**Attachment**

SPSS Output Results

* + - 1. **Validity and Reliability Test** 
         1. **Supervision of the Head of the Room**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 40 | 100.0 |
| Excluded | 0 | .0 |
| Total | 40 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .876 | 15 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| X1 | 45.9500 | 38,510 | .604 | .864 |
| X2 | 45.6500 | 40,849 | .358 | .875 |
| X3 | 46.0000 | 37,846 | .703 | .860 |
| X4 | 45.9500 | 38,767 | .609 | .864 |
| X5 | 45.8750 | 39,702 | .477 | .870 |
| X6 | 45.5000 | 40,359 | .435 | .872 |
| X7 | 45.9000 | 39.118 | .676 | .863 |
| X8 | 45.9000 | 38,349 | .785 | .858 |
| X9 | 45.3750 | 41,676 | .418 | .873 |
| X10 | 45.7500 | 40,192 | .385 | .875 |
| X11 | 46.0000 | 39,436 | .586 | .866 |
| X12 | 46.5750 | 37,635 | .521 | .870 |
| X13 | 45.9000 | 37,477 | .709 | .859 |
| X14 | 46.6250 | 37,779 | .486 | .872 |
| X15 | 45.8500 | 40,592 | .351 | .876 |

(Advanced)

* 1. ***Electronic Nursing Documentation***

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 40 | 100.0 |
| Excluded | 0 | .0 |
| Total | 40 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .823 | 15 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| Y1 | 49.0500 | 21.177 | .391 | .816 |
| Y2 | 48,9250 | 20,738 | .481 | .811 |
| Y3 | 49,5250 | 19,846 | .389 | .819 |
| Y4 | 48.9750 | 21,512 | .334 | .819 |
| Y5 | 49.0500 | 20.254 | .490 | .809 |
| Y6 | 48.9750 | 20,897 | .481 | .811 |
| Y7 | 49.2000 | 20,267 | .441 | .813 |
| Y8 | 48.9500 | 20,818 | .513 | .810 |
| Y9 | 49.0250 | 21.102 | .328 | .820 |
| Y10 | 49.3500 | 18,900 | .689 | .794 |
| Y11 | 49,2500 | 20,500 | .441 | .813 |
| Y12 | 49.3750 | 20.138 | .428 | .814 |
| Y13 | 49.3250 | 19.302 | .562 | .803 |
| Y14 | 49.1750 | 19,994 | .395 | .817 |
| Y15 | 48.9500 | 21,638 | .314 | .820 |

(Advanced)

* 1. **Univariate Analysis**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AGE** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | <25 years old | 24 | 18.6 | 18.6 | 18.6 |
| 25 years | 105 | 81.4 | 81.4 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GENDER** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Woman | 101 | 78.3 | 78.3 | 78.3 |
| Man | 28 | 21.7 | 21.7 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MARITAL STATUS** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Not married yet | 41 | 31.8 | 31.8 | 31.8 |
| Marry | 88 | 68.2 | 68.2 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **LEVEL OF EDUCATION** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Vocational (D3) | 75 | 58.1 | 58.1 | 58.1 |
| Profession (Nurse, Specialist Nurse) | 54 | 41.9 | 41.9 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **YEARS OF SERVICE** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 2 years | 24 | 18.6 | 18.6 | 18.6 |
| 2 years | 105 | 81.4 | 81.4 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **VALUE OF SUPERVISION OF THE HEAD OF THE ROOM** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Well | 70 | 54.3 | 54.3 | 54.3 |
| Not good | 59 | 45.7 | 45.7 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Value of Electronic Nursing Documentation** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Well | 72 | 55.8 | 55.8 | 55.8 |
| Not good | 57 | 44.2 | 44.2 | 100.0 |
| Total | 129 | 100.0 | 100.0 |  |

* 1. **Bivariate Analysis**
     + - 1. **Characteristics of Nurses with Electronic Nursing Documentation**

1. **Age with Electronic Nursing Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AGE \* Electronic Nursing Documentation Crosstabulation** | | | | | |
|  | | | END | | Total |
| 1.00 | 2.00 |
| AGE | <25 years old | Count | 11 | 13 | 24 |
| % within AGE | 45.8% | 54.2% | 100.0% |
| 25 years | Count | 61 | 44 | 105 |
| % within AGE | 58.1% | 41.9% | 100.0% |
| Total | | Count | 72 | 57 | 129 |
| % within AGE | 55.8% | 44.2% | 100.0% |

