![SMU Singapore Management University | Centre for Research on Successful Ageing]

# Studying Successful Ageing: A showcase of the Singapore Life Panel by ROSA's SGUnited Trainees (APPENDIX)

**RESEARCH BRIEF SERIES 3**

May 2021

# CONTENTS

Article 2

# Capturing Socioeconomic Status in the Singapore Life Panel

**Appendices: SES Variables in each dimension in the SLP**

## Appendix 1: SLP Questions on Income

| Code | Question |
|------|----------|
| i001z | Did you receive any income from work during the month of [last month]? |
| i001z | Did you receive any income from work during the month of [last month]? |
| i002zw | How much was your total income from work in the month of [last month] before taxes and other deductions? |
| i003z | Did your spouse receive any income from work during the month of [last month]? |
| i004zw | How much was your spouse's total income from work in the month of [last month] before taxes and other deductions? |
| i005z | Did [you or your spouse] receive any money from family members, relatives, or friends in the month of [last month]? |
| i006z | Did [You and your spouse] receive any other income in the month of [last month]? |
| i007zw | How much in total did [You and your spouse] receive from family members, relatives or friends in the month of [last month]? |

| i008 | What is your household's current gross income per month? |
|---|---|
| i01020 | What was the total amount, i.e. the cash payment and CPF contribution, you received from the Workfare Income Supplement (WIS) Scheme in [last month]? |
| i01020z | In [last month] (last month), did you receive a payment from the Workfare Income Supplement (WIS) Scheme? |
| i01090 | What was the total amount, i.e. the cash payment and CPF contribution, your spouse received from the Workfare Income Supplement (WIS) Scheme in [last month]? |
| i01090z | In [last month] (last month), did your spouse receive a payment from the Workfare Income Supplement (WIS) Scheme? |
| income_varz | Has your income from work varied much over the last 3 months? |
| receive_welfare _marriedz | Did you or your spouse receive any income from Workfare, ComCare Assistance, or other similar government welfare assistance schemes in the last 12 months? |
| s06130 | Is your total household income sufficient to meet your spending needs each month? |
| sp_income_varz | Has your spouse's income from work varied much over the last 3 months? |
| welfare_amt_m arried | How much did [Fill for welfare amt married] receive from Workfare, ComCare Assistance, or other similar government welfare assistance schemes in the last 21 months? |
| welfare_amt_si ngle | How much did you receive from Workfare, ComCare Assistance, or other similar government welfare assistance schemes in the last 21 months? |

## Appendix 2: SLP Questions on Education

| Code | Question |
| --- | --- |
| highest_edz | What is the highest educational qualification that you have? (No formal schooling, primary, secondary, post-secondary, or tertiary) |
| highest_ed_secz | Which of the following most accurately describes your highest educational qualification? (secondary, without any GCE 'N'/'O' level pass; secondary with at least 1 GCE 'N'/'O' level pass, ITE certificate of competency, NTC Grade 3 or equivalent) |
| highest_ed_psecz | Which of the following most accurately describes your highest educational qualification? (Did not pass PSLE or equivalent, primary: passed PSLE or equivalent, other (please specify) |
| highest_ed_psecz | Which of the following most accurately describes your highest educational qualification? (post-secondary: non-tertiary, diploma or professional qualification, university first degree, university postgraduate qualification, other (please specify) |
| yrschoolz | How many years of schooling did you complete? |

## Appendix 3: SLP Questions on Occupation

| Code | Question |
| --- | --- |
| e001 | What is your current employment situation? |
| e01020 | Around how much is your current monthly income from work, before taxes and other deductions? If you have more than one job, please report only the income from your main job. |
| e01030 | Which of the following best describes your employer? |
| e002 | How many hours do you usually work per week? |
| e02090 | Thinking about your working life as a whole, was your most recent job the job in which you worked for the longest period of time? |
| e03010 | In what year did you leave your longest job? |
| e03020 | Around how much was your final monthly income from work when you left that job before taxes and other deductions? |
| e03030 | Which of the following best describes the employer at your longest job? |

