 0.00  | 2.53   | 1.41 | 0.35 |
| Total   | 2.11      | 1.85   | 3.09   | 3.75    | 1.83    | 2.49  | 0.51  | 0.07  | 5.52   | 1.94 | 0.54 |
|         |           |        |        |         |         |       |       |       |        |      |      |
| 2000    |           |        |        |         |         |       |       |       |        |      |      |
| Active  | 0.45      | 0.51   | 1.36   | 1.23    | 0.40    | 0.63  | 0.28  | 0.46  | 1.38   | 0.36 | 0.15 |
| Passive | 1.05      | 0.98   | 1.76   | 1.89    | 0.48    | 0.65  | 0.54  | 0.09  | 1.34   | 0.58 | 0.23 |
| Total   | 1.50      | 1.49   | 3.12   | 3.12    | 0.88    | 1.28  | 0.82  | 0.55  | 2.72   | 0.94 | 0.38 |

### Spending on LMPs as a percent of GDP, 1995 and 2000

LMPs as a Percent of GDP, 1995-2000



ALMP spending as a percent of LMP, 1995 and 2000





### **III.** Concepts in Evaluation

• Gross outcomes, gross impacts, and net impacts

An example: Rate of Reemployment Program participants: 60% Among all unemployed: 40% Among matched pairs group: 50%

Gross outcome of program: 60%Gross impact of program: 60% - 40% = 20%Net impact of program: 60% - 50% = 10%

### **Concepts in Evaluation** (Continued)

 Performance monitoring Track gross outcomes

Net impact estimation

 A comparison group design
 Classically designed experiments
 Quasi-experimental econometric studies

## **IV. Performance Monitoring**

### Process:

Nationwide involvement Set goals Agree on performance indicators Consensus building—ownership Iterative

Appeal:

Develop an information system Culture of cost effectiveness Professionalism in employment service Establish survey skills Foundation for evaluation

### Performance Monitoring (Continued)

Problems: Response rates Data tampering Creaming (Response—adjustment)

Examples from Hungary

#### Table 3.2Performance Indicators for ALPs in Hungary

#### TRAINING OF UNEMPLOYED IN GROUPS

- A11 Average cost per trainee employed at follow-up (c)
- A12 Proportion of trainees who are employed at follow-up (r)
- A13 Average cost per training program entrant (a)
- A14 Average cost per trainee per hour of training (a)
- A15 Proportion of entrants who successfully complete training courses (p)
- A16 Proportion of employed trainees working in occupation of training at follow-up (p)

#### AINING OF UNEMPLOTED INDIVIDUALLT

- A21 Average cost per trainee employed at follow-up (c)
- A22 Proportion of trainees who are employed at follow-up (r)
- A23 Average cost per training program entrant (a)
- A24 Average cost per trainee per hour of training (a)
- A25 Proportion of entrants who successfully complete training courses (p)
- A26 Proportion of employed trainee working in occupation of training at follow-up (p)

#### TRAINING OF EMPLOYED

- A31 Average cost per trainee employed at follow-up (c)
- A32 Proportion of trainees who are employed at follow-up (r)
- A33 Average cost per trainee program entrant (a)
- A35 Proportion of entrants who successfully complete training courses (p)
- A36 Proportion of employed trainees working in occupation of training at follow-up (p)

#### SELF EMPLOYMENT ASSISTANCE

- B1 Average assistance per person still self-employed at follow-up (c)
- B2 Proportion of persons still self-employed at follow-up (r)
- B3 Average subsidy per self-employed (s)
- B4 Average added employment resulting from self-employment assistance at follow-up (p)

#### WAGE SUBSIDY FOR HIRING LONG TERM UNEMPLOYED

- C1 Subsidy per worker still at subsidized employer at follow-up (c)
- C2 Proportion of subsidized workers who are in regular employment at follow-up (r)
- C3 Average cost of wage subsidy per subsidized employee (s)

#### Public service employment

- D1 Average monthly subsidy per worker (s)
- D2 Proportion of subsidized workers who are in regular employment at follow-up (r)

Source: National Labor Center, Budapest.

