# Federated States of Micronesia Education Sector 

FSM NATIONAL JEMCO 20 EDUCATION INDICATORS REPORT<br>July 2010



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## FSM JEMCO Education Indicators

Indicators of Educational Progress (as revised in February, 2007)

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Number of schools by grade level (i.e., elementary and secondary schools)
Number of schools by size (i.e., enrollment under 50, 51-100, 101-200, 201-300, 301-500, 501-1000, and over 1000)
Number of schools operating half-day sessions
Average teacher attendance rate by grade level (elementary and secondary)
Number \& percent of staff by education level (i.e., high school diploma, AA/AS, BA/BS, etc.)
Number of teachers/staff by grade level
Student-to-teacher ratio (private and public)
Base populations by school age groups (i.e., total no. of 4-5 yr. olds, 6-13 yr. olds, 14-18, 19-22 yr olds)
Percent of base school-age population in school by age groups (\% of 4-5 yr. olds, 6-13 yr. olds, 14-18 yr. olds actually enrolled)
Student enrollment by grade level and gender
Average daily student attendance rate by grade level and gender
Drop-out rate by grade level and gender (use beginning and ending enrollment)
Number and percent of students achieving "Proficiency" level \& above, at selected grade levels for standardized tests (e.g., SAT ) or criterion-
referenced tests (e.g., locally developed tests)
14. Completion/graduation rate for \(8^{\text {th }}\) and \(12^{\text {th }}\) grades (private and public)
15. Number and percent of grade completers going to high school and high school graduates going to higher education
16. Number of student textbooks by subject areas and grade level
17. Per pupil expenditure (annual or entire budget operating \(k-12\) budget divided by enrolled student count)
18. Number of parent involvement activities per year by school and average number of parents participating
19. Student enrollment in local institutions of higher education (IHE)
20. Number of IHE graduates by each diploma/degree level
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- Must be reported by July 31 each year


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## A. Introduction

This year's submission of the JEMCO 20 Education Indicators Report for 2010 as required under the Compact of Free Association, as amended (PL 108-188), is still hampered by several key factors that affected our abilities to meet our deadline on this fifth annual report. This report covers issues on enrollment, attendance, test assessment and simple trends in these areas. Clearly, this fifth submission indicates areas still needing improvements and modification with our data collection efforts at all levels and improvements needed within our school activities to improve students' and teachers' performance.

The collected data thus far shows insignificant changes in performance skill levels in the content areas with still high level of non-proficient group, persistent poor level of teacher attendance coupled with teachers without teaching credentials and a disturbing 22\% decline in enrollments between 2008 and 2010. There is however a slight increase of teachers earning AA/AS degree compares with last year report, but a slight decrease of number of teachers by $7 \%$ compares with last year.

Unfortunately, the NDOE does not have the ready explanation as to all of the statuses under the required Indicators, although some of the indicators were revised presumably to modify and simplify how they are reported from the local delivery agencies. The following part reflects the NDOE's general assessment of each condition based on submitted reports and few site visits and meetings conducted during the fiscal period at the states' and national levels.

## Reporting Issues

We still experienced this year problems with data accuracy, consistency, credibility and submission. Compared with last year's submission, this year's efforts seemed to have dropped slightly with issues or factors, most of which are attributed to largely by human factors, compounded by the serious lack of effective communication means and transportation in the nation.

## 1. Different Data Management Application

The four (4) states' Departments of Education still showing difficulties in using the PEDMS and FSMEIMS data collection and conversion methods concurrently, despite some efforts and TA provided to their data specialists. Accordingly, the technological aspect in the data collection, requiring computer technology and application still pose as problematic area in the reporting systems. NDOE has sent its ICT technician on 12 month training at PREL to acquire the skill and shares it with the other data specialists.

## 2. Consistency and timely submission of data

These recommendations were made in last year's report as possible remedies to our setbacks in the reporting of the JEMCO 20 Indicators:

- Incorporate grant conditions into the states' Education Sector grant which may lead to the withholding of state's sector grant allotment should the practices of late submission continues;
- Replacement of data specialists at the states;
- Take the issue up to the states higher up leadership; and,
- Recommend to the Congress to mandate stricter sanctions for defiant state.
- Other measures may be considered on a case to case basis.