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## Appendix 4: SLP Questions on Housing

| Code | Question |
|------|----------|
| hu002 | What type of housing do you currently live in? |
| hu001z | Do [you or your spouse] own the home in which you live? |
| hu012z | Do you live in a rented home? |
| a05400 | How much of the total monthly rent do you [fill: and your spouse] pay for the house, flat or apartment? $_____.00 |

Article 3

# Caregiving among Older Adults – An Exploration of the Effects of Caregiving on the Well-being of Older Adults

## Appendix 1. Profile of Respondents

| Sample Characteristics | Proportion (%) |
|---|---|
| Age | |
| Median Age = 63, Mean Age = 63.12, Std. Dev. = 6.57 | |
| 55 – 59 | 29.40 |
| 60 – 64 | 30.41 |
| 65 – 69 | 22.68 |
| 70 – 75 | 17.52 |
| Gender | |
| Male | 46.54 |
| Female | 53.46 |
| Marital Status | |
| Married | 78.15 |
| Single (Never Married) | 8.59 |
| Separated | 0.61 |
| Divorced | 5.23 |
| Widowed | 7.42 |
| Ethnicity | |
| Chinese | 86.71 |
| Malay | 5.98 |
| Indian | 5.46 |
| Others | 1.85 |

| Sample Characteristics | Proportion (%) |
|---|---|
| **Housing Type** | |
| 1 and 2 Room Flat | 4.87 |
| 3 Room Flat | 24.59 |
| 4 Room Flat | 33.18 |
| 5 Room and Executive Flats | 18.41 |
| Condominium and Apartments | 8.28 |
| Landed | 5.41 |
| Others | 5.26 |
| **Houshold Size** | |
| Median Size = 2, Mean Size = 2.13, Std. Dev. = 1.21 | |
| 1 | 36.20 |
| 2 | 34.75 |
| 3 | 17.05 |
| 4 | 7.16 |
| 5 | 3.17 |
| 6 | 0.97 |
| 7 | 0.38 |
| 8 | 0.24 |
| 9 | 0.08 |
| **Educational Attainment** | |
| None/Primary | 23.33 |
| Secondary | 41.09 |
| Post-Secondary | 35.57 |
| **Working Status** | |
| Working for Pay | 43.56 |
| Self-Employed | 8.48 |
| Unemployed/Laid Off/On Sick Leave | 6.25 |
| Retired/Homemaker | 38.99 |
| Disabled/Student/Other | 2.72 |

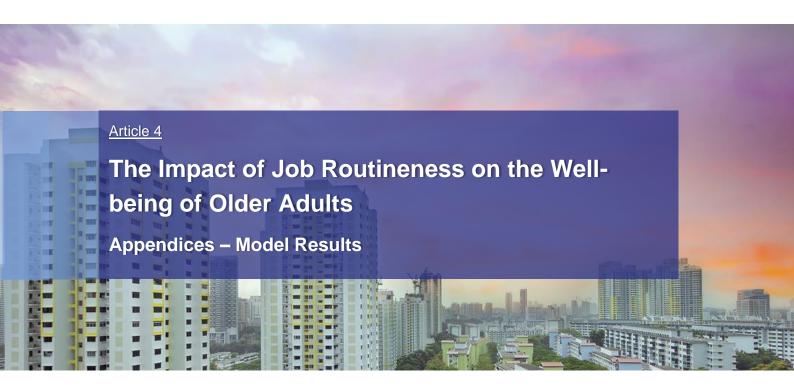## Appendix 2. Caregivers Reaction Assessment

The following questions refer to your preparedness to care for your (*Care Recipient*). Rate each item between 1 (Not at all prepared) to 5 (Very well prepared). How well prepared do you think you are...

