LISA

CRDCN pre-conference workshop

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Introduction

- The Longitudinal and International Study of Adults (LISA) is a new Canadian longitudinal social survey, sponsored by Human Resources and Skills Development Canada (HRSDC) and administered by Statistics Canada.

- LISA was developed to provide longitudinal information on labour market, education/training/skills and family experiences.

- LISA 2012 (wave-1) data is expected to be disseminated to the Canadian Research Data Centre Network (CRDCN) in late 2013.

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Introduction

- An important feature of LISA wave-1 is that it entered the field in a coordinated collection effort with the 2011-12 cycle of the Programme for International Assessment of Adult Competencies (PIAAC).

    - PIAAC and LISA shared some sample, making PIAAC assessments available from some LISA sample members

- A second important feature of the first wave of LISA is that it includes a data replacement strategy using administrative data.

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Overview of LISA 2012

- The LISA 2012 is a longitudinal household survey in which all household members are selected to be permanent sample members.

- In multi-person households, effort was made to interview each household member.

- LISA intends to follow permanent sample members over time with an interview occurring every two years.

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Overview of LISA 2012

- The LISA data collection instrument contains five parts, comprising both survey components and administrative data components:

- The household roster:
- The questionnaire component:
- The PIAAC component:
- The 2011 income component:
- The historical administrative data component:

Overview of LISA 2012

- The household roster:

- collected at the first contact with a LISA responding household.

- a preliminary interview that captures the basic relationships among the persons residing in the sampled dwelling

- name, age, sex and marital status of each dwelling resident is recorded, as is the relationship of each member to each other member.

Overview of LISA 2012

- The questionnaire component:

- the survey component that is asked of each respondent.
- the questionnaire is tailored to the particular situation of each respondent, so not all respondents get all questions.
- contains immigrant status, Aboriginal status, activity limitations, labour market characteristics, educational attainment, health, language, some history

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Overview of LISA 2012

- The PIAAC component:

- survey of skills used at work
- assessments of "problem solving assessments in a technology rich environment", numeracy, literacy and reading

Overview of LISA 2012

- The 2011 income component:

- an administrative data component representing information retrieved from the sample member's 2011 T1 income return.
- In the event that an income value could not be retrieved for that member, an imputed value is substituted.

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Overview of LISA 2012

- The historical administrative data component:

- provides previous years of administrative data for respondents, in years in which it is available.

  - Detailed family and individual earnings, transfers and income information is available from the T1 Family File (T1FF) dating back to 1982.
  - Historical and contemporary data of earnings and employers are made available by the T4 slip issued to all paid employees by their employer for the purposes of declaring income taxes. These data are available starting in 2000.
  - Pension plan information from the Pension Plan in Canada (PPIC) file is also available commencing in 2000.
  - Additional years of administrative data will be matched to the LISA on an on-going basis.

About the Sample

Types of permanent sample members

Respondents

1.   *PIAAC respondents* consists of those sample members who were selected and responded to the questionnaire and PIACC components

2.   *Other respondents* consists of those sample members who responded to the questionnaire component only

Enumerated, but not respondents

3.   *Non-responding children* were age 0-14 at the time of the interview, and were not interviewed

4.   *Enumerated non-respondents* were aged 15 or older and lived in responding households, but could not be interviewed.

Information availability for different types of Permanent Sample Members

	Number of observations	Information available				
		The household roster: Age, sex, marital status, relationship to household members	**The questionnaire component:** Immigrant, Aboriginal Status, Activity limitations, Labour market characteristics, Educational attainment, Health, Language	**The PIAAC component:** PIAAC assessments, Survey of skills used at work	**The 2011 income component:** Personal and Household income for 2011 (1)	**The historical administrative data component:** Historical T1FF, T4 and PPIC data (2)
PIAAC respondents	8,598	Y	Y	Y	Y	Y
Other respondents	15,328	Y	Y		Y	Y
Children	5,264	Y			Y	
Enumerated non-respondents	2,943	Y			Y	
	32,133					

(1) Personal income is imputed for children and enumerated non-respondents, household income equals the sum of imputed and not imputed incomes for the household members.

