PIAAC Cycle 2

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Overview

- What is PIAAC Cycle 2?

- What's new for Cycle 2?

- Why is this survey important?

- Bonus opportunity while you are waiting for Cycle 2 data

What is PIAAC Cycle 2?

- PIAAC is a household survey of adults 16–65 years of age in 33 participating countries

- It provides the direct assessment of 3 cognitive domains – *literacy*, *numeracy* & and a new domain called *adaptive problem solving*

- Extensive BQ that provides a broad range of information that sheds light on the *distribution of cognitive skills*, *why these skills are important* and *factors that contribute to skill acquisition and decline*

Which countries are participating?

Austria	Hungary*	Portugal
Belgium (Flanders)	Ireland	Romania
Canada	Israel*	Russian Federation
Chile*	Italy	Singapore*
Croatia	Japan	Slovak Republic
Czech Republic	Korea	Spain
Denmark	Latvia	Sweden
Estonia	Lithuania*	Switzerland
Finland	Netherlands	United States
France	Norway	
Great Britain	New Zealand*	
Germany	Poland	

Structure of the background questionnaire

A: Socio–demographic

B: Education & Training

C: Current status / Work History

D: Current Work

E: Last Job

F: Skill use – work

G: Skill use – everyday life

H: Work environment

I: Non–economic outcomes

J: About yourself

K: Social emotional skills (Big 5)

# What's new for Cycle 2?

- Update conceptual frameworks for each of the cognitive domains as well as for the background questionnaire

- Extend the measurement of literacy and numeracy skills by creating new items that reflect the updated frameworks

- Include component measures of both reading and numeracy

- Include adaptive problem solving as a new domain

- Introduce the use of a tablet platform to extend the range of adults who can participate in technology based assessments

- Expand access to and use of log–file and process data

Advantages of Tablet Delivery for Cycle 2

- Expand the types of information collected and the range of adults who are able to participate in technology based assessments

- Improve data quality and scoring efficiency with automated data capture and scoring

- Timing and process data can be collected for items across all participants

- Adaptive testing can be used for all respondents

- Scoring burden is eliminated for countries

- Item–by–country interactions due to delivery differences will be eliminated
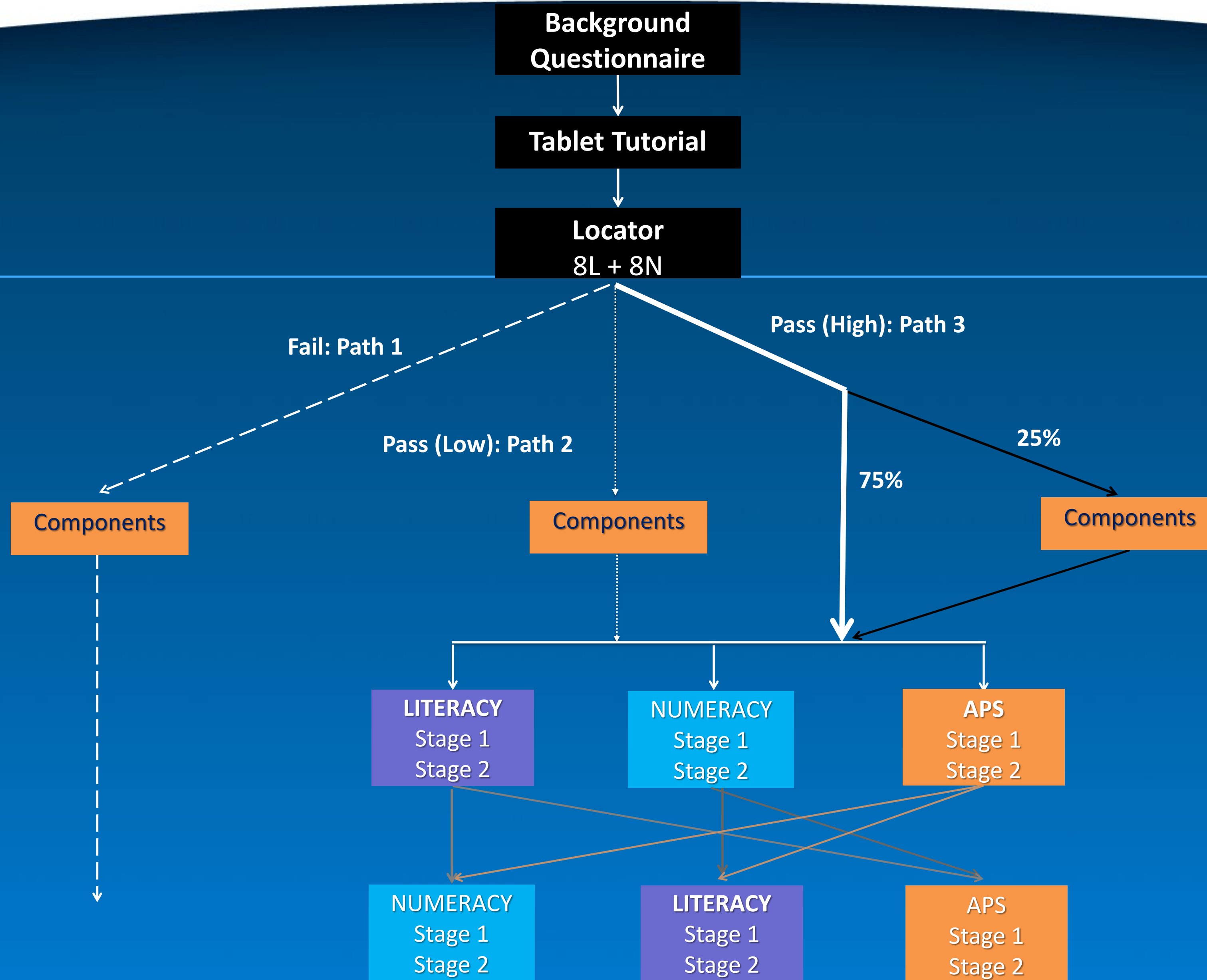
Why is PIAAC an Important Assessment?