(Advanced)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1.191a | 1 | .275 |  |  |
| Continuity Correctionb | .746 | 1 | .388 |  |  |
| Likelihood Ratio | 1.183 | 1 | .277 |  |  |
| Fisher's Exact Test |  |  |  | .363 | .194 |
| Linear-by-Linear Association | 1.182 | 1 | .277 |  |  |
| N of Valid Cases | 129 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10.60. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Estimate** | | | |
|  | Value | 95% Confidence Interval | |
| Lower | Upper |
| Odds Ratio for AGE (<25 years / 25 years) | .610 | .250 | 1,489 |
| For cohort Y value = 1.00 | .789 | .496 | 1.255 |
| For cohort Y value = 2.00 | 1.293 | .840 | 1990 |
| N of Valid Cases | 129 |  |  |

1. **Gender with Electronic Nursing Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SEX \* Electronic Nursing Documentation** | | | | | |
|  | | | END | | Total |
| 1.00 | 2.00 |
| GENDER | Woman | Count | 62 | 39 | 101 |
| % within SEX | 61.4% | 38.6% | 100.0% |
| Man | Count | 10 | 18 | 28 |
| % within SEX | 35.7% | 64.3% | 100.0% |
| Total | | Count | 72 | 57 | 129 |
| % within SEX | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (Advanced)  **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 5.858a | 1 | .016 |  |  |
| Continuity Correctionb | 4,864 | 1 | .027 |  |  |
| Likelihood Ratio | 5.854 | 1 | .016 |  |  |
| Fisher's Exact Test |  |  |  | .019 | .014 |
| Linear-by-Linear Association | 5.813 | 1 | .016 |  |  |
| N of Valid Cases | 129 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 12.37. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Estimate** | | | |
|  | Value | 95% Confidence Interval | |
| Lower | Upper |
| Odds Ratio for GENDER (Female / Male) | 2.862 | 1.198 | 6,835 |
| For cohort Y value = 1.00 | 1,719 | 1.021 | 2.892 |
| For cohort Y value = 2.00 | .601 | .415 | .869 |
| N of Valid Cases | 129 |  |  |

1. **Marital Status with Electronic Nursing Documentation**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MARRIAGE STATUS \* Y Crosstabulation** | | | | | | | | | | | | | | |
|  | | | | | | Y value | | | | | | Total | | |
| 1.00 | | | 2.00 | | |
| MARITAL STATUS | Not married yet | Count | | 20 | | | 21 | | | 41 | | |
| % within MARRIAGE STATUS | | 48.8% | | | 51.2% | | | 100.0% | | |
| Marry | Count | | 52 | | | 36 | | | 88 | | |
| % within MARRIAGE STATUS | | 59.1% | | | 40.9% | | | 100.0% | | |
| Total | | | Count | | 72 | | | 57 | | | 129 | | |
| % within MARRIAGE STATUS | | 55.8% | | | 44.2% | | | 100.0% | | |

(Advanced)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1.206a | 1 | .272 |  |  |
| Continuity Correctionb | .824 | 1 | .364 |  |  |
| Likelihood Ratio | 1.202 | 1 | .273 |  |  |
| Fisher's Exact Test |  |  |  | .342 | .182 |
| Linear-by-Linear Association | 1.196 | 1 | .274 |  |  |
| N of Valid Cases | 129 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 18.12. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Estimate** | | | |
|  | Value | 95% Confidence Interval | |
| Lower | Upper |
| Odds Ratio for MARRIAGE STATUS (Unmarried / Married) | .659 | .313 | 1.389 |
| For cohort Y value = 1.00 | .826 | .577 | 1.182 |
| For cohort Y value = 2.00 | 1.252 | .847 | 1.850 |
| N of Valid Cases | 129 |  |  |

(Advanced)