(2) Data is available conditional upon forming a match to the source administrative data files

Weighting

- PIAAC Responding Person Weight (IRPW)

- Responding Person Weight (RPW)

- Enumerated Person Weight (EPW)
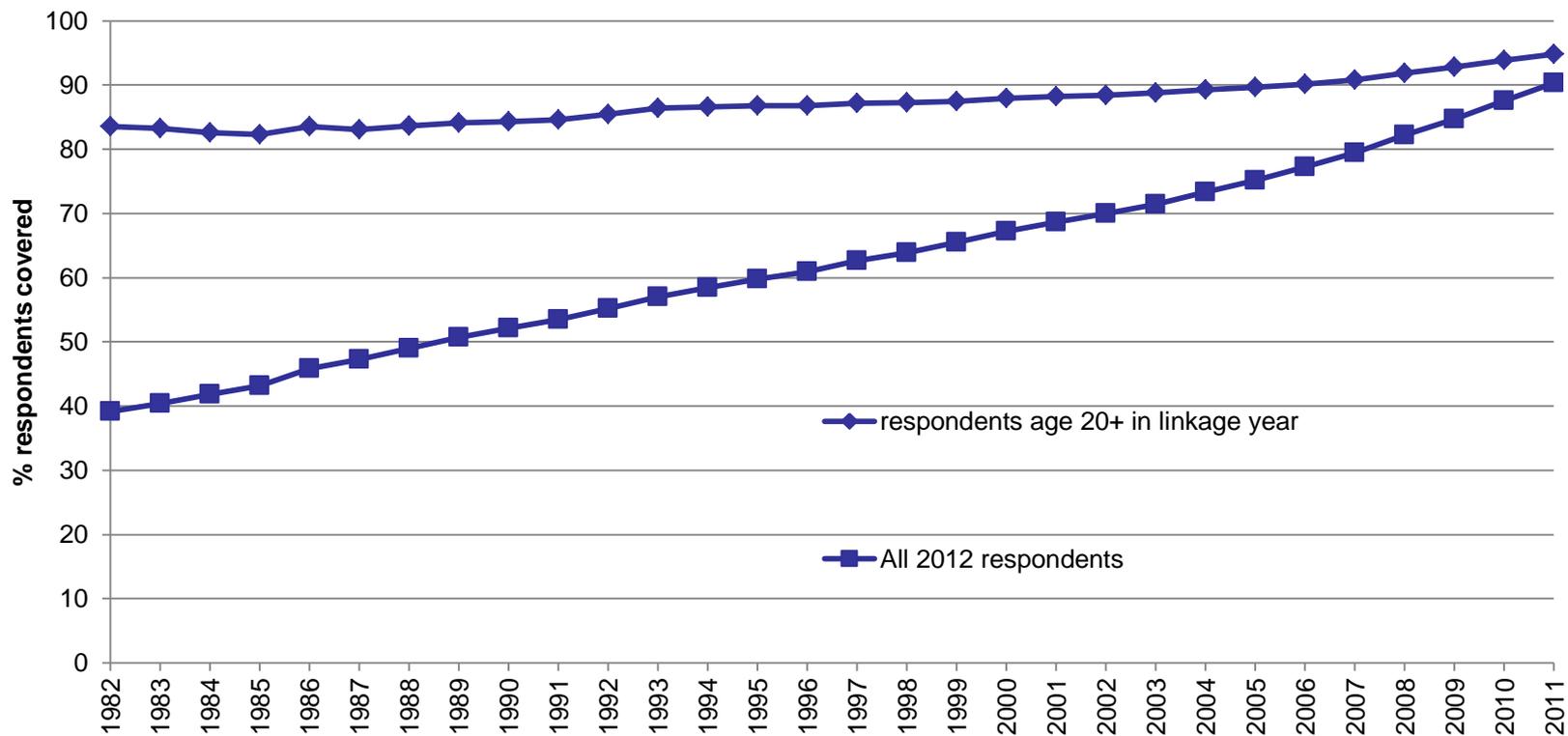
How the data is provided

- LISA 2012 comes as a package of 55 related databases.

- *The questionnaire file*
  - the household roster
  - the questionnaire component including variables and derived variables (for respondents only)
  - the PIAAC skills assessments including derived variables (for PIAAC respondents only)
  - the 2011 income component including actual and imputed personal and family income variables for 2011
  - Survey weights