### Examples from Hungary– Performance Indicators

Table 3.4 An example of performance measures in Hungary. Percent employed at follow-up after various ALMPs, 1994–1998

| ALMP                        | 1994 | 1995 | 1996 | 1997 | 1998 |
|-----------------------------|------|------|------|------|------|
| Group Retraining (A12)      | 44.9 | 36.1 | 44.5 | 46.3 | 46.8 |
| Individual Retraining (A22) | 58.5 | 42.2 | 51.9 | 51.1 | 51.5 |
| Retraining Employed (A32)   | 82.2 | 93.6 | 92.8 | 90.4 | 94.7 |
|                             |      |      |      |      |      |
| Self-employment (B2)        | 91.9 | 90.6 | 90.2 | 88.1 | 91.7 |
| Wage Subsidy (C2)           | 71.1 | 71.4 | 70.1 | 66.3 | 59.1 |
| PSE (D2)                    | 3.5  | 1.3  | 1.3  | 1.9  | 1.9  |

### **IV. Performance Monitoring**

An adjustment methodology

Adjust for regional factors (fair comparison across regions)

Adjust for participant factors (defeat "creaming" in participant selection)

Development of adjustment weights

Implementing an adjustment methodology

### V. Net Impact Estimation

Classically designed experiments

Process:

Random assignment Repeating experimental conditions Large sample sizes

Appeal: Simplicity of interpreting results Model free impact estimates

Problems with experiments:

Internal Validity Errors in random assignment Inconsistent experimental conditions Substitution bias

External Validity Time horizon Learning effects Hawthorne effects Entry effects Displacement effects

Quasi-experimental Econometric Studies

Process (statistically mimic an experiment): Administrative data Demonstration "Natural experiment" Surveys Simulation

Appeal: Inexpensive Timely

Problems with Quasi-experimental econometric studies:

Selection bias

Statistical complexity

"A snapshot" at a point in time

Practical Steps in a Quasi-experimental Evaluation:

Collecting data Preliminary examination of data Computation of overall program net impacts Estimation of program impacts by sub-group Estimating impacts of program features Cost-benefit analysis

Collecting data

Sample size Site selection Sample selection Survey design Survey implementation

| Table 4.3 | Sample Size Requirements for Net Impact Evaluation |   |          |        |  |  |  |  |  |
|-----------|--|---|----------|--------|--|--|--|--|--|
|           | Sample s   | Sample size for statistical tests with two-tailed confidence<br>of 0.98 or 0.90 and effect size 1.0 |          |        |  |  |  |  |  |
|           | Tests of p   | roportions  | Tests of | fmeans |  |  |  |  |  |
| Power     | 0.98   | 0.9   | 0.98     | 0.9    |  |  |  |  |  |
| 0.25      | 546  | 188   | 547      | 189    |  |  |  |  |  |
| 0.5       | 1082   | 541   | 1083     | 542    |  |  |  |  |  |
| 0.6       | 1331   | 721   | 1332     | 721    |  |  |  |  |  |
| 0.67      | 1520   | 862   | 1552     | 862    |  |  |  |  |  |
| 0.7       | 1625   | 941   | 1627     | 942    |  |  |  |  |  |
| 0.75      | 1801   | 1076  | 1803     | 1076   |  |  |  |  |  |
| 0.8       | 2007   | 1237  | 2009     | 1237   |  |  |  |  |  |
| 0.85      | 2262   | 1438  | 2263     | 1438   |  |  |  |  |  |
| 0.9       | 2603   | 1713  | 2605     | 1713   |  |  |  |  |  |
| 0.95      | 3154   | 2164  | 3155     | 2165   |  |  |  |  |  |
| 0.99      | 4330   | 3154  | 4330     | 3155   |  |  |  |  |  |

*Notes:* Adapted from Cohen (1988). Sample size for tests of proportions from Table 6.4.1., page 205, and for tests of means from Table 2.4.1, page 54.

