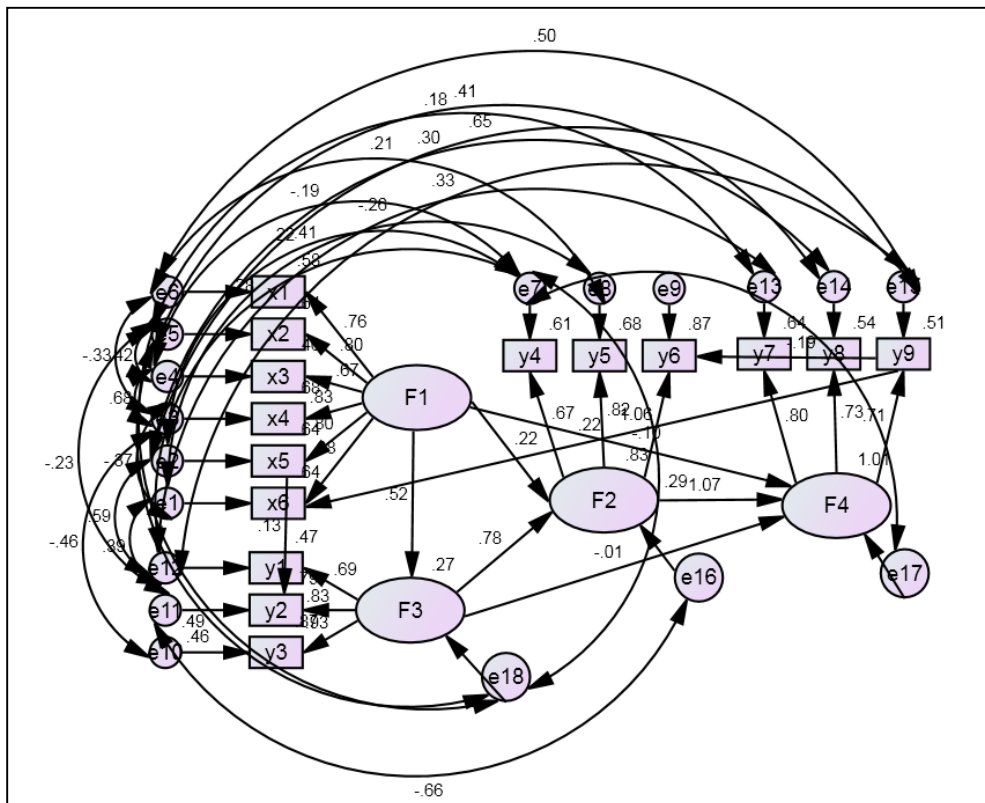
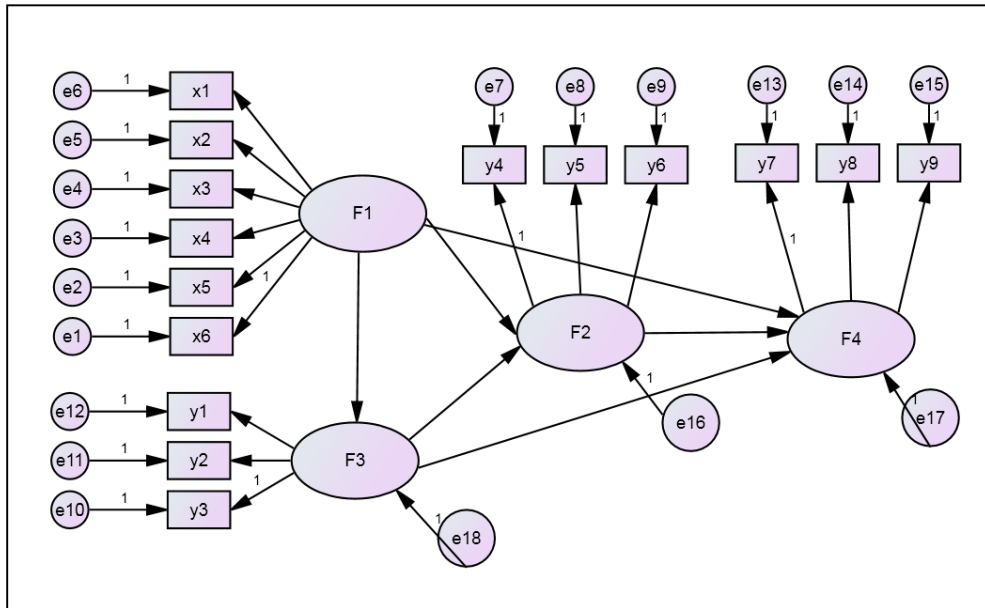


ภาคผนวก 3

1. การวิเคราะห์โมเดลสมการโครงสร้าง (Structural Equation Modeling: SEM) ของ
โรงพยาบาลเอกชนรวมทุกขนาด



Parameter Summary (Group number 1)

| | Weights | Covariances | Variances | Means | Intercepts | Total |
|-----------|---------|-------------|-----------|-------|------------|-------|
| Fixed | 22 | 0 | 0 | 0 | 0 | 22 |
| Labeled | 0 | 0 | 0 | 0 | 0 | 0 |
| Unlabeled | 20 | 25 | 19 | 0 | 0 | 64 |
| Total | 42 | 25 | 19 | 0 | 0 | 86 |

Assessment of normality (Group number 1)

| Variable | min | max | skew | c.r. | kurtosis | c.r. |
|--------------|-------|-------|-------|--------|----------|--------|
| y9 | 2.000 | 5.000 | -.292 | -1.692 | -.256 | -.742 |
| x5 | 3.000 | 5.000 | -.111 | -.643 | -.734 | -2.124 |
| y8 | 3.000 | 5.000 | .023 | .135 | -.342 | -.990 |
| y7 | 2.000 | 5.000 | .050 | .288 | -.275 | -.795 |
| y1 | 3.000 | 5.000 | -.024 | -.140 | -.633 | -1.833 |
| y2 | 3.000 | 5.000 | .161 | .930 | -.697 | -2.016 |
| y3 | 3.000 | 5.000 | .382 | 2.208 | -.799 | -2.313 |
| y6 | 2.000 | 5.000 | .127 | .737 | -.381 | -1.102 |
| y5 | 3.000 | 5.000 | .138 | .800 | -.951 | -2.752 |
| y4 | 3.000 | 5.000 | .259 | 1.499 | -.722 | -2.088 |
| x1 | 3.000 | 5.000 | .070 | .403 | -.980 | -2.837 |
| x2 | 3.000 | 5.000 | .228 | 1.319 | -.616 | -1.782 |
| x3 | 3.000 | 5.000 | .158 | .917 | -.551 | -1.596 |
| x4 | 3.000 | 5.000 | .166 | .959 | -.538 | -1.558 |
| x6 | 2.000 | 5.000 | -.425 | -2.462 | .216 | .625 |
| Multivariate | | | | | 13.991 | 4.392 |

