

PIAAC – Facts and impacts

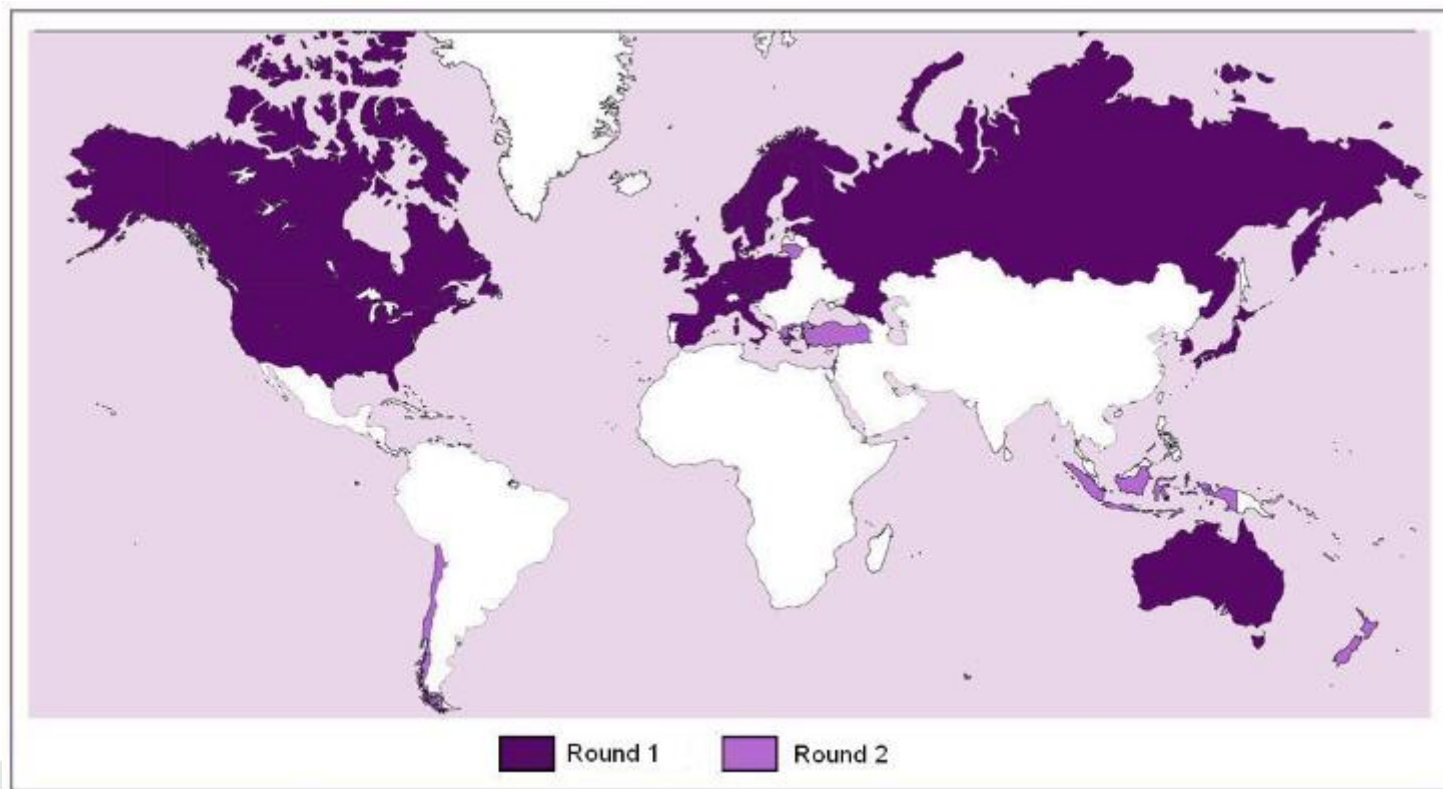
Xeni Kristine Dimakos, Director, Head of the
Research Department



OCTOBER						2013
S	M	T	W	T	F	S
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Who's in?

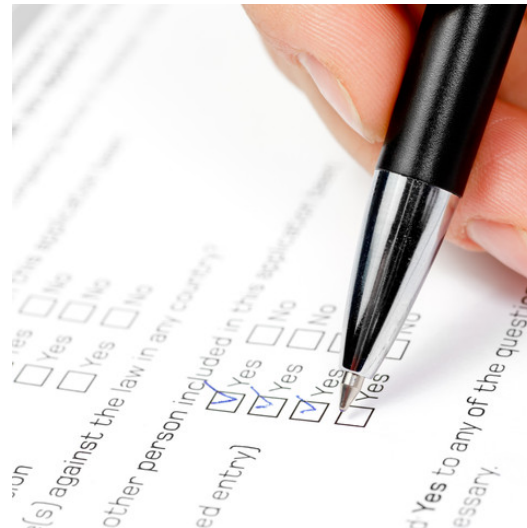
- 24 countries: Australia, **Austria**, **Belgium** (Flanders), Canada, **Czech republic**, Cyprus, **Denmark**, **Estonia**, **Finland**, **France**, **Germany**, **Ireland**, Italy, Japan, Korea, **Netherlands**, **Norway**, Poland, Russia, Slovak republic, **Spain**, Sweden, **UK**, USA
- Later: Chile, Greece, Indonesia, Israel, Lithuania, New Zealand, Singapore, Slovenia, Turkey (Data collection in 2013, results in 2016)



What's measured...