|  | Not at all prepared | Not too well prepared | Somewhat well prepared | Pretty well prepared | Very well prepared |
|---|---|---|---|---|---|
| To take care of this person's needs | ● | ● | ● | ● | ● |
| To take care of this person's emotional needs | ● | ● | ● | ● | ● |
| To find out about and set up services for this person | ● | ● | ● | ● | ● |
| For the stress of caregiving | ● | ● | ● | ● | ● |
| To make caregiving activities pleasant for both you and this person | ● | ● | ● | ● | ● |
| To respond and handle emergencies that involve this person | ● | ● | ● | ● | ● |
| To get the help and information you need from the healthcare system | ● | ● | ● | ● | ● |
| Overall, how prepared do you think you are to care for this person? | ● | ● | ● | ● | ● |

## Appendix 3. Multivariate Regression Analysis for Lack of Family Support, Caregiver Esteem, Caregiver Preparedness, predicting Overall Life Satisfaction

| Variables | Model 1 | | | Model 2 | | |
|---|---|---|---|---|---|---|
| | Coeff. | SE | p | Coeff. | SE | p |
| Male | -0.0221 | 0.0530 | 0.497 | -0.0187 | 0.0523 | 0.559 |
| Age | 0.0177 | 0.0044 | 0.575 | 0.0181 | 0.0043 | 0.563 |
| Household Size | 0.0360 | 0.0190 | 0.249 | 0.0238 | 0.0188 | 0.443 |
| Married | 0.0402 | 0.0653 | 0.218 | 0.0322 | 0.0645 | 0.320 |
| Number of Care Recipients | 0.0377 | 0.0168 | 0.231 | 0.0225 | 0.0167 | 0.471 |
| Total Number of Sources of Information | -0.0390 | 0.0118 | 0.211 | -0.0493 | 0.0119 | 0.118 |
| Lack of Family Support | | | | -0.01284 | 0.0336 | 0.000 |
| Caregiver Esteem | | | | 0.0789 | 0.0368 | 0.016 |
| Caregiver Preparedness | | | | | | |

| Variables | Model 3 | | | Model 4 | | |
|---|---|---|---|---|---|---|
| | Coeff. | SE | p | Coeff. | SE | p |
| Male | -0.0266 | 0.0526 | 0.411 | -0.0215 | 0.0522 | 0.503 |
| Age | 0.0121 | 0.0043 | 0.699 | 0.0111 | 0.0043 | 0.723 |
| Household Size | 0.0280 | 0.0190 | 0.369 | 0.0181 | 0.0189 | 0.559 |
| Married | 0.0330 | 0.0647 | 0.310 | 0.0273 | 0.0543 | 0.398 |
| Number of Care Recipients | 0.0303 | 0.0168 | 0.335 | 0.0205 | 0.0166 | 0.511 |
| Total Number of Sources of Information | -0.0439 | 0.0118 | 0.159 | -0.0479 | 0.0119 | 0.128 |
| Lack of Family Support | | | | -0.1266 | 0.0338 | 0.000 |
| Caregiver Esteem | | | | 0.0485 | 0.0396 | 0.168 |
| Caregiver Preparedness | 0.1453 | 0.0294 | 0.000 | 0.1007 | 0.0319 | 0.003 |
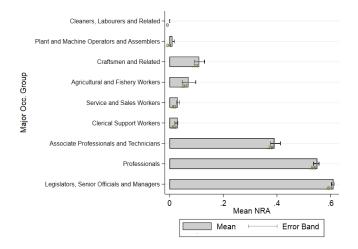
Article 4