Observations farthest from the centroid (Mahalanobis distance) (Group number 1)

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|-------|
| 6 | 25.850 | .040 | 1.000 |
| 46 | 25.850 | .040 | .997 |
| 86 | 25.850 | .040 | .987 |
| 126 | 25.850 | .040 | .959 |
| 166 | 25.850 | .040 | .903 |
| 27 | 24.935 | .051 | .945 |
| 67 | 24.935 | .051 | .889 |
| 107 | 24.935 | .051 | .806 |
| 147 | 24.935 | .051 | .697 |
| 187 | 24.935 | .051 | .573 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 25 | 24.004 | .065 | .763 |
| 65 | 24.004 | .065 | .661 |
| 105 | 24.004 | .065 | .549 |
| 145 | 24.004 | .065 | .435 |
| 185 | 24.004 | .065 | .329 |
| 31 | 22.751 | .090 | .725 |
| 71 | 22.751 | .090 | .634 |
| 111 | 22.751 | .090 | .536 |
| 151 | 22.751 | .090 | .438 |
| 191 | 22.751 | .090 | .345 |
| 38 | 22.161 | .104 | .519 |
| 78 | 22.161 | .104 | .427 |
| 118 | 22.161 | .104 | .340 |
| 158 | 22.161 | .104 | .262 |
| 198 | 22.161 | .104 | .196 |
| 19 | 21.716 | .115 | .300 |
| 59 | 21.716 | .115 | .230 |
| 99 | 21.716 | .115 | .171 |
| 139 | 21.716 | .115 | .123 |
| 179 | 21.716 | .115 | .086 |
| 17 | 21.406 | .124 | .121 |
| 57 | 21.406 | .124 | .085 |
| 97 | 21.406 | .124 | .058 |
| 137 | 21.406 | .124 | .039 |
| 177 | 21.406 | .124 | .025 |
| 7 | 21.210 | .130 | .029 |
| 47 | 21.210 | .130 | .019 |
| 87 | 21.210 | .130 | .011 |
| 127 | 21.210 | .130 | .007 |
| 167 | 21.210 | .130 | .004 |
| 26 | 21.004 | .137 | .005 |
| 66 | 21.004 | .137 | .003 |
| 106 | 21.004 | .137 | .002 |
| 146 | 21.004 | .137 | .001 |
| 186 | 21.004 | .137 | .001 |
| 39 | 20.719 | .146 | .001 |
| 79 | 20.719 | .146 | .001 |
| 119 | 20.719 | .146 | .000 |
| 159 | 20.719 | .146 | .000 |
| 199 | 20.719 | .146 | .000 |
| 24 | 19.730 | .183 | .007 |
| 64 | 19.730 | .183 | .005 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 104 | 19.730 | .183 | .003 |
| 144 | 19.730 | .183 | .002 |
| 184 | 19.730 | .183 | .001 |
| 35 | 19.698 | .184 | .001 |
| 75 | 19.698 | .184 | .000 |
| 115 | 19.698 | .184 | .000 |
| 155 | 19.698 | .184 | .000 |
| 195 | 19.698 | .184 | .000 |
| 3 | 19.475 | .193 | .000 |
| 43 | 19.475 | .193 | .000 |
| 83 | 19.475 | .193 | .000 |
| 123 | 19.475 | .193 | .000 |
| 163 | 19.475 | .193 | .000 |
| 34 | 19.173 | .206 | .000 |
| 74 | 19.173 | .206 | .000 |
| 114 | 19.173 | .206 | .000 |
| 154 | 19.173 | .206 | .000 |
| 194 | 19.173 | .206 | .000 |
| 28 | 18.710 | .227 | .000 |
| 68 | 18.710 | .227 | .000 |
| 108 | 18.710 | .227 | .000 |
| 148 | 18.710 | .227 | .000 |
| 188 | 18.710 | .227 | .000 |
| 9 | 18.085 | .258 | .000 |
| 49 | 18.085 | .258 | .000 |
| 89 | 18.085 | .258 | .000 |
| 129 | 18.085 | .258 | .000 |
| 169 | 18.085 | .258 | .000 |
| 37 | 17.543 | .287 | .000 |
| 77 | 17.543 | .287 | .000 |
| 117 | 17.543 | .287 | .000 |
| 157 | 17.543 | .287 | .000 |
| 197 | 17.543 | .287 | .000 |
| 36 | 17.136 | .311 | .000 |
| 76 | 17.136 | .311 | .000 |
| 116 | 17.136 | .311 | .000 |
| 156 | 17.136 | .311 | .000 |
| 196 | 17.136 | .311 | .000 |
| 33 | 16.622 | .342 | .001 |
| 73 | 16.622 | .342 | .000 |
| 113 | 16.622 | .342 | .000 |
| 153 | 16.622 | .342 | .000 |

| | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | y9 | x5 | y8 | y7 | y1 | y2 | y3 | y6 | y5 | y4 | x1 | x2 | x3 | x4 | x6 |
| 4 | | | | | | | | | | | | | | 0 | |
| x | .526 | .693 | .496 | .429 | .597 | .541 | .527 | .562 | .606 | .434 | .652 | .681 | .478 | .462 | 1.00 |
| 6 | | | | | | | | | | | | | | | 0 |

Condition number = 158.178

Eigenvalues

8.493 1.805 1.177 .646 .585 .501 .470 .324 .249 .209 .161 .135 .109 .083 .054

The following covariance matrix is not positive definite (Group number 1 - Default model)

