PIRLS 2016
Data Collected, Reporting Underway

Ina V.S. Mullis and Michael O. Martin

Executive Directors
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57th IEA General Assembly
October 2016, Oslo
Since last General Assembly...

Two major accomplishments for PIRLS and ePIRLS

• Data collection completed
  – Southern Hemisphere Oct-Dec
  – Northern Hemisphere Mar-Jun

• International Reports underway
PIRLS 4th Grade - Participants

Australia
Austria
Azerbaijan
Bahrain
Belgium (Fl)
Belgium (Fr)
Bulgaria
Canada*
Chile
Chinese Taipei*
Czech Republic
Denmark*
Egypt (Literacy)
England
Finland
France
Georgia*
Germany
Hong Kong SAR
Hungary
Iran (and Literacy)
Ireland*
Israel*
Italy*
Kazakhstan
Kuwait (Literacy)
Latvia
Lithuania
Macao SAR
Malta
Morocco (and Literacy)
Netherlands
New Zealand
Northern Ireland
Norway*
Oman
Poland
Portugal*
Qatar
Russian Federation
Saudi Arabia
Singapore*
Slovak Republic
Slovenia*
South Africa (Literacy)
Spain
Sweden*
Trinidad & Tobago
United Arab Emirates*
United States*

Benchmarking Participants

Buenos Aires, Argentina
Ontario, Canada
Quebec, Canada
Denmark (Literacy – Gr 3)
Norway (younger grade)
Moscow City, Russia
Eng/Afr – RSA (5th)
Andalusia, Spain
Abu Dhabi, UAE*
Dubai, UAE*

*ePIRLS participant
Survey Operations

- Survey Operations Procedures Units developed and posted
  - Contacting schools and sampling classes
  - Preparing assessment instruments
  - Scoring constructed response items
  - Creating data files

- IEA DPC conducted Data Management Seminar
  - 37 participants from 26 countries, Aug 31-Sep 3 2015
Conducted Scoring Training

- PIRLS scoring training – PIRLS, PIRLS Literacy, and ePIRLS
  - Southern Hemisphere countries in Buenos Aires, Argentina, Nov 9-11, 2015
  - Northern Hemisphere countries in Hong Kong SAR, Feb 28-Mar 4, 2016
Sampling and Instrument Preparation

• Statistics Canada, assisted by IEA DPC, completed sample selection for all countries

• IEA Secretariat worked closely with countries to verify translations of achievement booklets and context questionnaires

• TIMSS & PIRLS International Study Center reviewed layout of final assessment materials
Completed International Quality Control Program

- TIMSS & PIRLS ISC and IEA Secretariat conducted International Quality Control Program
  - Trained Monitors for Southern Hemisphere, Sep 2015
  - Trained Monitors for Northern Hemisphere, Jan 2016
- PIRLS Monitors in 50 countries and 10 benchmarking entities
  - 610 PIRLS/PIRLS Literacy sessions observed
  - 215 ePIRLS sessions observed
Data Processing

- Data submitted to IEA DPC
  - Southern Hemisphere March 2016
  - Northern Hemisphere September 2016

- Quality checks for 81 assessment populations
  - 69 currently at DPC
  - 38 completed and sent to TIMSS & PIRLS International Study Center
Planning the International Reports

All PIRLS Reports now in online format

- **PIRLS 2016 International Results in Reading**
  - Results for PIRLS and PIRLS Literacy

- **ePIRLS 2016 International Results in Online Reading**
  - ePIRLS achievement
  - Performance at PIRLS International Benchmarks
  - Relationship with background characteristics, navigation index
International Reports

PIRLS 2016 International Results in Reading

- International student achievement in reading
- Performance at International Benchmarks
- Achievement by reading purpose and comprehension process
- Home support for learning
- School resources
- School climate
- School discipline and safety
- Teachers and Principal preparation
- Classroom instruction
- Student attitudes
Also Online

• **PIRLS 2016 Encyclopedia**
  - Country-level data gathered through the Curriculum Questionnaire
  - Individual chapters submitted by each participating country

• **Methods and Procedures in PIRLS 2016**
  - Documents technical aspects of developing, conducting, analyzing, and reporting the PIRLS assessments
PIRLS 2016 Review
December 2016 – Agadir, Morocco

• Complete set of draft exhibits
  – PIRLS 2016 International Reading Results (≈100)
  – ePIRLS 2016 Online Reading Results (≈20)

• Context questionnaire exhibits include data for review – home, school, teacher, student

• Draft Encyclopedia exhibits, with curriculum data
PIRLS 2016 Review
June 2017 – Riga, Latvia

• Final drafts
  – PIRLS 2016 International Reading Results
  – ePIRLS 2016 Online Reading Results

• Confidential preview at next General Assembly
Schedule for International Reports

PIRLS 2016 Encyclopedia
- October 2017

PIRLS and ePIRLS 2016 International Results
  Release December 6, 2017

Methods and Procedures (Technical Reports)
- Ongoing November 2016 through December 2017

PIRLS 2016 International Database
- February 2018
IEA’s LaNA
Literacy and Numeracy Assessment

IEA’s assessment to address UN’s Sustainable Development Goals

• Rooted in the TIMSS and PIRLS assessment frameworks

• Literacy and Numeracy results that can be compared internationally
  - 4 reading passages, 43 reading comprehension items
  - 90 numeracy items
  - Student and School Questionnaires
Haiti Pilot May 20016 - LaNA Numeracy

Average % Correct (60 items): 48.1%

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<td>30-49%</td>
<td>23</td>
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![Histogram of NumTotR](chart.png)

Mean = 25.36
Std. Dev. = 10.258
N = 674
Haiti Pilot May 20016 - LaNA Literacy

Average % Correct (32 items): 47.8%

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<tr>
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Next Steps

• Pilot in Ghana
• Pilots in more countries
  – Asia
  – South America
  – Africa
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