# The Impact of Job Routineness on the Well-being of Older Adults

## Appendices – Model Results
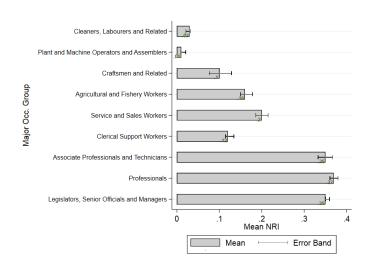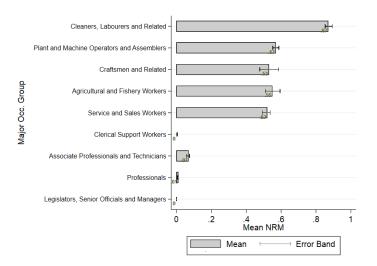
## APPENDIX 1: WELL-BEING SURVEY QUESTIONS AND RESPONSES
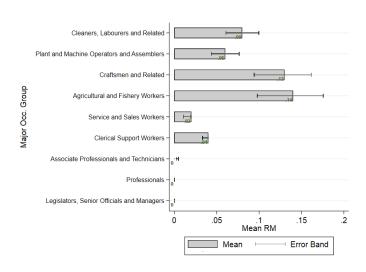
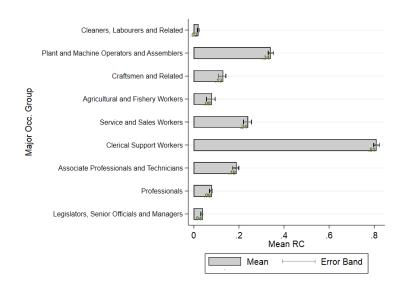| Well-being Quadrant | Well-being Indicator | Question | Responses |
|---|---|---|---|
| Life | Overall Satisfaction | How satisfied are you with your life as a whole these days? | 1. Very Satisfied<br>2. Satisfied<br>3. Neither Satisfied nor Dissatisfied<br>4. Dissatisfied<br>5. Very Dissatisfied |
| Social | Social Satisfaction | How satisfied are you with your social contacts and family life? | |
| Economic | Economic Situation Satisfaction | How satisfied are you with your overall economic situation? | |
| | Income Satisfaction | How satisfied are you with the total income of your household? | |
| Mental | Job Satisfaction | How satisfied are you with your daily activities and, if you are working, your job? | |
| Physical | Health Satisfaction | How satisfied are you with your health? | |
| | Self-reported Health | Would you say your health is excellent, very good, good, fair, or poor? | 1. Excellent<br>2. Very Good<br>3. Good<br>4. Fair<br>5. Poor |

## APPENDIX 2: MEAN ROUTINENESS SCORES BY OCCUPATIONAL CATEGORY

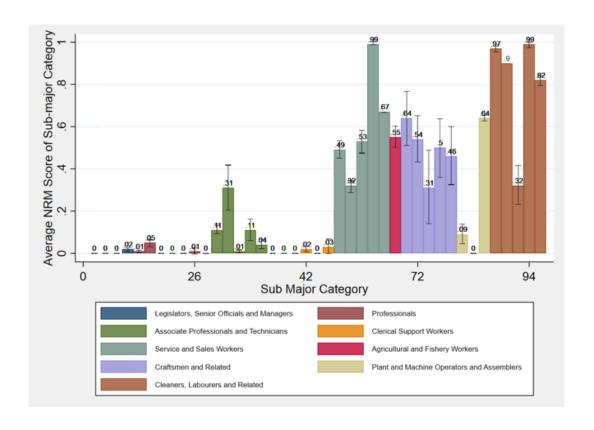## APPENDIX 3: DISTRIBUTIONS OF RESPONDENTS BY WELL-BEING RESPONSE CATEGORY



Job Satisfaction of Respondents (s003)



Income Satisfaction of Respondents (s004)