... and how

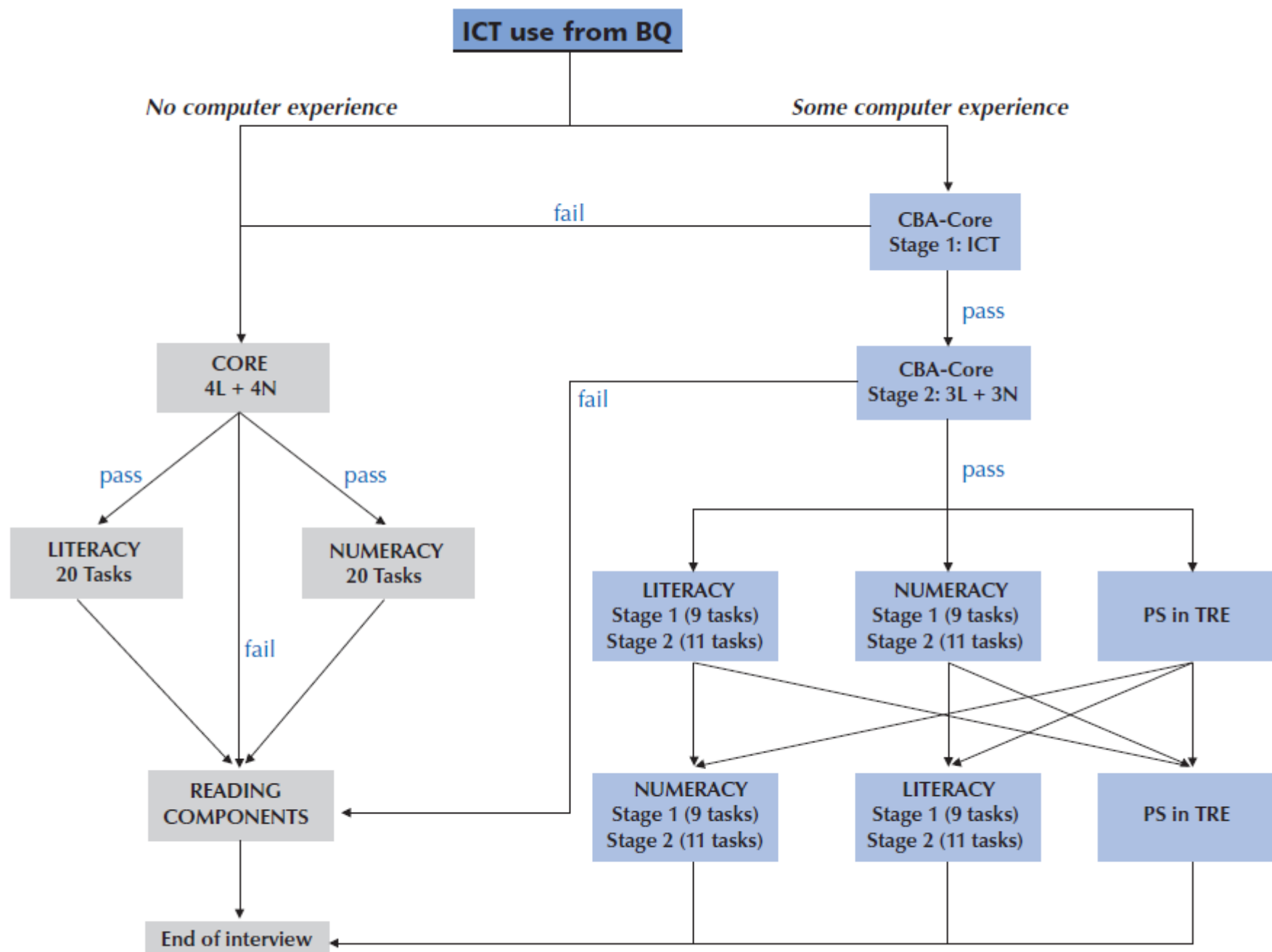


Compared to ALL and IALS

Skills Assessed in PIAAC, ALL and IALS

PIAAC (2012)	ALL (2004-2006)	IALS (1994-1998)
Literacy (combined prose and document)	Literacy (combined prose and document*)	Literacy (combined prose and document*)
	Prose literacy	Prose literacy
	Document literacy	Document literacy
Reading components		
Numeracy	Numeracy	
		Quantitative literacy
Problem solving in technology-rich environments		
	Problem solving	

*Rescaled to form a single literacy scale combining the former separate prose and document literacy scales.