| Table 4.7Composition of the ALMP Samples Contrasted with That of the Comparison<br>Group in Hungary |                |                          |                        |                   |                 |                   |                     |
|---|----------------|--------------------------|------------------------|-------------------|-----------------|-------------------|---------------------|
|   |                | Full comparison<br>group | Individual<br>training | Group<br>training | Public<br>works | Wage<br>subsidies | Self-<br>employment |
| Male responde   | nt             | 0.555                    | 0.490**                | 0.476**           | 0.665**         | 0.561             | 0.619**             |
| Aged $\leq 30$  |                | 0.415                    | 0.662**                | 0.619**           | 0.329**         | 0.407             | 0.260**             |
| Aged 31 - 44  |                | 0.383                    | 0.267**                | 0.277**           | 0.394           | 0.399             | 0.544**             |
| Aged 45 +   |                | 0.201                    | 0.071**                | 0.074**           | 0.277**         | 0.194             | 0.196               |
| Eight years of  | schooling      | 0.345                    | 0.164**                | 0.246**           | 0.468**         | 0.264**           | 0.078**             |
| Vocational edu  | ication        | 0.412                    | 0.295**                | 0.244**           | 0.303**         | 0.425             | 0.388               |
| General second  | dary education | 0.213                    | 0.478**                | 0.453**           | 0.197           | 0.269**           | 0.427**             |
| Some higher ed  | ducation       | 0.030                    | 0.063**                | 0.057**           | 0.032           | 0.042*            | 0.107**             |
| Blue-collar occ   | cupation       | 0.814                    | 0.604**                | 0.623**           | 0.819           | 0.771**           | 0.627**             |
| Long-term une   | mployed        | 0.218                    | 0.180**                | 0.213             | 0.483**         | 0.299**           | 0.052**             |
| Sample size   |                | 3214                     | 1150                   | 1254              | 1088            | 1091              | 1044                |

Notes:

\* Difference from the full comparison group is statistically significant at the 90 percent level in a two-tailed test. \*\* Difference from the full comparison group is statistically significant at the 95 percent level in a two-tailed test. Source: O'Leary, Kolodziejczyk, and Lazar (1998).

| <b>Table 4.8</b> | Differences of Participant Groups From the Registered Unemployed |                              |                  |                  |  |  |  |  |  |
|------------------|--|------------------------------|------------------|------------------|--|--|--|--|--|
| Characteristics  | Retraining   | Public service<br>employment | Wage subsidies   | Self-employment  |  |  |  |  |  |
| Gender           | Female   | Male                         |                  | Male             |  |  |  |  |  |
| Age              | Younger  | Older                        |                  | Middle aged      |  |  |  |  |  |
| Education        | More   | Less                         | More             | Much more        |  |  |  |  |  |
| Occupation       | Less blue collar   |                              | Less blue collar | Less blue collar |  |  |  |  |  |