## Economic Satisfaction of Respondents (s005)



**Legislators, Senior Officials and Managers**
2.33 | 11.29 | 35.27 | 47.61 | 3.49

**Professionals**
2.1 | 9.12 | 33.05 | 50.31 | 5.43

**Associate Professionals and Technicians**
1.51 | 14.5 | 38.22 | 43.81 | 1.96

**Clerical Support Workers**
2.84 | 12.16 | 41.55 | 40.92 | 2.53

**Service and Sales Workers**
4.17 | 12.16 | 43.56 | 37.21 | 2.9

**Agricultural and Fishery Workers**
22.22 | 44.44 | 33.33

**Craftsmen and Related**
6.25 | 10.42 | 45.83 | 35.42 | 2.08

**Plant and Machine Operators and Assemblers**
5.32 | 15.52 | 43.46 | 33.7 | 2

**Cleaners, Labourers and Related**
3.88 | 11.19 | 46.8 | 36.76 | 1.37

Legend:
- Very Unsatisfied
- Unsatisfied
- Neutral
- Satisfied
- Very Satisfied

## Self-Reported Health of Respondents (h001)



**Legislators, Senior Officials and Managers**
2.21 | 24.33 | 54.02 | 16.41 | 3.03

**Professionals**
3.45 | 26.76 | 49.32 | 17.14 | 3.33

**Associate Professionals and Technicians**
1.81 | 27.19 | 54.08 | 14.95 | 1.96

**Clerical Support Workers**
6.48 | 30.65 | 48.5 | 12.95 | 1.42

**Service and Sales Workers**
4.72 | 29.95 | 50.64 | 12.89 | 1.81

**Agricultural and Fishery Workers**
11.11 | 11.11 | 66.67 | 11.11

**Craftsmen and Related**
5.56 | 27.78 | 51.39 | 13.19 | 2.08

**Plant and Machine Operators and Assemblers**
5.76 | 29.49 | 50.55 | 12.2 | 2

**Cleaners, Labourers and Related**
6.85 | 33.79 | 43.38 | 14.16 | 1.6

Legend:
- Very Unsatisfied
- Unsatisfied
- Neutral
- Satisfied
- Very Satisfied

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## Health Satisfaction of Respondents (s006)



**Legislators, Senior Officials and Managers**
- .81
- 7.92
- 29.92
- 56.81
- 4.54

**Professionals**
- 1.85
- 9.25
- 29.1
- 55.36
- 4.44

**Associate Professionals and Technicians**
- 1.06
- 7.85
- 33.53
- 54.68
- 2.87

**Clerical Support Workers**
- 2.84
- 9.64
- 33.65
- 50.87
- 3

**Service and Sales Workers**
- 2.72
- 10.16
- 34.48
- 49.73
- 2.9

**Agricultural and Fishery Workers**
- 22.22
- 22.22
- 55.56

**Craftsmen and Related**
- 4.17
- 10.42
- 29.86
- 52.78
- 2.78

**Plant and Machine Operators and Assemblers**
- 2
- 9.98
- 36.36
- 49
- 2.66

**Cleaners, Labourers and Related**
- 1.83
- 12.33
- 39.73
- 42.92
- 3.2

Legend:
- Very Unsatisfied
- Unsatisfied
- Neutral
- Satisfied
- Very Satisfied

## APPENDIX 4: PAIRWISE DIFFERENCE T-TEST BETWEEN MANAGERIAL, PROFESSIONAL, GOVERNANCE OCCUPATIONS AND OTHER OCCUPATIONS

| Well-being Quadrant | Well-being Indicator | Contrast | p-value |
|---|---|---|---|
| Life | Overall Satisfaction | 0.14 | < 0.001 |
| Social | Social Satisfaction | 0.12 | < 0.001 |
| Economic | Economic Situation Satisfaction | 0.14 | < 0.001 |
| | Income Satisfaction | 0.20 | < 0.001 |
| Mental | Job Satisfaction | 0.18 | < 0.001 |
| Physical | Health Satisfaction | 0.14 | < 0.001 |
| | Self-reported Health | 0.17 | < 0.001 |

## APPENDIX 5: CORRELATIONS BETWEEN ROUTINENESS SCORES AND WELL-BEING INDICATORS

**NRA**

| Well-being Quadrant | Well-being Indicator | Pearson |
|---|---|---|
| Life | Overall Satisfaction | 0.0888 |
| Social | Social Satisfaction | 0.0819 |
| Economic | Economic Situation Satisfaction | 0.1018 |
| | Income Satisfaction | 0.1075 |
| Mental | Job Satisfaction | 0.0691 |
| Physical | Self-reported Health | 0.0960 |
| | Health Satisfaction | 0.0749 |