The reading components

- Concept: The «meaning construction process of reading» is built upon a knowledge of how one's language is represented in one's writing system – that is, component print skills.
- The tests measures ability and efficiency in processing elements of the written language
- Also speed

Word meaning
Sentence processing
Passage comprehension

Word meaning

Sentence
processing

Passage
comprehension

Sample

Sample Sentences:

Sample Passage:

To the editor: Yesterday, it was announced that the cost of riding the bus will increase. The price will go up by twenty percent starting next wife / month. As someone who rides the bus every day, I am upset by this foot / increase. I understand that the cost of gasoline / student has risen. I also understand that riders have to pay a fair price / snake for bus service. I am willing to pay a little more because I rely on the bus to get to object / work. But an increase / uncle of twenty percent is too much.

shou

A person who is twenty years old is older than a person who is thirty years old.

YES

NO

Background questionnaire

- General information
- Education and training
- Current status and work history
- Current or recent work
- Skills used at work
- Skill use literacy
- Skill use numeracy, ict
- About yourself
- Background information

More about education and training

- Current and past completed education
- Formal education and organized training
- Number of activities and estimated volume (time), last 12 months
- Motivation, now and in the past
- Workplace involvement

Nordic activities

- Norway, Sweden, Denmark, Finland, Estonia
- Cooperation and work financed by Nordic Council of Ministers
- Will merge PIAAC and national data on micro level to create a unique nordic database
- Researchers may apply for access
- Nordic report in 2014

International data

- Data explorer: Statistics, figures and tables
- PUF: Anonymized and slightly aggregated data on micro-level.

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Planned thematic papers, OECD

- **The use of skills in the workplace**
- Skills and labour market outcomes
- Skills mismatch
- **A closer look at the population with low levels of proficiency**
- **Digital literacy, problem solving in TRL, ICT use**
- Trends, ageing and the determinants of skills
- **Skills and participation patterns in adult education**
- Cognitive foundation skills of youth
- Social outcomes of skills
- Skills and GDP growth
- The skills and qualifications of immigrants

Impacts



Knowledge



Policy



Change

Recommendation to EBSN

- Be prepared!
- Cooperate with the national coordinators of PIAAC
- Use resources to convert knowledge to policy (BtB?)



Example tasks

Literacy, level 2

Unit 2 - Question 1/3

Look at the exercise equipment chart.
Click on the chart to answer the
question below.

Which muscles will benefit most if you
use the gym bench?



Physical Exercise Equipment

How to choose?

- 1 Decide what effect you want the exercise to have on your body.
- 2 Assess the space you have available at home.
- 3 Choose the equipment that suits your objectives. If necessary ask a specialist for advice.

For example:

OBJECTIVE	STRATEGY	EQUIPMENT
Burn off calories	Cardiovascular exercises	Rowing machine, Bicycle, Skimachine, Treadmill, Stairs, ...
Strengthen your muscles	Endurance exercises	Bench for Press-ups, Weights and Dumbbells, Elastic Tubes,

Effects on...	Cardio-Training				
	Exercise bicycle	Rowing machine	Stepper	Tread-mill	Air trainer

Muscle Building							
Dumb-bells, weights	Elastic	Gym bench	Muscle-building bench	Multi-trainer	AB trimmer	AB shaper	AB roller

Arm strength	Ineff-ective	Good	Average	Ineff-ective	Good
Leg strength	Good	Very good	Average	Very good	Good
Abdominal muscles	Average	Very good	Good	Good	Average
Overall muscle building	Ineff-ective	Very good	Ineff-ective	Average	Ineff-ective
Heart/arteries	Very good	Good	Very good	Very good	Good
Flexibility	Ineff-ective	Good	Ineff-ective	Ineff-ective	Average
Joints	Good	Very good	Good	Good	Good
Slimming	Good	Average	Very good	Good	Good
Dangers	None	Back	None	Legs	

Very good	Very good	Good	Good	Good	Very good	Good	Good
Ineff-ective	Good	Average	Good	Good	Ineff-ective	Good	Good
Ineff-ective	Good	Very good	Good	Average	Very good	Very good	Very good
Average	Good	Good	Good	Average	Good	Good	Good
Ineff-ective	Average	Average	Average	Good	Average	Average	Average
Average	Average	Good	Ineff-ective	Ineff-ective	Average	Good	Good
Good	Average	Average	Good	Good	Average	Average	Average
Ineff-ective	Average	Good	Average	Average	Good	Good	Good

It is best to learn to use these types of apparatus properly before you make a major effort

Literacy, level 3

Unit 1 - Question 1/3

Look at the list of preschool rules.
Highlight information in the list to
answer the question below.