| | | | | | | | | | | | | | | | | | |
|----|-----|------|------|-----|-----|-----|------|-----|------|------|------|------|------|-----|------|------|-----|
| | e18 | e16 | e17 | e15 | e2 | e14 | e13 | e12 | e11 | e10 | e8 | e7 | e6 | e5 | e4 | e3 | e1 |
| e1 | .28 | | | | | | | | | | | | | | | | |
| 8 | 1 | | | | | | | | | | | | | | | | |
| e1 | .00 | .033 | | | | | | | | | | | | | | | |
| 6 | 0 | | | | | | | | | | | | | | | | |
| e1 | .00 | .000 | - | | | | | | | | | | | | | | |
| 7 | 0 | | .003 | | | | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .25 | | | | | | | | | | | | | |
| 5 | 0 | | | .8 | | | | | | | | | | | | | |
| e2 | .00 | .000 | .000 | .12 | .15 | | | | | | | | | | | | |
| 0 | | | | 7 | 0 | | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .00 | .04 | .15 | | | | | | | | | | | |
| 4 | 0 | | | 0 | 6 | 5 | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .00 | .00 | .00 | .156 | | | | | | | | | | |
| 3 | 0 | | | 0 | 0 | 0 | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .07 | .10 | .00 | - | .21 | | | | | | | | | |
| 2 | 0 | | | 8 | 5 | 0 | .048 | 2 | | | | | | | | | |
| e1 | .00 | - | .000 | .00 | .00 | .00 | .000 | .00 | .088 | | | | | | | | |
| 1 | 0 | .036 | | 0 | 0 | 0 | | 0 | | | | | | | | | |
| e1 | .00 | .000 | .000 | .00 | .00 | .00 | .000 | .00 | .000 | .059 | | | | | | | |
| 0 | 0 | | | 0 | 0 | 0 | | 0 | | | | | | | | | |
| e8 | .00 | .000 | .000 | .00 | .00 | .00 | .000 | .00 | .000 | .000 | .15 | | | | | | |
| 0 | | | | 0 | 0 | 0 | | 0 | | | 9 | | | | | | |
| e7 | .06 | .000 | - | .00 | .03 | .00 | .000 | .05 | .000 | .000 | .00 | .176 | | | | | |
| 5 | | | .047 | 0 | 6 | 0 | | 4 | | | 0 | | | | | | |
| e6 | .11 | .000 | .000 | .11 | .00 | .00 | .000 | .00 | .000 | .000 | .03 | .000 | .197 | | | | |
| 6 | | | | 4 | 0 | 0 | | 0 | | | 7 | | | | | | |
| e5 | .08 | .000 | .000 | .00 | .00 | .05 | .026 | .00 | - | .000 | .00 | .000 | .000 | .13 | | | |
| 9 | | | | 0 | 0 | 9 | | 0 | .025 | | 0 | | | 4 | | | |
| e4 | .00 | .000 | .000 | .00 | .00 | .00 | .000 | .00 | .000 | .000 | .00 | - | .06 | .18 | | | |
| 0 | | | | 0 | 0 | 0 | | 0 | | | 0 | .034 | 4 | 0 | | | |
| e3 | .00 | .000 | .000 | .00 | .00 | .00 | .000 | .00 | - | .000 | .00 | .000 | .00 | .09 | | | |
| 0 | | | | 0 | 0 | 0 | | 0 | .038 | 0 | .000 | .050 | 0 | 9 | .118 | | |
| e1 | .00 | .000 | .000 | .00 | .00 | .00 | .000 | .07 | .000 | .000 | .07 | .000 | .000 | .00 | .00 | - | .18 |
| 0 | | | | 0 | 0 | 0 | | 7 | | | 0 | .000 | .000 | 0 | 0 | .054 | 2 |

Estimates (Group number 1 - Default model)

Scalar Estimates (Group number 1 - Default model)

Maximum Likelihood Estimates

Regression Weights: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|------------|----------|------|--------|------|--------|
| F3 <--- F1 | .677 | .092 | 7.361 | *** | par_14 |
| F2 <--- F1 | .209 | .050 | 4.187 | *** | par_12 |
| F2 <--- F3 | .561 | .057 | 9.889 | *** | par_15 |
| F4 <--- F2 | 1.260 | .184 | 6.861 | *** | par_13 |
| F4 <--- F3 | -.005 | .087 | -.053 | .957 | par_16 |
| F4 <--- F1 | -.111 | .065 | -1.702 | .089 | par_17 |
| x5 <--- F1 | 1.071 | .094 | 11.407 | *** | par_1 |

| | Estimate | S.E. | C.R. | P | Label |
|------------|----------|------|--------|------|--------|
| y9 <--- F4 | .976 | .082 | 11.881 | *** | par_11 |
| x6 <--- F1 | 1.000 | | | | |
| x4 <--- F1 | 1.040 | .103 | 10.111 | *** | par_2 |
| x3 <--- F1 | .804 | .084 | 9.604 | *** | par_3 |
| x2 <--- F1 | 1.014 | .087 | 11.619 | *** | par_4 |
| x1 <--- F1 | 1.093 | .101 | 10.770 | *** | par_5 |
| y4 <--- F2 | 1.000 | | | | |
| y5 <--- F2 | 1.282 | .113 | 11.302 | *** | par_6 |
| y6 <--- F2 | 1.644 | .146 | 11.246 | *** | par_7 |
| y3 <--- F3 | 1.000 | | | | |
| y2 <--- F3 | .871 | .049 | 17.645 | *** | par_8 |
| y1 <--- F3 | .698 | .054 | 12.920 | *** | par_9 |
| y7 <--- F4 | 1.000 | | | | |
| y8 <--- F4 | .798 | .069 | 11.538 | *** | par_10 |
| x6 <--- y9 | .215 | .051 | 4.241 | *** | par_43 |
| y6 <--- y9 | -.184 | .048 | -3.797 | *** | par_44 |
| y2 <--- x5 | .132 | .042 | 3.127 | .002 | par_45 |

Standardized Regression Weights: (Group number 1 - Default model)

| | Estimate |
|------------|----------|
| F3 <--- F1 | .524 |
| F2 <--- F1 | .224 |
| F2 <--- F3 | .776 |
| F4 <--- F2 | 1.070 |
| F4 <--- F3 | -.005 |
| F4 <--- F1 | -.101 |
| x5 <--- F1 | .800 |
| y9 <--- F4 | .714 |
| x6 <--- F1 | .682 |
| x4 <--- F1 | .825 |
| x3 <--- F1 | .675 |
| x2 <--- F1 | .801 |
| x1 <--- F1 | .765 |
| y4 <--- F2 | .670 |
| y5 <--- F2 | .822 |
| y6 <--- F2 | 1.060 |
| y3 <--- F3 | .932 |
| y2 <--- F3 | .829 |
| y1 <--- F3 | .687 |
| y7 <--- F4 | .802 |
| y8 <--- F4 | .732 |

| | Estimate |
|------------|----------|
| x6 <--- y9 | .220 |
| y6 <--- y9 | -.191 |
| y2 <--- x5 | .130 |

Covariances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|--------------|----------|------|--------|------|--------|
| e2 <--> e15 | .127 | .015 | 8.601 | *** | par_25 |
| e3 <--> e4 | .099 | .012 | 8.238 | *** | par_18 |
| e6 <--> e15 | .114 | .014 | 7.948 | *** | par_19 |
| e12 <--> e2 | .105 | .013 | 7.885 | *** | par_20 |
| e4 <--> e5 | .064 | .008 | 8.197 | *** | par_21 |
| e3 <--> e10 | -.038 | .006 | -5.942 | *** | par_22 |
| e1 <--> e12 | .077 | .013 | 6.073 | *** | par_23 |
| e5 <--> e14 | .059 | .011 | 5.558 | *** | par_24 |
| e12 <--> e15 | .078 | .017 | 4.697 | *** | par_26 |
| e11 <--> e16 | -.036 | .007 | -5.069 | *** | par_27 |
| e7 <--> e17 | -.047 | .009 | -5.173 | *** | par_28 |
| e1 <--> e8 | .070 | .015 | 4.680 | *** | par_29 |
| e14 <--> e2 | .046 | .010 | 4.362 | *** | par_30 |
| e6 <--> e18 | .116 | .018 | 6.496 | *** | par_31 |
| e5 <--> e18 | .089 | .014 | 6.501 | *** | par_32 |
| e1 <--> e3 | -.054 | .009 | -5.795 | *** | par_33 |
| e3 <--> e6 | -.050 | .009 | -5.455 | *** | par_34 |
| e12 <--> e13 | -.048 | .012 | -4.173 | *** | par_35 |
| e7 <--> e12 | .054 | .012 | 4.603 | *** | par_36 |
| e5 <--> e13 | .026 | .008 | 3.113 | .002 | par_37 |
| e7 <--> e2 | .036 | .011 | 3.176 | .001 | par_38 |
| e4 <--> e7 | -.034 | .008 | -4.374 | *** | par_39 |
| e7 <--> e18 | .065 | .015 | 4.336 | *** | par_40 |
| e5 <--> e11 | -.025 | .008 | -3.122 | .002 | par_41 |
| e6 <--> e8 | .037 | .012 | 3.192 | .001 | par_42 |