**NRI**

| Well-being Quadrant | Well-being Indicator | Pearson |
|---|---|---|
| Life | Overall Satisfaction | 0.0857 |
| Social | Social Satisfaction | 0.0855 |
| Economic | Economic Situation Satisfaction | 0.1043 |
| | Income Satisfaction | 0.1012 |
| Mental | Job Satisfaction | 0.0855 |
| Physical | Self-reported Health | 0.0966 |
| | Health Satisfaction | 0.0832 |

**NRM**

| Well-being Quadrant | Well-being Indicator | Pearson |
|---|---|---|
| Life | Overall Satisfaction | -0.0897 |
| Social | Social Satisfaction | -0.0705 |
| Economic | Economic Situation Satisfaction | -0.1062 |
| | Income Satisfaction | -0.1136 |
| Mental | Job Satisfaction | -0.0664 |
| Physical | Self-reported Health | -0.0783 |
| | Health Satisfaction | -0.0726 |

**RC**

| Well-being Quadrant | Well-being Indicator | Pearson |
|---|---|---|
| Life | Overall Satisfaction | -0.0527 |
| Social | Social Satisfaction | -0.0523 |
| Economic | Economic Situation Satisfaction | -0.0432 |
| | Income Satisfaction | -0.0342 |
| Mental | Job Satisfaction | -0.0430 |
| Physical | Self-reported Health | -0.0666 |
| | Health Satisfaction | -0.0407 |

**RM**
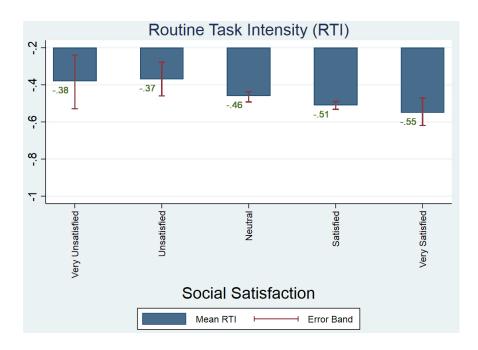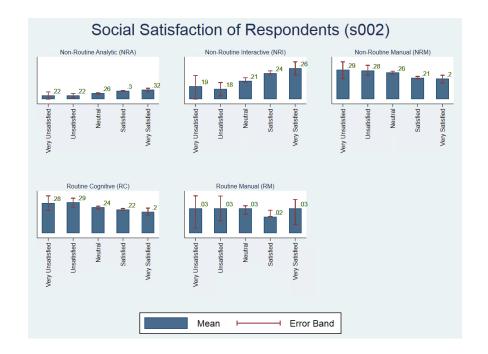
| Well-being Quadrant | Well-being Indicator | Pearson |
|---|---|---|
| Life | Overall Satisfaction | -0.0101 |
| Social | Social Satisfaction | -0.0137 |
| Economic | Economic Situation Satisfaction | -0.0133 |
| | Income Satisfaction | -0.0288 |
| Mental | Job Satisfaction | -0.0176 |
| Physical | Self-reported Health | -0.0226 |
| | Health Satisfaction | -0.0151 |