- 54 *administrative data files*:
  - 1982-2011 databases of personal and family incomes from the T1 Family File (30 files).
  - 2000-2011 databases of earnings and jobs from the T4 file (12 files).
  - 2000-2011 databases of pension plan information from the Pension Plans in Canada (PPIC- 12 files).
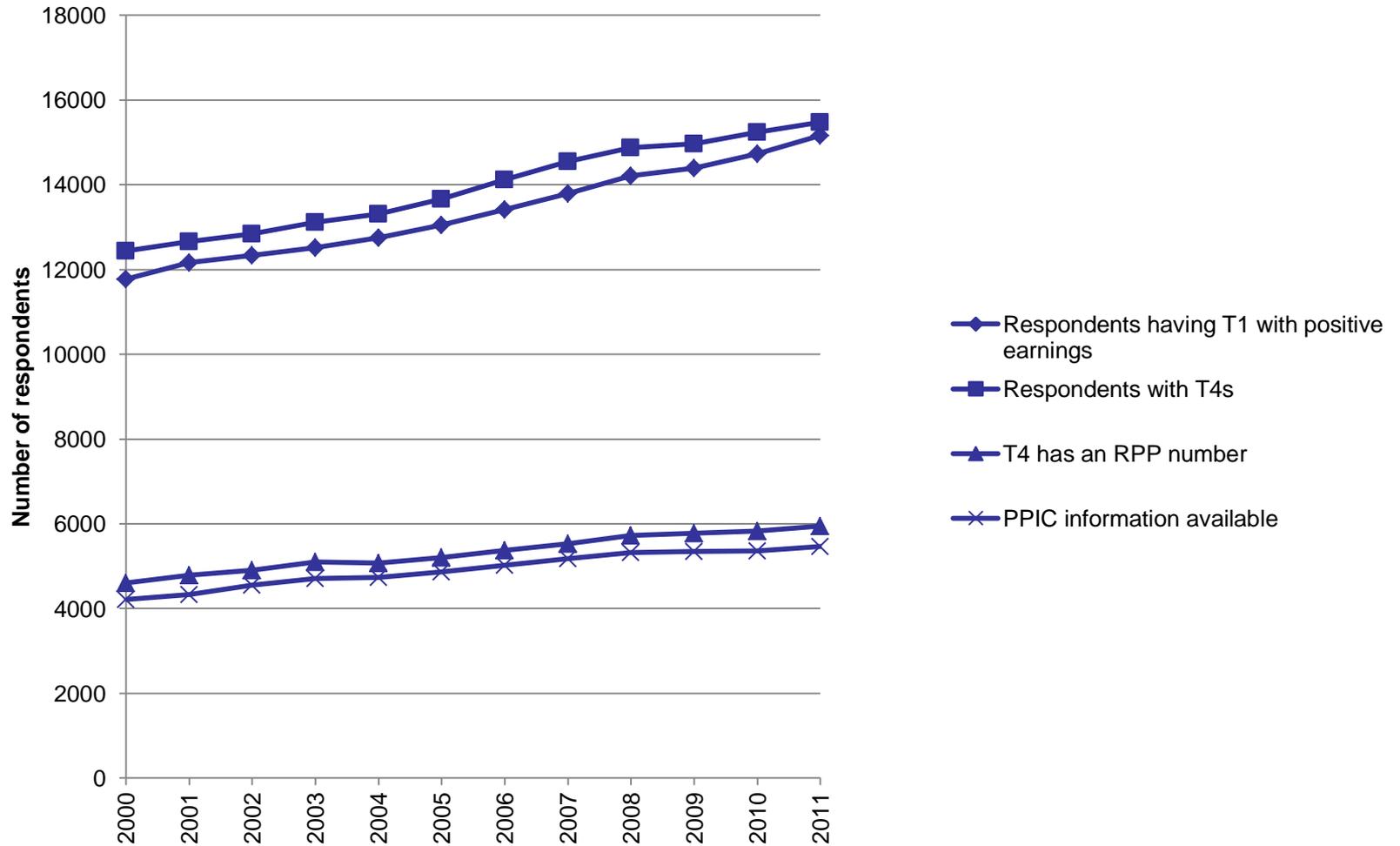
Coverage in the Historical Administrative Data Component

- Coverage in the historical administrative data component is quite high (above 90% in most cases).

- Coverage is lower for older files, which is mainly due to respondents coming into scope over time (which reduces coverage in earlier years). It also may be due to the changing of SIN codes over time (which cannot be controlled for), or issues with the completeness of the files.

- Coverage is improved when restricting cases to those expected to be in scope.