The only recommendation incorporated as grant condition is the teacher certificates that required all teachers getting paid by Compact funds to be certified. The rest of these recommendations still yet to be implemented or revisited to determine their effectiveness in impacting and changing our data collection system as a major
component in our education system. The NDOE needs to assess the impacts of these conditions to corroborate how best to understand the declines in our school enrollment and resolve or remove the impediments within our data reporting system:

- Dropout rates
- Retention/Transfer
- Migration (domestic/overseas)
- Mortality rate (6-18 yrs)
- Communication/Transportation
- Costs of fuel
- Others

The issue on a single uniform data collection system still persists and therefore the NDOE, FACSSO and School Boards should seriously address it immediately.

## 3. Accuracy and cleanliness of data

This year report is based on 2010 Population Projection as provided by the Office of SBOC which thus compromised further the accuracies of our submission. A 2010 census is underway nationwide, as reported last year, and therefore it is anticipated that next year report will slightly be improved.

## 4. Training for Data Managers

There was an earlier plan to expand on this 20 Indicator report, as suggested by former Office of Compact Management (OCM), using performance measures identified during a contract with the USDA experts three years ago, however this plan was consequently put on hold. It is the expressed opinion of the NDOE to first master the current Education 20 Indicators Report requirements and activities before any expansion would be considered. Training is however still needed to align the collection system and develop a uniform system that even the remotest schools in the nation could use the manual version and regularly report the results to the states' Departments of Education.

## B. Executive Summary

The overall performance and preparation on this year's Annual Education 20 Indicators Report clearly indicate a slight decline in the quality, volume and timeliness of the states' submissions toward the said report, thus hindering the nation's submission to the Office of Insular Affairs. Based on the states' report, there is a significant decline in students' enrollment at roughly $22 \%$ contributed to by factors not readily assessed and number of teachers at $7 \%$ which could be the results of retirement, mortality and migration. These are not research-base findings, but simply general observations.

There is insignificant data on testing results, however based on what has been submitted, students and teachers performance skills in the content areas have not improved. However the Micronesia Teachers Education Conferences (MTEC) in 2009 and 2010 have addressed the critical areas in teachers' language related skills, math and other teaching methodology to improve both the teachers and students skills. More works still needed under teacher certificate requirements and the student's quota on textbooks. Purchasing of textbooks still continued at the states' DOEs. The copies of the draft Job Audit findings are circulated at the NDOE and Kosrae, Pohnpei and Chuuk DOE and copies for OIA have been forwarded.

1. Number of Schools by elementary and secondary level, including ECE/Sped centers

| State | ECE | Elementary | Secondary | Other | No. Schools |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Chuuk | 45 | 83 | 21 |  | 149 |
| Kosrae |  | 7 | 1 |  | 8 |
| Pohnpei |  | 31 | 3 |  | 34 |
| Yap | 25 | 22 | 2 |  | 49 |
| FSM | 70 | 143 | 27 |  | 240 |
| Percent | $29 \%$ | $60 \%$ | $11 \%$ | $0 \%$ | $100 \%$ |

As of school year 2009-2010, Chuuk and Yap still have not integrated their ECE with the Elementary schools. Decline in the number of schools for both Chuuk and Yap likely from inaccurate figures reported to the National Education.
2. Number of schools by size

| State | Up to 50 | $\mathbf{5 1 - 1 0 0}$ | $\mathbf{1 0 1 - 2 0 0}$ | $\mathbf{2 0 1 - 3 0 0}$ | $\mathbf{3 0 1 - 5 0 0}$ | $\mathbf{5 0 1 - 1 0 0 0}$ | $\mathbf{1 0 0 1}+$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  |  |  |  |  |  |  |
| Chuuk | 57 | 40 | 36 | 4 | 6 | 1 | 0 |
| Kosrae | 0 | 1 | 1 | 2 | 2 | 1 | 0 |
| Pohnpei | 3 | 6 | 7 | 7 | 5 | 5 | 1 |
| Yap | 38 | 5 | 5 | 0 | 0 | 1 | 0 |
| FSM | 98 | 52 | 49 | 13 | 13 | 8 | 1 |

Chuuk shows a higher school count in the size of 200 and under.