**RM**
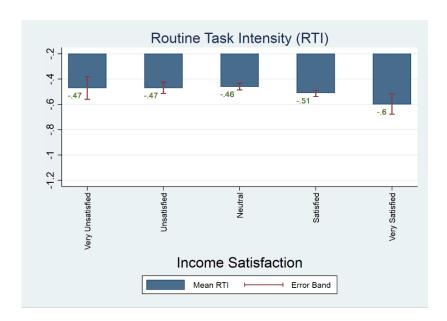
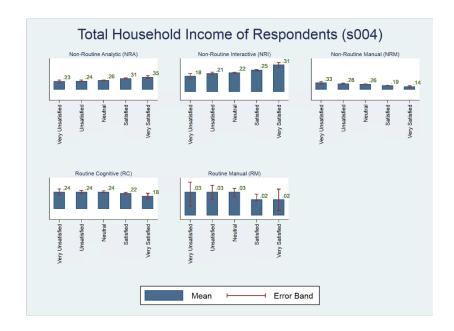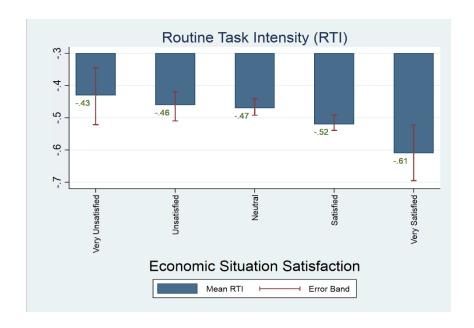## APPENDIX 6: ROUTINENESS SCORES BY RESPONSE TO OTHER WELL-BEING QUESTIONS
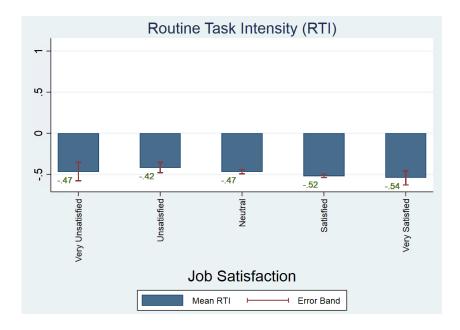
**SOCIAL SATISFACTION**



Routine Task Intensity (RTI)



Social Satisfaction of Respondents (s002)
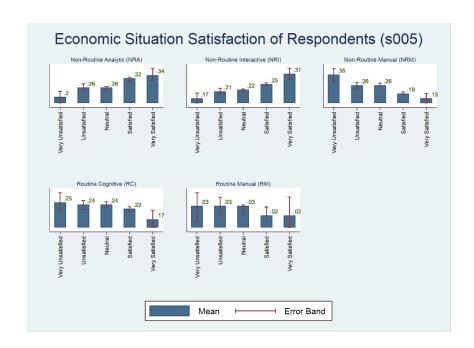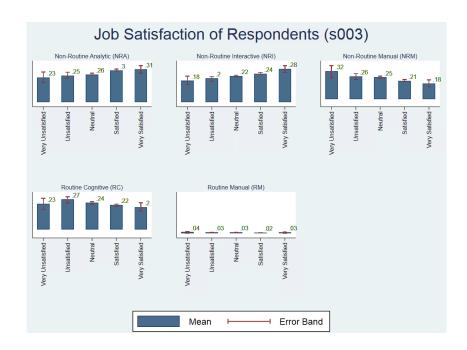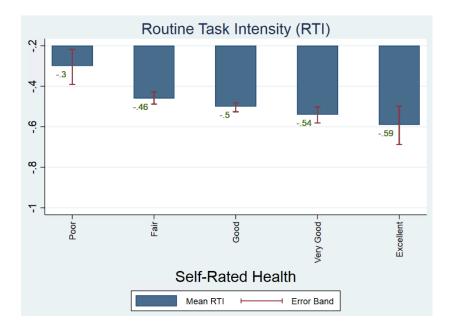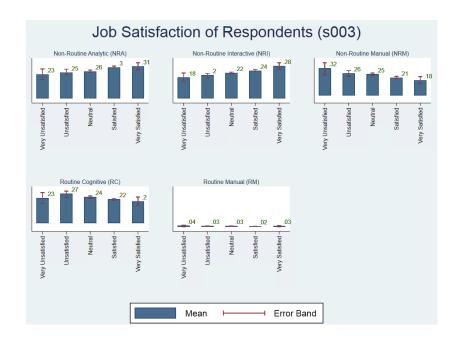
**INCOME SATISFACTION**

**ECONOMIC SITUATION SATISFACTION**

**JOB SATISFACTION**

## SELF-REPORTED HEALTH

**HEALTH SATISFACTION**