Correlations: (Group number 1 - Default model)

| | Estimate |
|-------------|----------|
| e2 <--> e15 | .646 |
| e3 <--> e4 | .680 |
| e6 <--> e15 | .505 |
| e12 <--> e2 | .587 |
| e4 <--> e5 | .415 |
| e3 <--> e10 | -.462 |

| | Estimate |
|--------------|----------|
| e1 <--> e12 | .393 |
| e5 <--> e14 | .411 |
| e12 <--> e15 | .332 |
| e11 <--> e16 | -.657 |
| e1 <--> e8 | .413 |
| e14 <--> e2 | .300 |
| e6 <--> e18 | .494 |
| e5 <--> e18 | .457 |
| e1 <--> e3 | -.372 |
| e3 <--> e6 | -.331 |
| e12 <--> e13 | -.265 |
| e7 <--> e12 | .281 |
| e5 <--> e13 | .183 |
| e7 <--> e2 | .219 |
| e4 <--> e7 | -.191 |
| e7 <--> e18 | .294 |
| e5 <--> e11 | -.228 |
| e6 <--> e8 | .210 |

Variances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|-----|----------|------|--------|------|--------|
| F1 | .232 | .040 | 5.767 | *** | par_46 |
| e18 | .281 | .033 | 8.421 | *** | par_47 |
| e16 | .033 | .007 | 4.621 | *** | par_48 |
| e17 | -.003 | .009 | -.282 | .778 | par_49 |
| e2 | .150 | .017 | 9.054 | *** | par_50 |
| e15 | .258 | .025 | 10.182 | *** | par_51 |
| e1 | .182 | .020 | 9.206 | *** | par_52 |
| e3 | .118 | .016 | 7.482 | *** | par_53 |
| e4 | .180 | .015 | 11.877 | *** | par_54 |
| e5 | .134 | .014 | 9.828 | *** | par_55 |
| e6 | .197 | .022 | 8.940 | *** | par_56 |
| e7 | .176 | .020 | 8.904 | *** | par_57 |
| e8 | .159 | .018 | 8.918 | *** | par_58 |
| e9 | .063 | .011 | 5.937 | *** | par_59 |
| e10 | .059 | .010 | 5.819 | *** | par_60 |
| e11 | .088 | .012 | 7.657 | *** | par_61 |
| e12 | .212 | .020 | 10.482 | *** | par_62 |
| e13 | .156 | .018 | 8.749 | *** | par_63 |
| e14 | .155 | .017 | 8.853 | *** | par_64 |

Matrices (Group number 1 - Default model)**Implied Covariances (Group number 1 - Default model)**

| | y9 | x5 | y8 | y7 | y1 | y2 | y3 | y6 | y5 | y4 | x1 | x2 | x3 | x4 | x6 |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| y9 | .525 | | | | | | | | | | | | | | |
| x5 | .279 | .417 | | | | | | | | | | | | | |
| y8 | .218 | .170 | .333 | | | | | | | | | | | | |
| y7 | .274 | .156 | .224 | .436 | | | | | | | | | | | |
| y1 | .279 | .222 | .165 | .158 | .400 | | | | | | | | | | |
| y2 | .245 | .202 | .192 | .233 | .265 | .428 | | | | | | | | | |
| y3 | .289 | .168 | .236 | .296 | .270 | .360 | .446 | | | | | | | | |
| y6 | .286 | .189 | .273 | .342 | .236 | .286 | .358 | .487 | | | | | | | |
| y5 | .299 | .188 | .244 | .306 | .224 | .258 | .321 | .372 | .492 | | | | | | |
| y4 | .232 | .182 | .189 | .237 | .274 | .263 | .316 | .350 | .306 | .451 | | | | | |
| x1 | .349 | .272 | .192 | .241 | .201 | .287 | .288 | .289 | .313 | .215 | .475 | | | | |
| x2 | .205 | .252 | .227 | .237 | .173 | .225 | .248 | .272 | .242 | .189 | .258 | .373 | | | |
| x3 | .114 | .200 | .094 | .117 | .088 | .137 | .126 | .160 | .141 | .076 | .204 | .254 | .330 | | |
| x4 | .148 | .259 | .121 | .152 | .114 | .177 | .125 | .207 | .182 | .142 | .214 | .245 | .293 | .369 | |
| x6 | .255 | .309 | .163 | .205 | .247 | .222 | .219 | .260 | .310 | .187 | .329 | .280 | .212 | .219 | .500 |

Implied Correlations (Group number 1 - Default model)

| | y9 | x5 | y8 | y7 | y1 | y2 | y3 | y6 | y5 | y4 | x1 | x2 | x3 | x4 | x6 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| y9 | 1.000 | | | | | | | | | | | | | | |
| x5 | .598 | 1.000 | | | | | | | | | | | | | |
| y8 | .522 | .457 | 1.000 | | | | | | | | | | | | |
| y7 | .572 | .366 | .587 | 1.000 | | | | | | | | | | | |
| y1 | .609 | .544 | .451 | .379 | 1.000 | | | | | | | | | | |
| y2 | .516 | .477 | .509 | .540 | .640 | 1.000 | | | | | | | | | |
| y3 | .597 | .391 | .613 | .671 | .640 | .823 | 1.000 | | | | | | | | |
| y6 | .567 | .421 | .678 | .742 | .534 | .628 | .769 | 1.000 | | | | | | | |
| y5 | .588 | .415 | .603 | .660 | .504 | .563 | .685 | .760 | 1.000 | | | | | | |
| y4 | .476 | .420 | .489 | .535 | .645 | .599 | .703 | .748 | .650 | 1.000 | | | | | |
| x1 | .699 | .611 | .484 | .529 | .461 | .636 | .626 | .601 | .647 | .464 | 1.000 | | | | |
| x2 | .464 | .640 | .643 | .587 | .448 | .562 | .609 | .639 | .564 | .460 | .612 | 1.000 | | | |
| x3 | .275 | .539 | .282 | .309 | .243 | .363 | .330 | .399 | .350 | .197 | .516 | .724 | 1.000 | | |
| x4 | .336 | .660 | .345 | .378 | .297 | .444 | .309 | .488 | .428 | .349 | .510 | .661 | .840 | 1.000 | |
| x6 | .498 | .677 | .400 | .438 | .552 | .481 | .465 | .528 | .625 | .393 | .675 | .648 | .521 | .510 | 1.000 |