3. Number of schools operating half-day/double session by elementary and secondary level

Not Applicable
4. Average teacher attendance rate by gender and elementary and secondary level

| State |  | Elementary |  |  | Secondary |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Female | Rate | Male | Female | Rate |  |
| Chuuk |  |  |  |  |  |  |  |
| Kosrae |  |  |  |  |  |  |  |
| Pohnpei |  |  |  |  |  |  |  |
| Yap |  |  |  |  |  |  |  |
| FSM |  |  |  |  |  |  |  |

Data submitted from all 4 states are not sufficient to calculate for this table.

| 5. Number and percent of Teachers by education level |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | No degree |  | AA/AS |  | BA/BS |  | MA/MS |  | PhD |  | Total |
|  | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |  |
| Chuuk | 162 | 185 | 188 | 247 | 41 | 51 | 5 | 1 | 0 | 0 | 880 |
| Kosrae | 4 | 0 | 87 | 82 | 14 | 9 | 0 | 0 | 0 | 0 | 196 |
| Pohnpei | 4 | 19 | 201 | 183 | 60 | 48 | 0 | 1 | 0 | 0 | 516 |
| Yap | 94 | 87 | 92 | 44 | 11 | 11 | 1 | 0 | 0 | 0 | 340 |
| Total | 264 | 291 | 568 | 556 | 126 | 119 | 6 | 2 | 0 | 0 | 1932 |
| \% Total | 13.66\% | 15.06\% | 29.40\% | 28.78\% | 6.52\% | 6.16\% | 0.31\% | 0.10\% | 0.00\% | 0.00\% | 100\% |

Kosrae reported a total of 200 teachers. 4 teachers was not included in the above chart due to missing data on teacher degree.
There is a decline in the percentage of teachers without degree from $34.6 \%$ in 2009 to $28.7 \%$ in 2010 . The percentage of teaching staff with an AA/AS increase from 54.3\% in 2009 to 58.2\% in 2010
6. Number of teachers and staff by elementary and secondary level

| State |  | Elementary |  | Secondary |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | Teachers | Staff | Teachers | Staff |  |
| Chuuk | 314 | 72 | 556 | 148 | 1090 |
| Kosrae | 161 | 20 | 39 | 6 | 226 |
| Pohnpei | 404 | 49 | 112 | 26 | 591 |
| Yap | 274 | 7 | 66 | 9 | 356 |
| FSM | 1153 | 148 | 773 | 189 | 2263 |

This tables shows the breakdown of teaching staff to none teaching staff by state and school level. Secondary has the higher percentage of none teaching staff with $24.45 \%$ compared to $12.84 \%$ in Elementary. 10 from Chuuk is unaccounted for due to lack of data on data element (Elementary or Secondary).
7. Student-to-teacher ratio by elementary and secondary level

| State | Elementary Students |  | Elementary Teachers |  | Elementary Ratio |  | Secondary Students Secondary Teachers |  |  |  | Secondary Ratio |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Private | Public | Private | Public | Private | Public | Private | Public | Private | Public | Private | Public |
| Chuuk | 478 | 10183 | 51 | 607 | 9 | 17 | 536 | 2311 | 58 | 154 | 9 | 15 |
| Kosrae |  | 1636 |  | 161 |  | 10 |  | 571 |  | 39 |  | 15 |
| Pohnpei |  | 7837 |  | 404 |  | 19 |  | 2463 |  | 112 |  | 22 |
| Yap |  | 1741 |  | 274 |  | 6 |  | 716 |  | 66 |  | 11 |
| FSM | 478 | 21397 | 51 | 1446 | 9 | 15 | 536 | 6061 | 58 | 371 | 9 | 16 |

Student teacher ration dropped to 9:1 compared 14:1 in 2009 in Elementary. Secondary ration also dropped from 12:1 to 9:1 in 2010. This figure reflects the decline in student enrollment and also under reporting.
8. Base populations by school age group (Census Projection Data 2010)

| State | $4-5 \mathrm{yr}$ | $6-13 \mathrm{yr}$ | $14-18 \mathrm{yr}$ | Total |
| :--- | :---: | :---: | :---: | :---: |
| Chuuk | 2533 | 9967 | 5061 | 17562 |
| Kosrae | 429 | 1468 | 722 | 2619 |
| Pohnpei | 1817 | 6871 | 3024 | 11712 |
| Yap | 603 | 2178 | 878 | 3660 |
| FSM | 5383 | 20484 | 9685 | 35553 |

