

prePIRLS 2011

Characteristics of National Samples

Botswana

Fourth Grade (prePIRLS)

Coverage and Exclusions

- ◆ Coverage is 100 percent.
- ◆ School-level exclusions consisted of special education schools.
- ◆ No within-school exclusions.

Sample Design

- ◆ Explicit stratification by inspectoral region.
- ◆ Implicit stratification by performance level (high, medium, low, and unknown).
- ◆ Sampled one classroom per school.
- ◆ School sample overlap between prePIRLS (Grade 4), TIMSS (Grade 6), PIRLS (Grade 6), and TIMSS (Grade 9): 1) Samples were drawn all at once; and 2) All sampled schools were asked to participate in all assessments.

Exhibit 1: Allocation of School Sample in Botswana (prePIRLS), Fourth Grade

Explicit Strata	Total Sampled Schools	Ineligible Schools	Participating Schools			Refusal Schools	Excluded Schools
			Original Schools	1st Replacements	2nd Replacements		
Central North	25	0	25	0	0	0	0
Central South	28	0	28	0	0	0	0
North	14	0	14	0	0	0	0
South	24	0	24	0	0	0	0
South Central	43	0	43	0	0	0	0
West	16	1	15	0	0	0	0
Total	150	1	149	0	0	0	0

Colombia

Fourth Grade (prePIRLS)

Coverage and Exclusions

- ◆ Coverage is 100 percent.
- ◆ School-level exclusions consisted of very small schools (MOS < 3).
- ◆ Within-school exclusions consisted of students with some mental disability, and students attending night schools and/or weekend schools.

Sample Design

- ◆ Explicit stratification by school MOS (known and unknown), urban/rural status, and private/public status.
- ◆ Implicit stratification by state or performance level (42).
- ◆ Sampled one classroom per school.
- ◆ In the first four explicit strata, triplets of schools were sampled (SRS) instead of schools being sampled individually. Within each triplet, a school was sampled among the eligible schools. Weights were derived accordingly (note that the notion of replacements did not apply for these strata).
- ◆ School sample overlap between prePIRLS and PIRLS: 1) Samples were drawn all at once; 2) All sampled schools for prePIRLS were asked to participate in PIRLS; and 3) All sampled students for prePIRLS also were asked to take PIRLS.

Exhibit 2: Allocation of School Sample in Colombia (prePIRLS), Fourth Grade

Explicit Strata	Total Sampled Schools	Ineligible Schools	Participating Schools			Refusal Schools	Excluded Schools
			Original Schools	1st Replacements	2nd Replacements		
Schools with no MOS – Urban – Public	2	0	2	0	0	0	0
Schools with no MOS – Rural – Private	2	0	2	0	0	0	0
Schools with no MOS – Rural – Public	2	0	1	0	0	1	0
Schools with MOS – Urban – Private	28	1	24	3	0	0	0
Schools with MOS – Urban – Public	78	2	67	7	2	0	0

Exhibit 2: Allocation of School Sample in Colombia (prePIRLS), Fourth Grade (Continued)

Explicit Strata	Total Sampled Schools	Ineligible Schools	Participating Schools			Refusal Schools	Excluded Schools
			Original Schools	1st Replacements	2nd Replacements		
Schools with MOS – Rural – Private	2	0	1	0	1	0	0
Schools with MOS – Rural – Public	43	2	34	3	3	1	0
Total	157	5	131	13	6	2	0

South Africa

Fourth Grade (prePIRLS)

Coverage and Exclusions

- ◆ Coverage is 100 percent.
- ◆ School-level exclusions consisted of very small schools, and language schools (other than the 11 official languages).
- ◆ No within-school exclusions.

Sample Design

- ◆ Explicit stratification by “Grade 4” / “Grade 4 & Grade 8” school type and language of instruction.
- ◆ Implicit stratification by school type (one language, two languages, and multi-language), and province (9).
- ◆ Overlap of school sample was maximized so that prePIRLS (Grade 4) and PIRLS (Grade 5) would be administered to the same schools.
- ◆ Sampled two classrooms per school in the bilingual stratum (one classroom per language).
- ◆ Oversampling to allow for better estimates of each instructional language.
- ◆ School sample overlap between PIRLS (Grade 5) and prePIRLS (Grade 4): 1) Samples were drawn all at once; and 2) All sampled schools in the “Grade 4 & Grade 5 – Afrikaans or English” stratum were asked to participate in both studies.

Exhibit 3: Allocation of School Sample between Studies in South Africa (prePIRLS), Fourth Grade

Explicit Strata	Total Sampled Schools	Allocation of Schools	
		To prePIRLS Grade 4	To PIRLS Grade 5
Grade 4 only	14	14	0
Grade 4 & Grade 5 – Afrikaans or English	93	93	93
Grade 4 & Grade 5 – Others	238	238	0
Grade 5 only	7	0	7
Total	352	345	100

Exhibit 4: Allocation of School Sample in South Africa (prePIRLS), Fourth Grade

Explicit Strata	Total Sampled Schools	Ineligible Schools	Participating Schools			Refusal Schools	Excluded Schools
			Original Schools	1st Replacements	2nd Replacements		
Grade 4 only – SePedi	2	0	2	0	0	0	0
Grade 4 only – SeSotho	2	0	2	0	0	0	0
Grade 4 only – XiTsonga	2	0	2	0	0	0	0
Grade 4 only – SeTswana	2	0	2	0	0	0	0
Grade 4 only – TshiVenda	4	0	4	0	0	0	0
Grade 4 only – IsiXhosa	2	0	2	0	0	0	0
Grade 4 only – IsiZulu	4	1	2	0	0	1	0
Grade 4 & Grade 5 – Afrikaans & English	21	0	21	0	0	0	0
Grade 4 & Grade 5 – Afrikaans	30	0	30	0	0	0	0
Grade 4 & Grade 5 – English	42	0	40	2	0	0	0
Grade 4 & Grade 5 – IsiNdebele	25	0	25	0	0	0	0
Grade 4 & Grade 5 – SePedi	23	0	22	0	0	0	1
Grade 4 & Grade 5 – SeSotho	23	0	21	2	0	0	0
Grade 4 & Grade 5 – SiSwati	30	0	30	0	0	0	0
Grade 4 & Grade 5 – XiTsonga	28	0	26	1	0	0	1
Grade 4 & Grade 5 – SeTswana	28	0	28	0	0	0	0

Exhibit 4: Allocation of School Sample in South Africa (prePIRLS), Fourth Grade (Continued)

Explicit Strata	Total Sampled Schools	Ineligible Schools	Participating Schools			Refusal Schools	Excluded Schools
			Original Schools	1st Replacements	2nd Replacements		
Grade 4 & Grade 5 – TshiVenda	26	0	26	0	0	0	0
Grade 4 & Grade 5 – IsiXhosa	23	0	23	0	0	0	0
Grade 4 & Grade 5 – IsiZulu	28	0	28	0	0	0	0
Total	345	1	336	5	0	1	2