Total Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|-------|------|-------|-------|------|------|
| F3 | .677 | .000 | .000 | .000 | .000 | .000 |
| F2 | .589 | .561 | .000 | .000 | .000 | .000 |
| F4 | .627 | .702 | 1.260 | .000 | .000 | .000 |
| y9 | .612 | .685 | 1.229 | .976 | .000 | .000 |
| x5 | 1.071 | .000 | .000 | .000 | .000 | .000 |
| y8 | .501 | .560 | 1.005 | .798 | .000 | .000 |
| y7 | .627 | .702 | 1.260 | 1.000 | .000 | .000 |

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|-------|-------|-------|-------|-------|------|
| y1 | .472 | .698 | .000 | .000 | .000 | .000 |
| y2 | .730 | .871 | .000 | .000 | .000 | .132 |
| y3 | .677 | 1.000 | .000 | .000 | .000 | .000 |
| y6 | .855 | .796 | 1.418 | -.180 | -.184 | .000 |
| y5 | .755 | .719 | 1.282 | .000 | .000 | .000 |
| y4 | .589 | .561 | 1.000 | .000 | .000 | .000 |
| x1 | 1.093 | .000 | .000 | .000 | .000 | .000 |
| x2 | 1.014 | .000 | .000 | .000 | .000 | .000 |
| x3 | .804 | .000 | .000 | .000 | .000 | .000 |
| x4 | 1.040 | .000 | .000 | .000 | .000 | .000 |
| x6 | 1.132 | .147 | .264 | .210 | .215 | .000 |

Standardized Total Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|------|------|-------|-------|-------|------|
| F3 | .524 | .000 | .000 | .000 | .000 | .000 |
| F2 | .631 | .776 | .000 | .000 | .000 | .000 |
| F4 | .571 | .825 | 1.070 | .000 | .000 | .000 |
| y9 | .407 | .589 | .764 | .714 | .000 | .000 |
| x5 | .800 | .000 | .000 | .000 | .000 | .000 |
| y8 | .418 | .604 | .784 | .732 | .000 | .000 |
| y7 | .458 | .661 | .858 | .802 | .000 | .000 |
| y1 | .360 | .687 | .000 | .000 | .000 | .000 |
| y2 | .538 | .829 | .000 | .000 | .000 | .130 |
| y3 | .488 | .932 | .000 | .000 | .000 | .000 |
| y6 | .591 | .710 | .914 | -.136 | -.191 | .000 |
| y5 | .519 | .638 | .822 | .000 | .000 | .000 |
| y4 | .423 | .520 | .670 | .000 | .000 | .000 |
| x1 | .765 | .000 | .000 | .000 | .000 | .000 |
| x2 | .801 | .000 | .000 | .000 | .000 | .000 |
| x3 | .675 | .000 | .000 | .000 | .000 | .000 |
| x4 | .825 | .000 | .000 | .000 | .000 | .000 |
| x6 | .772 | .130 | .168 | .157 | .220 | .000 |

Direct Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|-------|-------|-------|------|------|------|
| F3 | .677 | .000 | .000 | .000 | .000 | .000 |
| F2 | .209 | .561 | .000 | .000 | .000 | .000 |
| F4 | -.111 | -.005 | 1.260 | .000 | .000 | .000 |
| y9 | .000 | .000 | .000 | .976 | .000 | .000 |
| x5 | 1.071 | .000 | .000 | .000 | .000 | .000 |

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|-------|-------|-------|-------|-------|------|
| y8 | .000 | .000 | .000 | .798 | .000 | .000 |
| y7 | .000 | .000 | .000 | 1.000 | .000 | .000 |
| y1 | .000 | .698 | .000 | .000 | .000 | .000 |
| y2 | .000 | .871 | .000 | .000 | .000 | .132 |
| y3 | .000 | 1.000 | .000 | .000 | .000 | .000 |
| y6 | .000 | .000 | 1.644 | .000 | -.184 | .000 |
| y5 | .000 | .000 | 1.282 | .000 | .000 | .000 |
| y4 | .000 | .000 | 1.000 | .000 | .000 | .000 |
| x1 | 1.093 | .000 | .000 | .000 | .000 | .000 |
| x2 | 1.014 | .000 | .000 | .000 | .000 | .000 |
| x3 | .804 | .000 | .000 | .000 | .000 | .000 |
| x4 | 1.040 | .000 | .000 | .000 | .000 | .000 |
| x6 | 1.000 | .000 | .000 | .000 | .215 | .000 |

Standardized Direct Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|-------|-------|-------|------|-------|------|
| F3 | .524 | .000 | .000 | .000 | .000 | .000 |
| F2 | .224 | .776 | .000 | .000 | .000 | .000 |
| F4 | -.101 | -.005 | 1.070 | .000 | .000 | .000 |
| y9 | .000 | .000 | .000 | .714 | .000 | .000 |
| x5 | .800 | .000 | .000 | .000 | .000 | .000 |
| y8 | .000 | .000 | .000 | .732 | .000 | .000 |
| y7 | .000 | .000 | .000 | .802 | .000 | .000 |
| y1 | .000 | .687 | .000 | .000 | .000 | .000 |
| y2 | .000 | .829 | .000 | .000 | .000 | .130 |
| y3 | .000 | .932 | .000 | .000 | .000 | .000 |
| y6 | .000 | .000 | 1.060 | .000 | -.191 | .000 |
| y5 | .000 | .000 | .822 | .000 | .000 | .000 |
| y4 | .000 | .000 | .670 | .000 | .000 | .000 |
| x1 | .765 | .000 | .000 | .000 | .000 | .000 |
| x2 | .801 | .000 | .000 | .000 | .000 | .000 |
| x3 | .675 | .000 | .000 | .000 | .000 | .000 |
| x4 | .825 | .000 | .000 | .000 | .000 | .000 |
| x6 | .682 | .000 | .000 | .000 | .220 | .000 |

Indirect Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|------|------|------|------|------|------|
| F3 | .000 | .000 | .000 | .000 | .000 | .000 |
| F2 | .380 | .000 | .000 | .000 | .000 | .000 |
| F4 | .739 | .706 | .000 | .000 | .000 | .000 |