| Table 4.9      | Impact Estimates in EMPLNOW Using Alternative Estimation Methods |                        |                    |                          |                        |                         |  |  |  |
|----------------|--|------------------------|--------------------|--------------------------|------------------------|-------------------------|--|--|--|
|                | Comparison<br>group mean   | Participant group mean | Impact<br>estimate | t-statistic on<br>impact | Comparison sample size | Participant sample size |  |  |  |
| Individual tra | ining  |                        |                    |                          |                        |                         |  |  |  |
| Unadjusted     | 0.43   | 0.54                   | 0.11**             | 6.36                     | 3338                   | 1222                    |  |  |  |
| Regression     | 0.43   |                        | 0.09**             | 5.40                     | 3213                   | 1143                    |  |  |  |
| Matched        | 0.43   | 0.53                   | 0.10**             | 5.14                     | 1215                   | 1215                    |  |  |  |
| ES interact    | 0.43   |                        | 0.09*              | 1.71                     | 3213                   | 1215                    |  |  |  |
| Group trainin  | g  |                        |                    |                          |                        |                         |  |  |  |
| Unadjusted     | 0.43   | 0.45                   | 0.02               | 1.25                     | 3338                   | 1321                    |  |  |  |
| Regression     | 0.43   |                        | 0.07**             | 4.08                     | 3213                   | 1249                    |  |  |  |
| Matched        | 0.39   | 0.45                   | 0.06**             | 3.17                     | 1316                   | 1316                    |  |  |  |
| ES interact    | 0.43   |                        | 0.07**             | 2.51                     | 3213                   | 1249                    |  |  |  |
| Public service | employment   |                        |                    |                          |                        |                         |  |  |  |
| Unadjusted     | 0.43   | 0.27                   | -0.16**            | 9.7                      | 3338                   | 1140                    |  |  |  |
| Regression     | 0.43   |                        | -0.21**            | 11.86                    | 3213                   | 1087                    |  |  |  |
| Matched        | 0.56   | 0.27                   | -0.29**            | 14.79                    | 1139                   | 1139                    |  |  |  |
| ES interact    | 0.43   |                        | -0.21**            | 11.78                    | 3213                   | 1087                    |  |  |  |
| Wage subsidy   |  |                        |                    |                          |                        |                         |  |  |  |
| Unadjusted     | 0.43   | 0.63                   | 0.20**             | 11.9                     | 3338                   | 1131                    |  |  |  |
| Regression     | 0.43   |                        | -0.02              | 1.12                     | 3213                   | 1090                    |  |  |  |
| Matched        | 0.65   | 0.63                   | -0.02              | 1.23                     | 1130                   | 1130                    |  |  |  |
| ES interact    | 0.43   |                        | -0.06**            | 7.51                     | 3213                   | 1090                    |  |  |  |
| Self-employm   | ent  |                        |                    |                          |                        |                         |  |  |  |
| Unadjusted     | 0.43   | 0.87                   | 0.44**             | 27.06                    | 3338                   | 1067                    |  |  |  |
| Regression     | 0.43   |                        | 0.22**             | 11.94                    | 3213                   | 1036                    |  |  |  |
| Matched        | 0.65   | 0.87                   | 0.21**             | 11.92                    | 1059                   | 1059                    |  |  |  |
| ES interact    | 0.43   |                        | 0.16               | 0.69                     | 3213                   | 1036                    |  |  |  |

Notes: EMPLNOW - Employed in a non-subsidized job or self-employment on the survey date.

\* Difference statistically significant at the 90 percent level in a two-tailed test.

\*\* Difference statistically significant at the 95 percent level in a two-tailed test.

Source: O'Leary (1998).

### Examples from Hungary—Net Impact Estimates

Table 4.10 Net impacts of ALMPs on employment, earnings, and unemployment compensation inHungary

|                           | EMPLOYED <sup>1</sup> | EMPLNOW <sup>2</sup> | EARNNOW <sup>3</sup> | <b>UCMONTHS</b> <sup>₄</sup> | UCPAY <sup>5</sup> |
|---------------------------|-----------------------|----------------------|----------------------|------------------------------|--------------------|
| Individual retraining     | 0.11**                | 0.09**               | 7                    | -0.68**                      | -43**              |
| Group retraining          | 0.09**                | 0.07**               | 5**                  | -0.50**                      | -27**              |
| Public service employment | -0.26**               | -0.21**              | 9**                  | -0.19                        | -9**               |
| Wage subsidy              | -0.11**               | -0.06**              | -6                   | 0.04**                       | 7                  |
| Self-employment           | 0.14                  | 0.16                 | -26                  | -1.64**                      | -120               |

\*\* = Statistically significant at the 95 percent level in a two-tailed test

<sup>1</sup> Ever re-employed in an unsubsidized job or in self-employment

<sup>2</sup> Employed in an unsubsidized job or in self-employment on the survey date

<sup>3</sup> Average monthly earnings from the current job on the survey date (US\$)

<sup>4</sup> Months of unemployment compensation collected since January 1996

<sup>5</sup> Amount of unemployment compensation collected since January 1996, in US\$ at exchange rate of US\$1.00 = 175.75 Hungarian forints on April 1, 1997, approximately the survey date

