

**Table 1: Summary of Differential Item Functioning (DIF) Analyses Results**

The analysis below shows the summary of DIF Analyses Results conducted in the 2014-2015 program year for the date range of September 1, 2010 through August 31, 2015. DIF analyses are generated for items on MTEL test forms that are taken by at least 100 candidates in both the focal and reference groups. Refer to the Technical Manual: DIF Analyses for a full description of test quality review, including the DIF analysis and review process.

<b>Field Name</b>	<b>Total Items Tested</b>	<b>Number of Items Identified for "C" Level Uniform DIF*</b>	<b>Comparison Group</b>
Early Childhood	79	2 1	M/F W/H
History	129	6 1	M/F W/B
English	189	5 2 1	M/F W/B W/H
Mathematics	82	1 1	M/F W/H
General Science	70	7	M/F
Physics	77	4	M/F
Chemistry	85	2	M/F
Biology	75	1	M/F
Earth Science	76	5	M/F
Music	63	4	M/F
Visual Art	73	7	M/F
Business	74	4	M/F
Health/Family and Consumer Sciences	85	8	M/F
Physical Education	65	2	M/F
French	70	2	M/F
Theater	73	7	M/F
Mathematics (Middle School)	58	1 2	M/F W/B
Middle School Humanities	70	7	M/F
Mathematics/Science (Middle School)	55	1	M/F
Mathematics (Elementary)	58	4	M/F
Sheltered English Immersion	52	3	M/F
Foundations of Reading	218	1 7	M/F W/B
Communication and Literacy Skills - Reading Subtest	204	8 4 4	M/F W/B W/H

Communication and Literacy Skills - Writing Subtest	157	3 3 4	M/F W/B W/H
Vocational Technical Literacy Skills - Writing Subtest	24	1	M/F
General Curriculum Test - Multiple Subjects	102	9	M/F
General Curriculum Test - Mathematics	81	1	W/H
<b>Total</b>	<b>2484</b>	<b>136</b>	

\*Note. Values represent an instance of an item flagging at the C level for DIF. One item may flag on more than one test form.

**Table 2: Differential Item Analysis (DIF) Outcomes**

Following review by the Department; items identified by the DIF analysis based on ethnicity were forwarded to the MTEL Bias Review Committee for review. Table 2 summarizes the outcome of the review.

FIELD	Number of Items Reviewed by the MTEL Bias Review Committee Identified by Comparison Group		N of Items Deleted	
	White/Black	White/Hispanic	Potential Bias Identified	Other*
<b>(02) Early Childhood</b>		1	-	-
<b>(06) History</b>	1		-	-
<b>(07) English</b>	2	1	-	-
<b>(90) Foundations of Reading</b>	7		-	-
<b>(03) General Curriculum – Mathematics subtest</b>		1	-	-
<b>(09) Mathematics</b>		1	-	-
<b>(47) Middle School Mathematics</b>	2		-	-
<b>(101) Communication and Literacy Skills - Writing subtest</b>	3	4	-	-
<b>(201) Communication and Literacy Skills - Reading subtest</b>	4	4	-	-

\*Items may have been deleted due to reasons other than potential bias, including topicality.