This projection was updated by the statistics office and is based on 2010 projection

## 9. Percent of base school-age population enrolled in school

| State | $4-5 \mathrm{yr}$ | $6-13 \mathrm{yr}$ | $14-18 \mathrm{yr}$ | Total |
| :--- | :---: | :---: | :---: | :---: |
| Chuuk | $26.84 \%$ | $85.37 \%$ | $78.06 \%$ | $74.82 \%$ |
| Kosrae | $5.13 \%$ | $82.16 \%$ | $123.51 \%$ | $80.94 \%$ |
| Pohnpei | $33.01 \%$ | $105.33 \%$ | $81.46 \%$ | $87.95 \%$ |
| Yap | $41.29 \%$ | $54.63 \%$ | $92.46 \%$ | $61.51 \%$ |
| FSM | $28.81 \%$ | $88.56 \%$ | $83.82 \%$ | $78.22 \%$ |

Based on the 2010 projections, FSM wide is serving $78.22 \%$ of actual projected population in the above age range. In the age range of $4-5$, Kosrae data shows a $5.13 \%$ or 22 of the projection being enrolled in school.
10. Student enrollment by elementary and secondary level and gender

| State | Elementary |  | Secondary |  | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female |  |
| Chuuk | 5435 | 5226 | 1354 | 1493 | 13508 |
| Kosrae | 829 | 807 | 297 | 274 | 2207 |
| Pohnpei | 4011 | 3826 | 1174 | 1289 | 10300 |
| Yap | 922 | 819 | 395 | 321 | 2457 |
| FSM | 11197 | 10678 | 3220 | 3377 | 28472 |

Based on the data shown in the above table, there is no gender disparity. Of the total enrollment of 28472,50.6\% are male and $49.4 \%$ are female with a difference of $1.2 \%$.
11. Average daily student attendance rate by elementary and secondary level and gender

| State | Elementary |  |  | Secondary |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Male | Female | ERate | Male | Female | SRate |
| Chuuk |  |  |  |  |  |  |
| Kosare |  |  |  |  |  |  |
| Pohnpei |  |  |  |  |  |  |
| Yap |  |  |  |  |  |  |
| FSM |  |  |  |  |  |  |

Data submitted from all 4 states are not sufficient to calculate for this table.

## 12. Drop-out rate by grade level and gender

| Grade Level | Drop Out |  | Enrollment |  | Rate |  | Overall Rate |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female | Male | Female |  |
| ECE | 1 | 1 | 1129 | 1107 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{1}$ | 0 | 1 | 1297 | 1232 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{2}$ | 0 | 1 | 1215 | 1127 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{3}$ | 2 | 0 | 1280 | 1217 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{4}$ | 2 | 1 | 1417 | 1258 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{5}$ | 3 | 3 | 1235 | 1188 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{6}$ | 3 | 1 | 1242 | 1237 | $0 \%$ | $0 \%$ | $0 \%$ |
| $\mathbf{7}$ | 8 | 4 | 1142 | 1161 | $1 \%$ | $0 \%$ | $1 \%$ |
| $\mathbf{8}$ | 12 | 4 | 1134 | 1078 | $1 \%$ | $0 \%$ | $1 \%$ |
| $\mathbf{9}$ | 77 | 56 | 989 | 937 | $8 \%$ | $6 \%$ | $7 \%$ |
| $\mathbf{1 0}$ | 48 | 53 | 953 | 1005 | $5 \%$ | $5 \%$ | $5 \%$ |
| $\mathbf{1 1}$ | 55 | 33 | 745 | 776 | $7 \%$ | $4 \%$ | $6 \%$ |
| $\mathbf{1 2}$ | 17 | 20 | 639 | 732 | $3 \%$ | $3 \%$ | $3 \%$ |
| Total | $\mathbf{2 2 8}$ | $\mathbf{1 7 8}$ | $\mathbf{1 4 4 1 7}$ | $\mathbf{1 4 0 5 5}$ | $\mathbf{2 \%}$ | $\mathbf{1 \%}$ | $\mathbf{1 \%}$ |