SOURCE: O'Leary, Kolodziejczyk, and Lazar (1998)

| Iungai y                       |                        |                   |                 |                 |                     |
|--------------------------------|------------------------|-------------------|-----------------|-----------------|---------------------|
|                                | Individual<br>training | Group<br>training | Public<br>works | Wage<br>subsidy | Self-<br>employment |
| Male respondent                | 0.086**                | -0.021            | -0.138**##      | 0.037           | 0.339**             |
| Female respondent~             | 0.087**                | 0.023             | -0.042          | 0.076**         | 0.344**             |
| Aged < 30                      | 0.081**                | 0.008             | -0.111**        | 0.029           | 0.339**             |
| Aged 30-44                     | 0.076**                | 0.018             | -0.112**        | 0.059*          | 0.320**#            |
| Aged 45+~                      | 0.126**                | -0.067            | -0.048          | 0.098**         | 0.389**             |
| 8 years of schooling           | 0.086**                | 0.001             | -0.141**#       | 0.089**         | 0.377**             |
| Vocational education           | 0.101**                | -0.002            | -0.090**        | 0.030           | 0.330**             |
| General secondary education    | 0.066**                | -0.011            | -0.057          | 0.065           | 0.332**             |
| Some higher education~         | 0.098                  | 0.084             | 0.068           | -0.049          | 0.273**             |
| White-collar occupation        | 0.051                  | -0.037            | -0.116**        | 0.059           | 0.325**             |
| Blue-collar occupation~        | 0.098**                | 0.011             | -0.094**        | 0.053**         | 0.346**             |
| Long-term unemployed           | 0.084**                | -0.041            | -0.089**        | 0.084**         | 0.364**             |
| Not in long-term unemployment~ | 0.087**                | 0.010             | -0.101**        | 0.045*          | 0.336**             |
| Area of low unemployment       | 0.066**                | 0.016             | -0.129**        | 0.036           | 0.336**             |
| Area of medium unemployment    | 0.087**                | -0.015            | -0.093**        | 0.113**##       | 0.288**             |
| Area of high unemployment~     | 0.102**                | 0.002             | -0.082**        | 0.012           | 0.394**             |

Table 4.11Estimates of net impact of ALMPs by subgroup on whether participants were<br/>employed in an unsubsidized job or in self-employment on the survey date in<br/>Hungary

Notes:

\* Statistically significant at the 90 per cent confidence level in a two-tailed test

\*\* Statistically significant at the 95 per cent confidence level in a two-tailed test

# Significantly different from the reference group at the 90 per cent confidence level in a two-tailed test

## Significantly different from the reference group at the 95 per cent confidence level in a two-tailed test

~ Reference group for subgroup differences; excluded from estimation

Source: O'Leary, Kolodziejczyk, and Lazar (1998).

### Examples from Hungary—Net Impact Estimates (Continued)

 Table 4.12 Summary of Subgroup Net Impact Analysis

| Characteristic        | Retraining | Public Service<br>Employment | Wage<br>Subsidies                         | Self-<br>employment                   |
|-----------------------|------------|------------------------------|---|---------------------------------------|
| Gender                |            | Worse for males              |   |                                       |
| Age                   |            |                              |   | Best for older persons                |
| Education             |            | Worse for the less educated  |   |                                       |
| Occupation            |            |                              |   |                                       |
| Unemployment duration |            |                              |   |                                       |
| Unemployment rate     |            |                              | Best where<br>unemployment is<br>moderate | Best where<br>unemployment is<br>high |