- It broadens and complements the type of information that is collected in school based surveys

- It deepens our understanding of the relationships between education, skills and life outcomes

- It provides important information on trends over time and among selected subgroups'

- It draws the interest of a diverse group of researchers

- It will provide increased access to log–file and process data

Additional Cycle 1 data to be available in 2019

	TOTAL	16-34	16-65	>65
2012 / 2014	8670	4138	7921	749
2017	3660	1158	3296	364
2012/14/17	12,330	5,296	11,217	1,113

Questions?

For more information contact:

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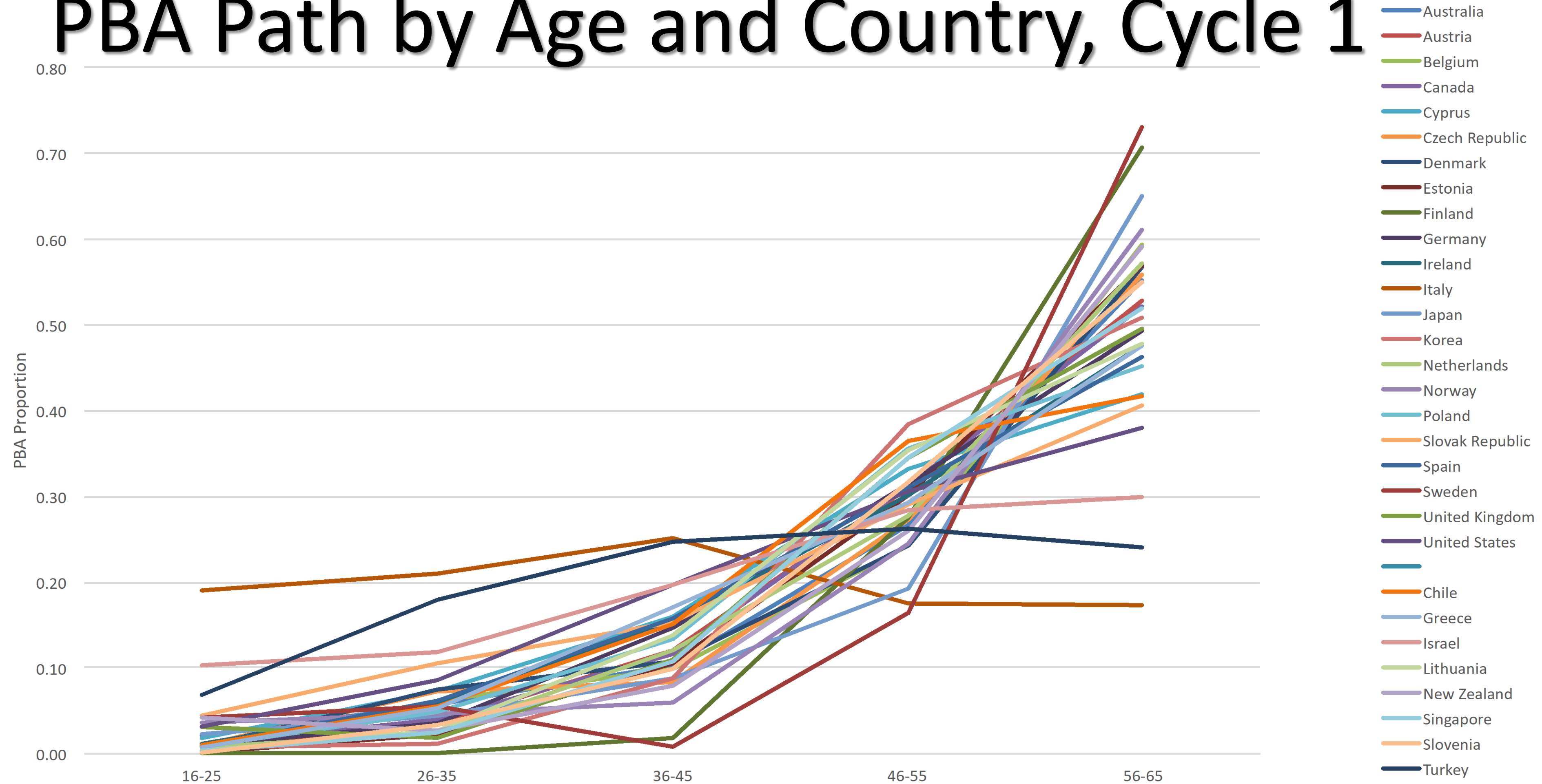### https://www.ets.org/research/report/opportunity/