There is a slight decline in the overall rate from $1.5 \%$ in 2009 to $1.4 \%$ in 2010.

| Grade | 2008 <br> Enrollment | Grade | 2009 <br> Enrollment | Percent of <br> 2008 | Grade | 2010 <br> Enrollment | Percent of <br> 2008 | Percent of <br> 2009 |
| :--- | :---: | :--- | :--- | :---: | :--- | :--- | :--- | :--- |
| ECE | 2502 | Grade 1 | 2794 | $12 \%$ | Grade 2 | 2342 | $-6 \%$ | $-16 \%$ |
| Grade 1 | 2969 | Grade 2 | 2711 | $-9 \%$ | Grade 3 | 2497 | $-16 \%$ | $-8 \%$ |
| Grade 2 | 3029 | Grade 3 | 2922 | $-4 \%$ | Grade 4 | 2675 | $-12 \%$ | $-8 \%$ |
| Grade 3 | 2819 | Grade 4 | 2698 | $-4 \%$ | Grade 5 | 2423 | $-14 \%$ | $-10 \%$ |
| Grade 4 | 2940 | Grade 5 | 2726 | $-7 \%$ | Grade 6 | 2479 | $-16 \%$ | $-9 \%$ |
| Grade 5 | 2741 | Grade 6 | 2508 | $-9 \%$ | Grade 7 | 2303 | $-16 \%$ | $-8 \%$ |
| Grade 6 | 2663 | Grade 7 | 2626 | $-1 \%$ | Grade 8 | 2212 | $-17 \%$ | $-16 \%$ |
| Grade 7 | 2662 | Grade 8 | 2298 | $-14 \%$ | Grade 9 | 1926 | $-28 \%$ | $-16 \%$ |
| Grade 8 | 2456 | Grade 9 | 2138 | $-13 \%$ | Grade 10 | 1958 | $-20 \%$ | $-8 \%$ |
| Grade 9 | 2158 | Grade 10 | 1834 | $-15 \%$ | Grade 11 | 1521 | $-30 \%$ | $-17 \%$ |
| Grade 10 | 1983 | Grade 11 | 1658 | $-16 \%$ | Grade 12 | 1371 | $-31 \%$ | $-17 \%$ |

The table above tracks cohort of students from 2008 to 2010. ECE students enrolled in 2008 are shown as grade 1 in 2009 and grade 2 in 2010.

The highest decline in the cohort are those grade 10 in 2008 which shows a $31 \%$ decline in their enrollment to grade 12 in 2010. From 2008 to 2010, to smallest decline is ECE cohort in 2008 who would have been in grade 2 in 2010 by $6 \%$. Based on the data above, overall there is a $18 \%$ drop in the three year period.

With only Chuuk state reporting private school data, transfer could be one of the factors in the decline. Other factors may include out migration, drop outs, mortality and repeaters.


This chart shows another view of the progress of each cohort over the three year period.

Standard 2: Reading 6.2 - Students will demonstrate competence in reading skills and strategies to comprehend variety of texts/media for social, academic, and career-related purposes.
Standard 4. Literature 6.4 - Students will study literature (oral, written) in their own culture as well as selected literary works from other cultures. They will develop the ability to understand other cultures and gain insights into their own, relate to others, and recognize universal and unique qualities in others.


Students understand Standard 6.2 better than 6.4. 31\% of the R.6.2 benchmarks meet or exceed the minimum competency expectation compared with $22 \%$ of the R. 6.4 benchmarks

In 2009, standard 2 (Reading) shows a $12 \%$ for students who are at competent level and standard 4 (Literature) also shows a $9 \%$ for students who are at competent level. Each standard decline by $1 \%$ this year.


There are 7 Benchmarks on the NST Reading Grade 6 Test. Students understand benchmark 6.2.4 the best where 48\% $(24 \%+24 \%)$ of the indicators meet or exceed minimum competency. Students struggle with benchmark 6.4.1 the most. Only $15 \%$ of the indicators meet minimum competency expectations
$>$ 6.2.4: Locate and use features of textbooks such as chapter titles, sub-headings, chapter summaries, to summarize, compare/contrast, and draw conclusions.
> 6.4.1: Demonstrate understanding of character's behaviors and attitudes (e.g., actions, motives, and traits of different characters; interactions among main and minor characters, the importance between the characters to plot or theme.