|                                   | Individual | Group    | Public service |              | Self-      |
|-----------------------------------|------------|----------|----------------|--------------|------------|
|                                   | training   | training | employment     | Wage subsidy | employment |
| Contribution to costs             |            |          |                |              |            |
| Participant contribution          | 0.104**    | 0.123**  |                |              |            |
| No participant contribution       | 0.062      | 0.066**  |                |              |            |
| Duration of ALMP                  |            |          |                |              |            |
| < 1 month                         | 0.115      | 0.019    |                |              |            |
| 1 < 3 months                      | 0.129**    | -0.050   |                |              |            |
| 3 < 6 months                      | 0.102**    | 0.084**b |                |              |            |
| 6 < 12 months                     | 0.069**    | 0.097**b |                |              |            |
| 12+ months                        | 0.084      | -0.015   |                |              |            |
| Organized by                      |            |          |                |              |            |
| Regional center, over 20 hrs/w    | 0.092      | 0.015    |                |              |            |
| Regional center, 20 hrs/w or less | 0.128      | -0.005   |                |              |            |
| Other, over 20 hrs/w              | 0.073**    | 0.096**a |                |              |            |
| Other, 20 hrs/w or less           | 0.105**    | 0.107**a |                |              |            |
| Level of job skill                |            |          |                |              |            |
| Non-manual                        |            |          | -0.166**       | -0.042       |            |
| Manual unskilled                  |            |          | -0.237**a      | -0.059       |            |
| Manual semi-skilled               |            |          | -0.207**       | -0.022       |            |
| Manual skilled                    |            |          | -0.160**b      | -0.012       |            |
| Sector                            |            |          |                |              |            |
| Agriculture                       |            |          |                | 0.018        | 0.290**    |
| Construction                      |            |          |                | -0.174**a    | 0.268**    |
| Services                          |            |          | -0.207**       | -0.047*b     | 0.190**ab  |
| Other                             |            |          | -0.228**       | 0.028bc      | 0.280**c   |
| Type of enterprise                |            |          |                |              |            |
| individual enterprise             |            |          |                |              | 0.223**    |
| partnership or other              |            |          |                |              | 0.203**    |

# Table 4.13Impact of Various Features of ALMPs on Whether Participants Were<br/>Employed in an Unsubsidized Job or in Self-employment on the Survey Date,<br/>in Hungary

### Examples from Hungary—Net Impact Estimates (Continued)

Table 4.14.Summary of Program Feature Net Impact Analysis

| Feature                            | Retraining  | Public Service<br>Employment    | Wage<br>Subsidies                          | Self-<br>employment |
|------------------------------------|---|---------------------------------|--|---------------------|
| Share in costs                     | Better with<br>Contribution<br>(but not<br>significant) |                                 |  |                     |
| Duration of ALMP                   | 3 to 12 months  |                                 |  |                     |
| Organized by                       | Not district<br>retraining center<br>20+ hrs/w          |                                 |  |                     |
| Level of skill                     |   | Manual<br>unskilled is<br>worst | Outside of<br>construction<br>and services | Outside of services |
| Industry                           |   |                                 |  |                     |
| Sole proprietor vs.<br>partnership |   |                                 |  |                     |

### Table 4.15Cost Components for a Net Impact Evaluation Project

#### 1. Preliminaries:

- 1.1 Sample design
- 1.2 Randomly select samples of persons for participant and comparison groups
- 1.3 Extract records from existing administrative records on samples selected
- 1.4 Prepare a data file for preliminary analysis of samples selected
- 1.5 Prepare lists of names for interviews organized by geographic region

#### 2. Survey work:

- 2.1 Translate surveys and adapt questions to cultural and institutional context.
- 2.2 Pilot test surveys
- 2.3 Revise surveys and set final formats and methods for recording survey responses
- 2.4 Prepare surveys in format required for interviews, usually multiple hard copies
- 2.5 Prepare a training manual for survey workers to conduct interviews
- 2.6 Designate survey managers for major geographic regions
- 2.7 Assemble a team of survey workers to conduct interviews
- 2.8 Conduct survey worker training
- 2.9 Conduct interviews with established call back protocol
- 2.10 Deliver completed questionnaires for data entry

#### 3. Final Data Processing:

- 3.1 Error checking, correction, and key entry of data to computer files
- 3.2 Preparation of computer files for data analysis
- 3.3 Delivery of data files to data analysts
- 3.4 Correction of data files based on questions from data analysts.

### **VI.** Conclusion

Uses of Evaluation Results

- Performance monitoring
  - Program management
  - Annual planning
- Net impact estimation
  - Program design
  - Strategic planning
  - Policy formulation

### Conclusion (Continued)

- A sequence for Evaluation
  - Management information system
  - Performance indicators monitoring
  - A culture of cost effectiveness
  - Professionalism in the employment service
  - Net impact evaluation
  - Policy development

### Active Labor Market Programs: Conceptual Framework

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Prepared for the *Labor Market Policy Course* at the World Bank, Washington, DC, April 23, 2002.