Global ICT Developments, 2001 - 2017
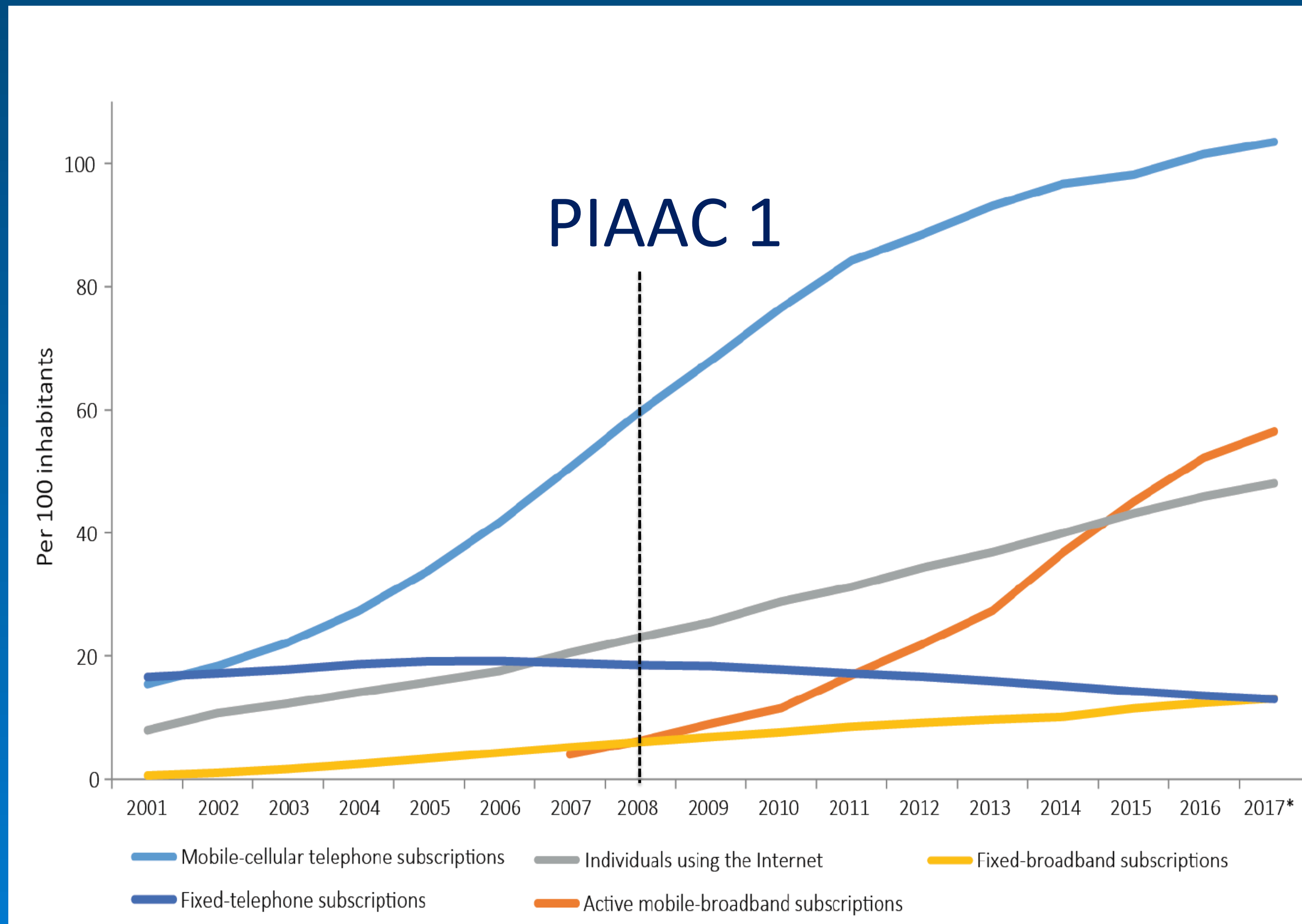
PBA Path by Age and Country, Cycle 1

Nearly half of PBA respondents were above 55 in cycle 1, and they will be above 65.