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|------|------|-------|-------|------|------|
| y9 | .612 | .685 | 1.229 | .000 | .000 | .000 |
| x5 | .000 | .000 | .000 | .000 | .000 | .000 |
| y8 | .501 | .560 | 1.005 | .000 | .000 | .000 |
| y7 | .627 | .702 | 1.260 | .000 | .000 | .000 |
| y1 | .472 | .000 | .000 | .000 | .000 | .000 |
| y2 | .730 | .000 | .000 | .000 | .000 | .000 |
| y3 | .677 | .000 | .000 | .000 | .000 | .000 |
| y6 | .855 | .796 | -.226 | -.180 | .000 | .000 |
| y5 | .755 | .719 | .000 | .000 | .000 | .000 |
| y4 | .589 | .561 | .000 | .000 | .000 | .000 |
| x1 | .000 | .000 | .000 | .000 | .000 | .000 |
| x2 | .000 | .000 | .000 | .000 | .000 | .000 |
| x3 | .000 | .000 | .000 | .000 | .000 | .000 |
| x4 | .000 | .000 | .000 | .000 | .000 | .000 |
| x6 | .132 | .147 | .264 | .210 | .000 | .000 |

Standardized Indirect Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 | y9 | x5 |
|----|------|------|-------|-------|------|------|
| F3 | .000 | .000 | .000 | .000 | .000 | .000 |
| F2 | .407 | .000 | .000 | .000 | .000 | .000 |
| F4 | .672 | .830 | .000 | .000 | .000 | .000 |
| y9 | .407 | .589 | .764 | .000 | .000 | .000 |
| x5 | .000 | .000 | .000 | .000 | .000 | .000 |
| y8 | .418 | .604 | .784 | .000 | .000 | .000 |
| y7 | .458 | .661 | .858 | .000 | .000 | .000 |
| y1 | .360 | .000 | .000 | .000 | .000 | .000 |
| y2 | .538 | .000 | .000 | .000 | .000 | .000 |
| y3 | .488 | .000 | .000 | .000 | .000 | .000 |
| y6 | .591 | .710 | -.146 | -.136 | .000 | .000 |
| y5 | .519 | .638 | .000 | .000 | .000 | .000 |
| y4 | .423 | .520 | .000 | .000 | .000 | .000 |
| x1 | .000 | .000 | .000 | .000 | .000 | .000 |
| x2 | .000 | .000 | .000 | .000 | .000 | .000 |
| x3 | .000 | .000 | .000 | .000 | .000 | .000 |
| x4 | .000 | .000 | .000 | .000 | .000 | .000 |
| x6 | .090 | .130 | .168 | .157 | .000 | .000 |

Model Fit Summary**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
|--------------------|------|----------|-----|------|---------|
| Default model | 64 | 106.745 | 56 | .000 | 1.906 |
| Saturated model | 120 | .000 | 0 | | |
| Independence model | 15 | 3013.509 | 105 | .000 | 28.700 |

RMR, GFI

| Model | RMR | GFI | AGFI | PGFI |
|--------------------|------|-------|-------|------|
| Default model | .019 | .938 | 0.967 | .438 |
| Saturated model | .000 | 1.000 | | |
| Independence model | .226 | .192 | .076 | .168 |

Baseline Comparisons

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
|--------------------|---------------|-------------|---------------|-------------|-------|
| Default model | .965 | .934 | .983 | .967 | .983 |
| Saturated model | 1.000 | | 1.000 | | 1.000 |
| Independence model | .000 | .000 | .000 | .000 | .000 |

Parsimony-Adjusted Measures

| Model | PRATIO | PNFI | PCFI |
|--------------------|--------|------|------|
| Default model | .533 | .514 | .524 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

NCP

| Model | NCP | LO 90 | HI 90 |
|--------------------|----------|----------|----------|
| Default model | 50.745 | 25.382 | 83.915 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 2908.509 | 2733.093 | 3091.242 |

FMIN

| Model | FMIN | F0 | LO 90 | HI 90 |
|--------------------|--------|--------|--------|--------|
| Default model | .534 | .254 | .127 | .420 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 15.068 | 14.543 | 13.665 | 15.456 |

RMSEA

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
|--------------------|-------|-------|-------|--------|
| Default model | .006 | .048 | .087 | .072 |
| Independence model | .372 | .361 | .384 | .000 |

AIC

| Model | AIC | BCC | BIC | CAIC |
|--------------------|----------|----------|----------|----------|
| Default model | 234.745 | 245.875 | 446.156 | 510.156 |
| Saturated model | 240.000 | 260.870 | 636.397 | 756.397 |
| Independence model | 3043.509 | 3046.117 | 3093.058 | 3108.058 |

ECVI

| Model | ECVI | LO 90 | HI 90 | MECVI |
|--------------------|--------|--------|--------|--------|
| Default model | 1.174 | 1.047 | 1.340 | 1.229 |
| Saturated model | 1.200 | 1.200 | 1.200 | 1.304 |
| Independence model | 15.218 | 14.340 | 16.131 | 15.231 |