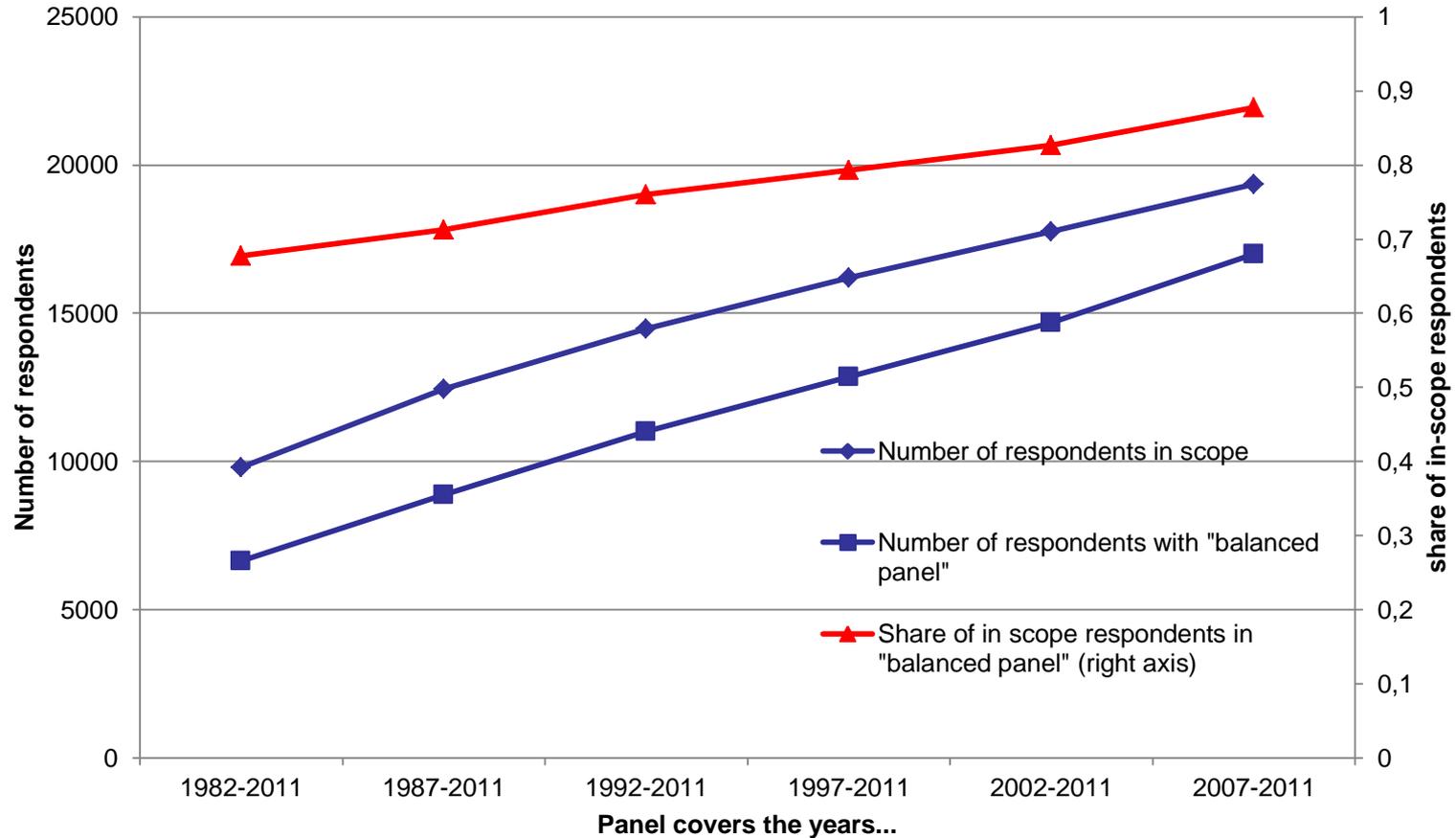- Large, long balanced panels can be created using the data.

Coverage of the T1 data

Coverage of Earners from T1, T4 and PPIC

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Coverage of balanced panels, various lengths, respondents aged 20+ in first year of the panel

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Examples of right-censored (in-progress) continuous job spells on LISA 2012

Pattern*	Number of job spells with this pattern	Percentage of all job spells
...........1**	6044	7.3
..........11	3390	4.1
.........111	1856	2.2
........1111	1491	1.8
.......11111	1125	1.4
......111111	952	1.1
.....1111111	694	0.8
....11111111	577	0.7
...111111111	471	0.6
..1111111111	400	0.5
.11111111111	374	0.5
111111111111***	2709	3.25
Total number of "person-jobs" on LISA 2012	83,242	

*The pattern column indicates the pattern of observing the job in each year from 2000 to 2011. A "." Indicated the job was not observed in that year. A "1" indicates it was observed in that year.

**The "pattern" here indicates the job commenced in 2011 ("." Values for 2000-2011, followed by a "1" value for 2011)

*** The "pattern" here indicates the job was observed in every year from 2000 to 2011 ("1" values for every year from 2000 to 2011)

LISA wave-2

- LISA data will be collected biennially, with the second wave of collection starting in January 2014.

Topic areas for LISA wave-2

• Labour	• Education
• Learning, training and skills	• Family changes
• Care giving	• Retirement
• Disability	• Child health
• Health	• Personality (Big 5)
• Some biography	• Satisfaction

Questions or comments

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