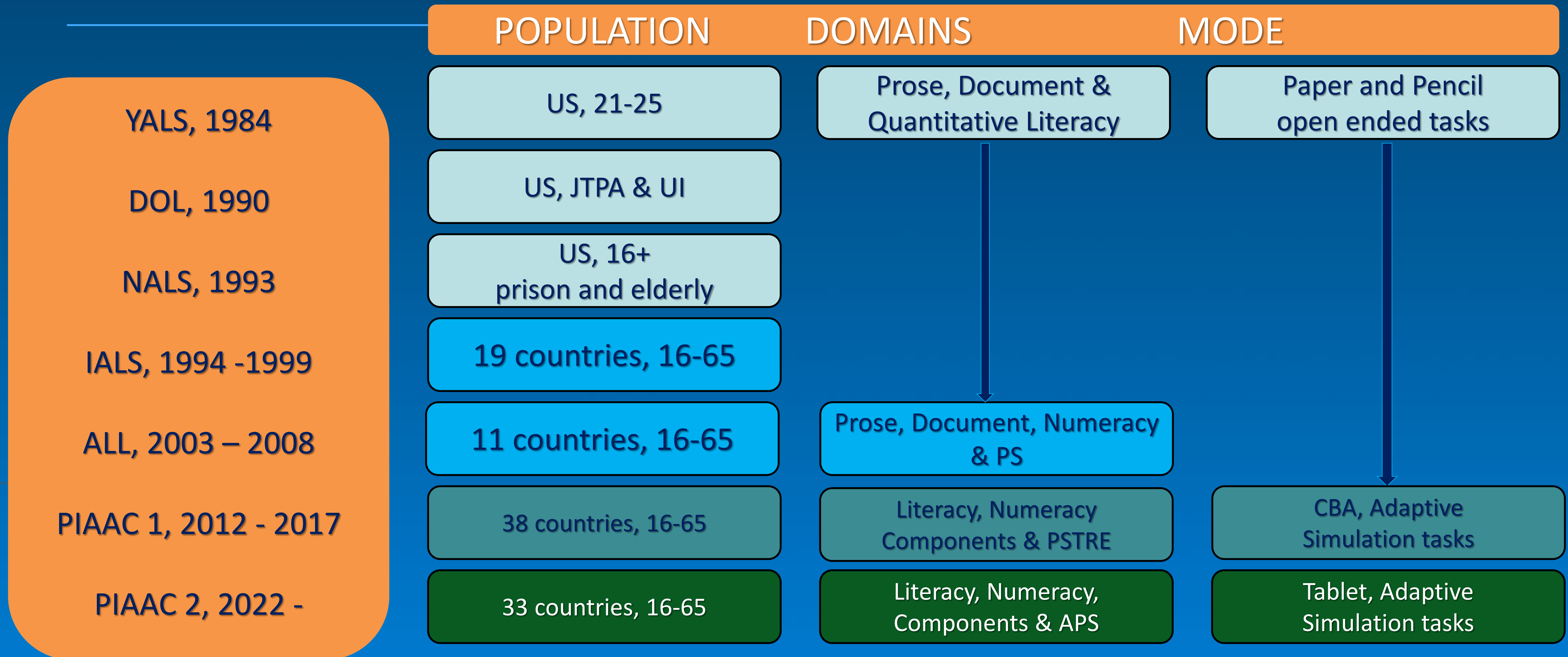# PIAAC Cycle 1 was the first survey of adult skills to ...

- be fully designed as a computer-based assessment

- include a complex design that provides a statistical link over time and across modes

- utilize multi-stage adaptive testing

- include fully automated scoring of open-ended items

- incorporate a broader range of information available in the log files to refine scoring and model proficiency information

Where did PIAAC come from?

	POPULATION	DOMAINS	MODE
YALS, 1984	US, 21-25	Prose, Document & Quantitative Literacy	Paper and Pencil open ended tasks
DOL, 1990	US, JTPA & UI		
NALS, 1993	US, 16+ prison and elderly		
IALS, 1994 -1999	19 countries, 16-65		
ALL, 2003 – 2008	11 countries, 16-65	Prose, Document, Numeracy & PS	
PIAAC 1, 2012 - 2017	38 countries, 16-65	Literacy, Numeracy Components & PSTRE	CBA, Adaptive Simulation tasks
PIAAC 2, 2022 -	33 countries, 16-65	Literacy, Numeracy, Components & APS	Tablet, Adaptive Simulation tasks

The Direct Assessment

LITERACY **NUMERACY** **APS**

Components Components