

**Exhibit 5.13: Student Sample Sizes – TIMSS Advanced 2015 – Physics**

Country	Within-School Student Participation (Weighted Percentage)	Number of Sampled Students in Participating Schools	Number of Students Withdrawn from Class/School	Number of Students Excluded	Number of Eligible Students	Number of Students Absent	Number of Students Assessed
France	96%	4,297	41	7	4,249	291	3,958
Italy	97%	3,652	25	20	3,607	183	3,424
Lebanon	98%	1,215	0	0	1,215	59	1,156
Norway	94%	2,674	44	2	2,628	156	2,472
Portugal	93%	1,968	21	4	1,943	160	1,783
Russian Federation	98%	3,925	2	8	3,915	93	3,822
Slovenia	86%	1,302	6	12	1,284	178	1,106
Sweden	90%	4,236	65	3	4,168	441	3,727
United States	85%	3,539	114	6	3,419	487	2,932

Students attending a sampled class at the time the sample was chosen but leaving the class before the assessment was administered were classified as “withdrawn.”  
 Students with a disability or language barrier that prevented them from participating in the assessment were classified as “excluded.”  
 Students not present when the assessment was administered, and not subsequently assessed in a make-up session, were classified as “absent.”