1. **Education Level with Electronic Nursing Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **LEVEL OF EDUCATION \* Y Crosstabulation** | | | | | |
|  | | | Y value | | Total |
| 1.00 | 2.00 |  |
| LEVEL OF EDUCATION | Vocational (D3) | Count | 40 | 35 | 75 |
| % within EDUCATION LEVEL | 53.3% | 46.7% | 100.0% |
| Profession (Nurse, Specialist Nurse) | Count | 32 | 22 | 54 |
| % within EDUCATION LEVEL | 59.3% | 40.7% | 100.0% |
| Total | | Count | 72 | 57 | 129 |
| % within EDUCATION LEVEL | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | | | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | .447a | 1 | .504 | | |  |  |
| Continuity Correctionb | .239 | 1 | .625 | | |  |  |
| Likelihood Ratio | .448 | 1 | .503 | | |  |  |
| Fisher's Exact Test |  |  |  | | | .591 | .313 |
| Linear-by-Linear Association | .444 | 1 | .505 | | |  |  |
| N of Valid Cases | 129 |  |  | | |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 23.86. | | | | | | | | |
| b. Computed only for a 2x2 table | | | | | | | | |
| **Risk Estimate** | | | | |
|  | Value | 95% Confidence Interval | | |
| Lower | | Upper |
| Odds Ratio for LEVEL OF EDUCATION (Vocational (D3) / Profession (Ners, Specialist Nurses)) | .786 | .387 | | 1,594 |
| For cohort Y value = 1.00 | .900 | .663 | | 1.222 |
| For cohort Y value = 2.00 | 1.145 | .766 | | 1,713 |
| N of Valid Cases | 129 |  | |  |

(Advanced)

1. **Working Period with Electronic Nursing Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SERVICE \* Y-Score Crosstabulation** | | | | | |
|  | | | Y value | | Total |
| 1.00 | 2.00 |
| YEARS OF SERVICE | 2 years | Count | 11 | 13 | 24 |
| % within WORKING TIME | 45.8% | 54.2% | 100.0% |
| 2 years | Count | 61 | 44 | 105 |
| % within WORKING TIME | 58.1% | 41.9% | 100.0% |
| Total | | Count | 72 | 57 | 129 |
| % within WORKING TIME | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 1.191a | 1 | .275 |  |  |
| Continuity Correctionb | .746 | 1 | .388 |  |  |
| Likelihood Ratio | 1.183 | 1 | .277 |  |  |
| Fisher's Exact Test |  |  |  | .363 | .194 |
| Linear-by-Linear Association | 1.182 | 1 | .277 |  |  |
| N of Valid Cases | 129 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10.60. | | | | | | |
| b. Computed only for a 2x2 table | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Estimate** | | | |
|  | Value | 95% Confidence Interval | |
| Lower | Upper |
| Odds Ratio for SERVICE (≤ 2 years / 2 years) | .610 | .250 | 1,489 |
| For cohort Y value = 1.00 | .789 | .496 | 1.255 |
| For cohort Y value = 2.00 | 1.293 | .840 | 1990 |
| N of Valid Cases | 129 |  |  |

(Advanced)

* + - * 1. **Supervision of Head of Room with Electronic Nursing Documentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **X VALUE \* Y Crosstabulation** | | | | | |
|  | | | Y value | | Total |
| 1.00 | 2.00 |
| VALUES X | Well | Count | 54 | 16 | 70 |
| % within VALUE X | 77.1% | 22.9% | 100.0% |
| Not good | Count | 18 | 41 | 59 |
| % within VALUE X | 30.5% | 69.5% | 100.0% |
| Total | | Count | 72 | 57 | 129 |
| % within VALUE X | 55.8% | 44.2% | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chi-Square Tests** | | | | | |
|  | Value | df | Asymptotic Significance (2-sided) | Exact Sig. (2-sided) | Exact Sig. (1-sided) |
| Pearson Chi-Square | 28.232a | 1 | .000 |  |  |
| Continuity Correctionb | 26,373 | 1 | .000 |  |  |
| Likelihood Ratio | 29,244 | 1 | .000 |  |  |
| Fisher's Exact Test |  |  |  | .000 | .000 |
| Linear-by-Linear Association | 28.013 | 1 | .000 |  |  |
| N of Valid Cases | 129 |  |  |  |  |
| a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 26.07. | | | | | |
| b. Computed only for a 2x2 table | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Estimate** | | | |
|  | Value | 95% Confidence Interval | |
| Lower | Upper |
| Odds Ratio for VALU X (Good / Poor) | 7,688 | 3,502 | 16,877 |
| For cohort Y value = 1.00 | 2,529 | 1,685 | 3,794 |
| For cohort Y value = 2.00 | .329 | .207 | .522 |
| N of Valid Cases | 129 |  |  |