Students understand Standard 6.2 better than 6.4. 37\% of the R.6.2 benchmarks meet or exceed the minimum competency expectation compared with $34 \%$ of the R. 6.4 benchmarks

There is only one standard in grade 10


On Standard R.10.1, 39\% of the benchmarks meet or exceed minimum competency.


The best performance by students is in indicator 10.2.1.1 with $25 \%$ competent. Use new grade-appropriate vocabulary, including content area vocabulary, learned through reading and word study.
Students performed the least in R10.2.5.2 with only $8 \%$ meet expectation. Demonstrate understanding those factors that commonly affect the use of language (gender, social class, family relationship, ethnic groups).

| 14. Completion/graduation rate for 8 th and $12^{\text {th }}$ grades (Private/Public) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | Type | 8th Enrolled | 8th Grad | Rate | 12th Enrolled | 12th Grad | Rate |
| Chuuk | Public | 980 | 832 | 84.90\% | 433 | 360 | 83.14\% |
|  | Private | 72 | 61 | 84.72\% | 143 | 126 | 88.11\% |
| Kosrae | Public | 156 | 153 | 98.08\% |  |  | \#DIV/0! |
|  | Private | 7 | 7 | 100.00\% |  |  |  |
| Pohnpei | Public | 908 | 850 | 93.61\% | 526 | 502 | 95.44\% |
|  | Private |  |  | \#DIV/0! |  |  | \#DIV/0! |
| Yap | Public |  |  | \#DIV/0! |  |  | \#DIV/0! |
|  | Private |  |  | \#DIV/0! |  |  | \#DIV/0! |
| Total |  | 2123 | 1903 | 90\% | 1102 | 988 | 90\% |

Yap did not submit any data for the above indicator.
15. Number and percent of grade 8 completers going to high school and high school graduates going to higher education

| State | Completed 8 | Going to HS | Percent | Completed 12 | Going to HEd | Percent |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Chuuk | 893 |  |  | 486 | 486 | $100.00 \%$ |
| Kosrae | 153 | 153 |  | 128 | 128 | $100.00 \%$ |
| Pohnpei | 850 | 733 |  | 502 | 403 | $80.28 \%$ |
| Yap |  |  |  |  |  | \#DIV/0! |
| FSM | 1896 | 886 | $46.73 \%$ | 1116 | 1017 | $91.13 \%$ |

Yap failed to submit data for this indicator and Pohnpei show a slight decline in the going to HED by about $17 \%$.

| Textbooks | Chuuk |  | Kosrae |  | Pohnpei |  | Yap |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Elementary | Secondary | Elementary | Secondary | Elementary | Secondary | Elementary | Secondary |
| Math |  |  | No textbook purchased |  | 3898 | 1025 | No textbook purchased |  |
| LangArts |  |  |  |  | 7454 | 2539 |  |  |
| Science |  |  |  |  | 7454 | 2539 |  |  |
| Social Study |  |  |  |  | 7454 | 2539 |  |  |
| Total | 0 | 0 | 0 | 0 | 26260 | 8642 | 0 | 0 |

Only Pohnpei showed purchases on textbook. Chuuk did purchased textbooks based on their data but could not be included due to lack of clarification on figures.
17. Per pupil expenditure (annual operating k-12 budget divided by enrolled student count)

| State | ESG | SEG | Enrollment | PPE |  |  |
| :--- | :---: | :--- | ---: | ---: | ---: | ---: |
| Chuuk | $\$ 10,047,249$ | $\$$ | $4,480,706.00$ | $\$$ | $13,508.00$ | $\$$ |
| Kosrae | $\$ 2,524,286$ | $\$$ | $1,285,255.00$ | $\$$ | $2,207.00$ | $\$$ |
| Pohnpei | $\$ 7,599,557$ | $\$$ | $2,954,336.00$ | $\$$ | $10,300.00$ | $\$$ |
| Yap | $\$ 4,199,923$ | $\$$ | $1,769,879.00$ | $\$$ | $2,457.00$ | $\$$ |
| FSM | $\$ 24,371,015$ | $\$$ | $10,490,176.00$ | $\$$ | $28,472.00$ | $\$$ |