What is the latest time that children
should arrive at preschool?

Preschool Rules

Welcome to our Preschool! We are looking forward to a great year of fun, learning and getting to know each other. Please take a moment to review our preschool rules.

- Please have your child here by 9:00 am.
- Bring a small blanket or pillow and/or a small soft toy for naptime.
- Dress your child comfortably and bring a change of clothing.
- Please no jewelry or candy. If your child has a birthday please talk to your child's teacher about a special snack for the children.
- Please bring your child fully dressed, no pajamas.
- Please sign in with your full signature. This is a licensing regulation. Thank you.
- Breakfast will be served until 7:30 am.
- Medications have to be in original, labeled containers and must be signed into the medication sheet located in each classroom.
- If you have any questions, please talk to your classroom teacher or to Ms. Marlene or Ms. Tree.



Numeracy, level 3

Unit 5 - Question 2/2

Look at the graph about the number of births. Click to answer the question below.

During which period(s) was there a decline in the number of births? Click all that apply.

- ☐ 1957 - 1967
- ☐ 1967 - 1977
- ☐ 1977 - 1987
- ☐ 1987 - 1997
- ☐ 1997 - 2007



The following graph shows the number of births in the United States from 1957 to 2007. Data are presented every 10 years.



Problem solving in TRE, level 2

OECD PIAAC
Section 1

You want to copy some music files to your portable music player.

The music player has room for 20 MB and you want as many files as possible. You want to include only jazz and rock music.

Select the files to include.

Once you have selected the files, click Next to continue.

	Title	Size	Time	Artist	Genre
☐	A Foreign Affair	14.8 MB	11:40	Don Rader Quartet	Jazz
☐	About the Blues	4.3 MB	3:08	Julie London	Blues
☐	Another Mind	7.8 MB	8:44	Hiromi Uehara	Jazz
☐	Blue Trane	10 MB	9:03	John Coltrane	Jazz
☐	Don't Give up on Me	3.5 MB	3:45	Solomon Burke	Blues
☐	Far Out	5.3 MB	5:25	Antonio Farao	Jazz
☐	Fire and Water	5.3 MB	4:00	Free	Blues
☐	If	4.9 MB	5:48	Myriam Alter	Jazz
☐	Imagine	2.2 MB	3:04	John Lennon	Rock
☐	Inclined	7.1 MB	5:59	Carol Welsman	Jazz
☐	On an Island	16 MB	6:47	David Gilmore	Blues
☐	Pass It On	3.1 MB	3:36	Albert Calvo	Jazz
☐	Raindrops, Raindrops	5.2 MB	3:46	Karin Krog	Jazz
☐	Say You Will	8.8 MB	3:47	Fleetwood Mac	Rock
☐	Skin Deep	7.1 MB	4:28	Buddy Guy	Blues
☐	Speak No Evil	6.9 MB	5:13	Flora Purim	Jazz
☐	The Other Side of Blue	6.5 MB	5:08	Jean Shy & Jobo	Jazz
☐	The Rise	7.3 MB	7:28	Julien Lourau	Jazz
☐	The Rising	4.5 MB	4:50	Bruce Springsteen	Rock

Total Size Selected (MB)

←
?
→

Problem solving in Tre, level 4



Section 1

You are looking for a job and have located these five websites.

You want to use a site that does not require you to register or pay a fee.

Bookmark all the sites that meet your requirements.

One you have bookmarked the sites, click Next to go on.

Web

File Edit Bookmarks Help

← → Home Open Search ? URL: →

Web Search  

[Find Your Job – JobSearch.com](#)
The best job search site on the web. Check with us first!
www.jobsearch.com

[Work Links](#)
We connect you with the best jobs on the web.
www.worklinks.com

[Looking for a job?](#)
Start your job search here.
www.careerstarters.com

[Connections.com](#)
We provide access to the best jobs
www.connections.com

[The best jobs online](#)
If you are looking for the perfect job, start right here.
www.greatjobs.com

Web

cont.



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Web

File Edit Bookmarks Help

← → Home Open Search ? URL: <http://www.worklinks.com>

Work Links

Work Links

Connecting you to the BEST Jobs



[Learn More](#)

Thousands of new jobs in the last 7 days
Search job sites, newspapers, associations and company career pages

Web

Cont.



Section 1

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Web

File Edit Bookmarks Help

      URL:

Work Links



Work links

Connecting you to the BEST Jobs

To search for your new job, sign up for Work Links now!

First Name	LastName
Your Email Address	Re-Enter Email
Create a password	Re-Enter Password

\$15.00 for 1 month or \$33.00 for monthly access plan

Credit Card Type:

Credit Card Number:

Expiration Date:

Web