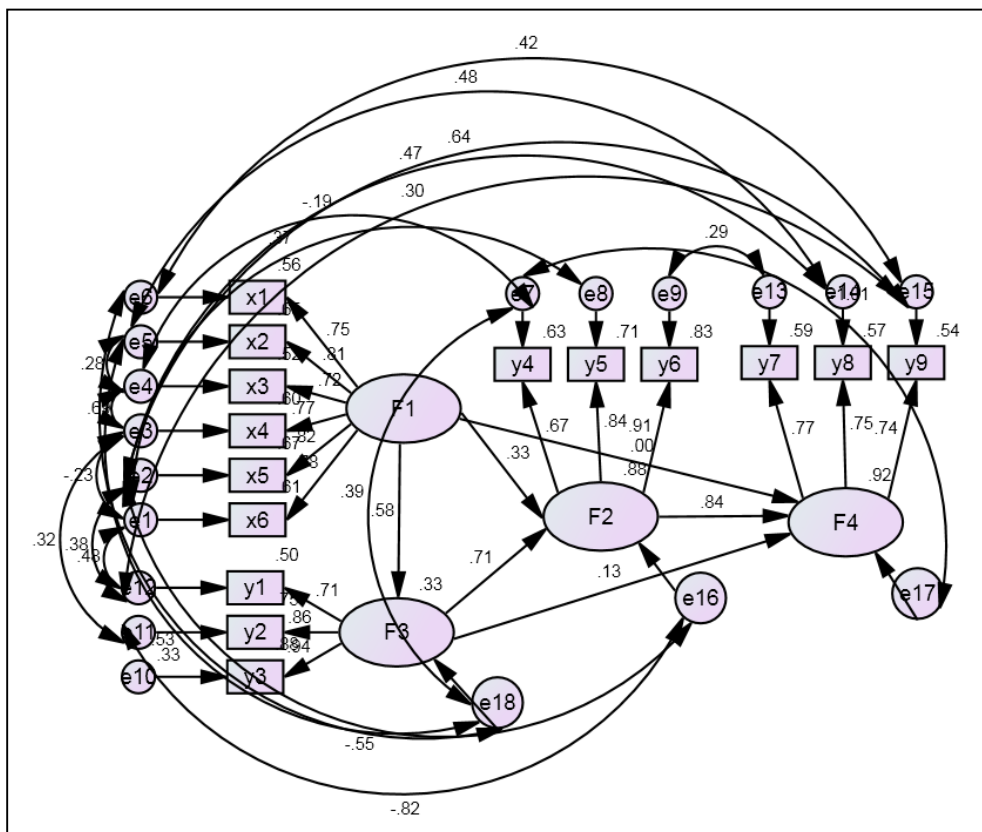
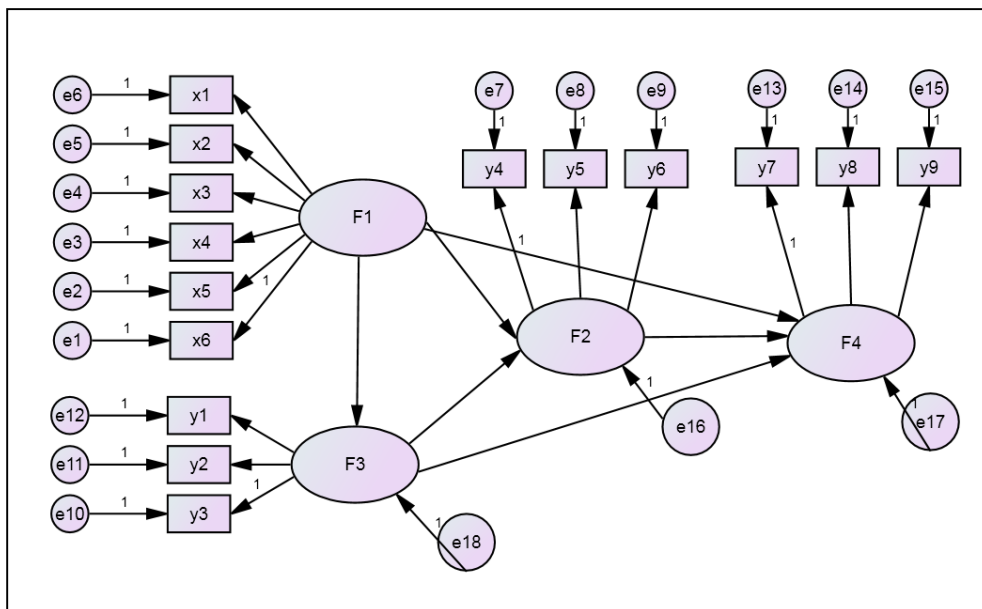
HOELTER

| Model | HOELTER | HOELTER |
|--------------------|---------|---------|
| | .05 | .01 |
| Default model | 140 | 157 |
| Independence model | 9 | 10 |

Execution time summary

| | |
|----------------|------|
| Minimization: | .017 |
| Miscellaneous: | .482 |
| Bootstrap: | .000 |
| Total: | .499 |

2. การวิเคราะห์โมเดลสมการโครงสร้าง (Structural Equation Modeling: SEM) ของ
โรงพยาบาลเอกชนขนาดเล็ก



Notes for Group (Group number 1)

[The model is recursive.](#)

Sample size = 101

Parameter Summary (Group number 1)

| | Weights | Covariances | Variances | Means | Intercepts | Total |
|-----------|---------|-------------|-----------|-------|------------|-------|
| Fixed | 22 | 0 | 0 | 0 | 0 | 22 |
| Labeled | 0 | 0 | 0 | 0 | 0 | 0 |
| Unlabeled | 17 | 20 | 19 | 0 | 0 | 56 |
| Total | 39 | 20 | 19 | 0 | 0 | 78 |

Assessment of normality (Group number 1)

| Variable | min | max | skew | c.r. | kurtosis | c.r. |
|--------------|-------|-------|-------|--------|----------|--------|
| y9 | 2.000 | 5.000 | -.293 | -1.201 | -.194 | -.398 |
| y8 | 3.000 | 5.000 | .028 | .114 | -.272 | -.558 |
| y7 | 2.000 | 5.000 | .030 | .123 | -.274 | -.561 |
| y1 | 3.000 | 5.000 | -.044 | -.179 | -.467 | -.958 |
| y2 | 3.000 | 5.000 | .102 | .420 | -.674 | -1.383 |
| y3 | 3.000 | 5.000 | .307 | 1.259 | -.825 | -1.692 |
| y6 | 2.000 | 5.000 | .143 | .586 | -.438 | -.898 |
| y5 | 3.000 | 5.000 | .093 | .381 | -.920 | -1.888 |
| y4 | 3.000 | 5.000 | .239 | .980 | -.762 | -1.562 |
| x1 | 3.000 | 5.000 | .040 | .164 | -.935 | -1.919 |
| x2 | 3.000 | 5.000 | .191 | .783 | -.590 | -1.211 |
| x3 | 3.000 | 5.000 | .198 | .811 | -.581 | -1.192 |
| x4 | 3.000 | 5.000 | .149 | .610 | -.512 | -1.050 |
| x5 | 3.000 | 5.000 | -.120 | -.492 | -.605 | -1.241 |
| x6 | 2.000 | 5.000 | -.436 | -1.787 | .446 | .915 |
| Multivariate | | | | | 25.939 | 5.772 |

Observations farthest from the centroid (Mahalanobis distance) (Group number 1)