All 4 states showed an increase in PPE. This is likely from the decline in the number of enrollment.
18. Number of parent involvement activities per year by states and average number of participants

| State | Total No. of Activities | Total No. Participants | Average |
| :--- | :---: | :---: | :---: |
| Chuuk |  |  | \#DIV/O! |
| Kosrae | 189 | 30198 | \#DIV/0! |
| Pohnpei |  |  | 159.78 |
| Yap | 189 | 30198 | 159.78 |
| FSM Total |  |  |  |

Only Pohnpei submitted data on this indicator
19. Student enrollment in local institutions of higher education (IHE) by gender

| State | Fall 2009 |  | Fall 2009 Total | Spring 2010 |  | Spring 2010 Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Female | Male |  | Male |  |  |
| Chuuk | 362 | 222 | 584 | 332 | 241 | 573 |
| Kosrae | 93 | 140 | 233 | 102 | 116 | 218 |
| National | 563 | 448 | 1011 | 524 | 405 | 929 |
| Pohnpei | 334 | 379 | 713 | 280 | 314 | 594 |
| Yap | 128 | 101 | 229 | 120 | 89 | 209 |
| Grand Total | $\mathbf{1 4 8 0}$ | $\mathbf{1 2 9 0}$ | $\mathbf{2 7 7 0}$ | $\mathbf{1 3 5 8}$ | $\mathbf{1 1 6 5}$ | $\mathbf{2 5 2 3}$ |

Enrollment shows an increase from 2202 in 2009 to 2523 in 2010.

| Degree/Certificate | Fall 2009 |  | Total | Spring 2010 |  | Total | Grand Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Female | Male |  | Female | Male |  |  |
| Accounting |  |  |  | 4 |  | 4 | 4 |
| Agriculture and Food Technology |  | 3 | 3 |  | 2 | 2 | 5 |
| Bookkeeping |  | 1 | 1 |  |  |  | 1 |
| Building Technology | 1 | 3 | 4 |  | 1 | 1 | 5 |
| Business Administration | 11 | 7 | 18 | 3 | 3 | 6 | 24 |
| Carpentry |  |  |  |  | 1 | 1 | 1 |
| Computer Information Systems | 7 | 5 | 12 | 11 | 5 | 16 | 28 |
| Construction Electricity |  | 2 | 2 |  |  |  | 2 |
| Early Childhood Education |  |  |  | 1 | 1 | 2 | 2 |
| Electronics Technology | 1 | 3 | 4 |  | 1 | 1 | 5 |
| General Business |  |  |  | 1 | 1 | 2 | 2 |
| General Studies | 7 | 5 | 12 | 7 | 3 | 10 | 22 |
| Health Career Opportunities Program | 6 | 1 | 7 | 4 |  | 4 | 11 |
| Hospitality Management | 2 | 3 | 5 | 1 | 4 | 5 | 10 |
| Liberal Arts | 12 | 12 | 24 | 11 | 8 | 19 | 43 |
| Liberal Arts / Media Studies | 1 |  | 1 |  | 1 | 1 | 2 |
| Marine Science |  | 3 | 3 | 2 | 3 | 5 | 8 |
| Micronesian Studies | 6 | 9 | 15 | 5 | 2 | 7 | 22 |
| Refrigerator and Air Conditioning |  | 2 | 2 |  |  |  | 2 |
| Teacher Education - Elementary | 18 | 15 | 33 | 10 | 5 | 15 | 48 |
| Teacher Preparation | 2 | 1 | 3 | 1 | 3 | 4 | 7 |
| Teacher Preparation - Elementary | 2 | 6 | 8 | 2 | 2 | 4 | 12 |
| Telecommunication Technology |  |  |  | 1 | 1 | 2 | 2 |
| Grand Total | 76 | 81 | 157 | 64 | 47 | 111 | 268 |

Graduation in 2010 shows an increase from 2009 by $16 \%$ or 43 . Compared to 2009, this year shows a fewer courses than 2009 but higher graduated from the courses listed above.

