NLN-PAX Testing

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Compared Exams

	HESI Preadmission Test	Kaplan readmission test	PAX-RN	TEAS-V
Company	Elsevier	Kaplan	NLN	ATI
Exam Content	Choose from 8 topics Rep could not provide information about which subject areas are used most frequently or the national norms for those topics.	*Reading:* 22 questions related to 4 different passages *Writing:* 21 questions related to essential skills req'd for writing (assessment of 9 passages) *Math:* 28 questions: conversions, operations, ratios, word problems *Science:* 20 questions. Physiology of body systems	*Verbal (English):* 80/20 experimental. Reading comprehension and Word knowledge. Median grade level=11 *Math:* 50/14 experimental Operations, integers, fractions, decimals, percentages, conversions, algebra, geometry, word problems *Science:* 80/20 experimental; chemistry, physics, biology, general science	170 questions over 4 sections/20 experimental *Reading:* 28% of test *English and Language usage:* 20% of test *Math:* 20% of test: operations, algebra, data interpretation, measurement. *Science:* 32% of test: human body science, life science, earth and physical science, scientific reasoning
Time	4-6 hours	*Reading:* 45 minutes *Writing:* 45 minutes *Math:* 45 minutes *Science:* 30 minutes Total = 2.75 hours	1 hour per section = 3 hours total	*Reading:* 58 minutes *English:* 34 minutes *Math:* 51 minutes *Science:* 66 minutes 209 minutes (3.5 hours)
Benchmarks	Most schools use 75%. With an increase in number of ESOL students, benchmark often lowered to 70%. Attrition rates not available for those schools through HESI.	Set by SON	Set by SON	Set by SON

Plan

- Administer to accepted students using current criteria
- Follow through program
- Implement exam
- Review again and determine cut-off scores

Preliminary Data

Fall 2014:
- Average Score - 114.53
- Median Score - 116
- Range - 71 to 146
- Percentile Math – 69.87
- Percentile Science – 58.53
- Percentile Verbal – 50.8

Spring 2015:
- Average Score – 109.7
- Median Score - 113
- Range - 86 to 159
- Percentile Math – 65.46
- Percentile Science – 59.32
- Percentile Verbal – 43.58

Summer 2015 (LPN to RN):
- Average Score – 87.7
- Median Score - 87
- Range - 71-118
- Percentile Math – 28
- Percentile Science – 36.6
- Percentile Verbal – 16.6
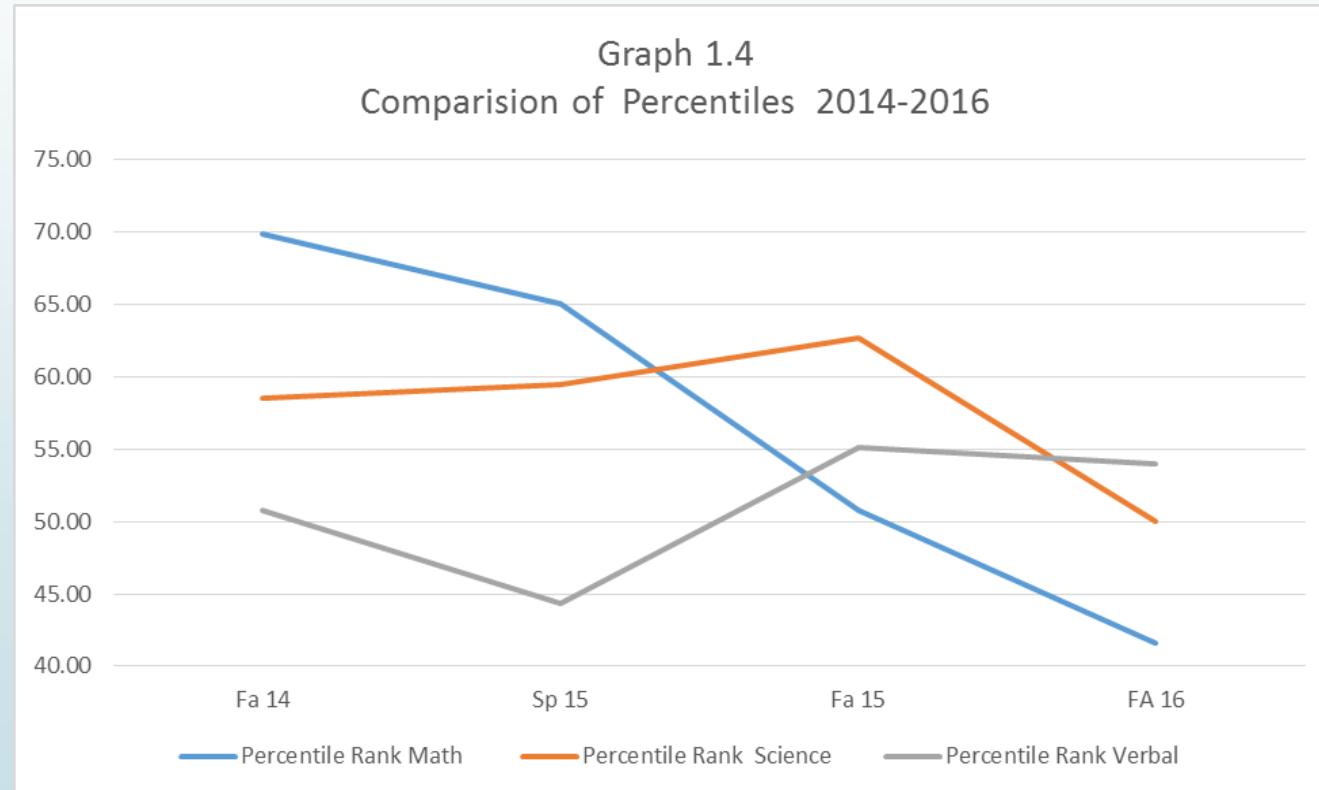
Fall 2015:
- Average Score – 111.7
- Median Score – 112
- Range 68-147
- Percentile Math – 50.75
- Percentile Science – 62.72
- Percentile Verbal – 55.15

Fall 2016:
- Average Score – 102.51
- Median Score – 101
- Range 47-157
- Percentile Math – 41.55
- Percentile Science – 50.03
- Percentile Verbal – 53.96

Percentiles

Graph 1.4
Comparision of Percentiles 2014-2016

Fall 2017

- Implemented composite score of 100
- Applications were decreased by 40
- Rejections were decreased by 29
- Felt that students did not apply if they did not score 100
- Trend continues

Fall 2017 data

Attempts	Composite	Verbal	Math	Sciences
1	108	55	57	45
3	102	59	41	34
1	111	21	92	68
2	119	67	86	29
1	102	62	25	51
1	122	59	86	64
1	124	96	41	75
1	111	72	41	58
	103	62	43	26
	113	58	66	51
1	124	87	70	45
1	114	67	57	51
1	115	55	78	61
	101	58	57	11

Comparison

	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Composite	115	112	103	109	116	113
Verbal	52	55	54	54	61	59
Math	71	51	42	54	66	60
Science	59	63	50	52	60	60

Graduate Data

- Since 2017 when benchmark was instituted
  - Graduated 138 students
  - NCLEX rate is 93%
  - Failures PAX scores:
    - Less than 100 – 2
      - Returning students accepted under previous "rules"
    - 101-110 – 4
    - 125 – 2
  - Retention 76% (3 year average)

100-104	19
105-109	11
110-114	30
115-119	18
120-125	29
126-130	18
131-140	27
141-150	17
151-175	4