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 27 | 29.111 | .016 | .795 |
| 67 | 29.111 | .016 | .467 |
| 25 | 27.699 | .024 | .425 |
| 65 | 27.699 | .024 | .215 |
| 31 | 26.249 | .035 | .289 |
| 71 | 26.249 | .035 | .150 |
| 38 | 24.600 | .056 | .330 |
| 78 | 24.600 | .056 | .200 |
| 26 | 23.761 | .069 | .266 |
| 66 | 23.761 | .069 | .162 |
| 39 | 23.626 | .072 | .109 |
| 79 | 23.626 | .072 | .058 |
| 6 | 23.123 | .082 | .067 |
| 46 | 23.123 | .082 | .035 |
| 86 | 23.123 | .082 | .017 |
| 24 | 23.018 | .084 | .010 |
| 64 | 23.018 | .084 | .004 |
| 28 | 22.401 | .098 | .009 |
| 68 | 22.401 | .098 | .004 |
| 34 | 22.006 | .108 | .005 |
| 74 | 22.006 | .108 | .002 |
| 35 | 21.962 | .109 | .001 |
| 75 | 21.962 | .109 | .000 |
| 19 | 19.939 | .174 | .065 |
| 59 | 19.939 | .174 | .040 |
| 99 | 19.939 | .174 | .023 |
| 36 | 19.651 | .186 | .028 |
| 76 | 19.651 | .186 | .016 |
| 37 | 19.626 | .187 | .009 |
| 77 | 19.626 | .187 | .005 |
| 7 | 19.395 | .196 | .005 |
| 47 | 19.395 | .196 | .003 |
| 87 | 19.395 | .196 | .001 |
| 17 | 19.183 | .206 | .001 |
| 57 | 19.183 | .206 | .001 |
| 97 | 19.183 | .206 | .000 |
| 33 | 18.496 | .237 | .003 |
| 73 | 18.496 | .237 | .001 |
| 3 | 18.034 | .261 | .004 |
| 43 | 18.034 | .261 | .002 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|-------|
| 83 | 18.034 | .261 | .001 |
| 22 | 16.357 | .359 | .137 |
| 62 | 16.357 | .359 | .098 |
| 9 | 16.265 | .365 | .085 |
| 49 | 16.265 | .365 | .058 |
| 89 | 16.265 | .365 | .038 |
| 40 | 15.845 | .392 | .082 |
| 80 | 15.845 | .392 | .055 |
| 23 | 15.631 | .407 | .068 |
| 63 | 15.631 | .407 | .045 |
| 32 | 15.623 | .408 | .030 |
| 72 | 15.623 | .408 | .019 |
| 10 | 15.182 | .438 | .050 |
| 50 | 15.182 | .438 | .033 |
| 90 | 15.182 | .438 | .021 |
| 5 | 13.556 | .559 | .581 |
| 45 | 13.556 | .559 | .502 |
| 85 | 13.556 | .559 | .422 |
| 12 | 13.082 | .596 | .636 |
| 52 | 13.082 | .596 | .558 |
| 92 | 13.082 | .596 | .478 |
| 11 | 12.494 | .641 | .753 |
| 51 | 12.494 | .641 | .684 |
| 91 | 12.494 | .641 | .608 |
| 2 | 12.098 | .672 | .762 |
| 42 | 12.098 | .672 | .692 |
| 82 | 12.098 | .672 | .615 |
| 16 | 11.578 | .711 | .826 |
| 56 | 11.578 | .711 | .766 |
| 96 | 11.578 | .711 | .695 |
| 29 | 10.540 | .784 | .980 |
| 69 | 10.540 | .784 | .966 |
| 30 | 10.080 | .815 | .992 |
| 70 | 10.080 | .815 | .985 |
| 15 | 10.051 | .816 | .976 |
| 55 | 10.051 | .816 | .959 |
| 95 | 10.051 | .816 | .934 |
| 4 | 9.664 | .840 | .973 |
| 44 | 9.664 | .840 | .954 |
| 84 | 9.664 | .840 | .924 |
| 20 | 7.908 | .927 | 1.000 |
| 60 | 7.908 | .927 | 1.000 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|-------|-------|
| 100 | 7.908 | .927 | 1.000 |
| 8 | 7.591 | .939 | 1.000 |
| 14 | 7.591 | .939 | 1.000 |
| 48 | 7.591 | .939 | 1.000 |
| 54 | 7.591 | .939 | .999 |
| 88 | 7.591 | .939 | .997 |
| 94 | 7.591 | .939 | .992 |
| 21 | 7.055 | .956 | .998 |
| 61 | 7.055 | .956 | .995 |
| 101 | 7.055 | .956 | .987 |
| 1 | 1.230 | 1.000 | 1.000 |
| 13 | 1.230 | 1.000 | 1.000 |
| 18 | 1.230 | 1.000 | 1.000 |
| 41 | 1.230 | 1.000 | 1.000 |
| 53 | 1.230 | 1.000 | 1.000 |
| 58 | 1.230 | 1.000 | 1.000 |
| 81 | 1.230 | 1.000 | 1.000 |
| 93 | 1.230 | 1.000 | 1.000 |

The following covariance matrix is not positive definite (Group number 1 - Default model)

| | e18 | e16 | e17 | e15 | e14 | e12 | e11 | e8 | e7 | e6 | e5 | e4 | e3 | e2 | e1 |
|----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|
| e1 | .26 | | | | | | | | | | | | | | |
| 8 | 2 | | | | | | | | | | | | | | |
| e1 | .00 | .025 | | | | | | | | | | | | | |
| 6 | 0 | | | | | | | | | | | | | | |
| e1 | .00 | .000 | .020 | | | | | | | | | | | | |
| 7 | 0 | | | | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .24 | | | | | | | | | | | |
| 5 | 0 | | | 0 | | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .00 | .14 | | | | | | | | | | |
| 4 | 0 | | | 0 | 8 | | | | | | | | | | |
| e1 | .00 | .000 | .000 | .06 | .00 | .17 | | | | | | | | | |
| 2 | 0 | | | 1 | 0 | 6 | | | | | | | | | |
| e1 | .00 | - | .000 | .00 | .00 | .00 | .11 | | | | | | | | |
| 1 | 0 | .044 | | 0 | 0 | 0 | 6 | | | | | | | | |
| e8 | .00 | .000 | .000 | .00 | .00 | .00 | .00 | .14 | | | | | | | |
| 0 | | | | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| e7 | .08 | .000 | - | .00 | .00 | .00 | .00 | .00 | .165 | | | | | | |
| 1 | | | .057 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| e6 | .12 | .000 | .000 | .09 | .00 | .00 | .00 | .00 | .000 | .21 | | | | | |
| 5 | | | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| e5 | .06 | .000 | .000 | .00 | .06 | .00 | .00 | .00 | .000 | .00 | .13 | | | | |
| 2 | | | | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 3 | | | | |
| e4 | .00 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | - | .00 | .04 | .16 | | | |
| 0 | | | | 0 | 0 | 0 | 0 | 0 | .031 | 0 | 1 | 1 | | | |
| e3 | .00 | .000 | .000 | .00 | .00 | .00 | .04 | .00 | .000 | .00 | .00 | .10 | .143 | | |
| 0 | | | | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | | | |
| e2 | .00 | - | .000 | .11 | .06 | .05 | .00 | .00 | .000 | .00 | .00 | .00 | .000 | .12 | |
| 0 | | .031 | | 1 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | .000 | 4 | |
| e1 | .00 | .000 | .000 | .00 | .00 | .08 | .00 | .05 | .000 | .00 | .00 | .00 | - | .00 | .17 |

| | | | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|------|----|----|
| | e18 | e16 | e17 | e15 | e14 | e12 | e11 | e8 | e7 | e6 | e5 | e4 | e3 | e2 | e1 |
| | 0 | | | 0 | 0 | 5 | 0 | 7 | | 0 | 0 | 0 | .036 | 0 | 5 |

Estimates (Group number 1 - Default model)

Scalar Estimates (Group number 1 - Default model)

Maximum Likelihood Estimates

Regression Weights: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|------------|----------|------|--------|------|-------|
| F3 <--- F1 | .685 | .113 | 6.044 | *** | |
| F2 <--- F1 | .279 | .071 | 3.936 | *** | |
| F2 <--- F3 | .510 | .074 | 6.865 | *** | |
| F4 <--- F2 | .929 | .224 | 4.140 | *** | |
| F4 <--- F3 | .103 | .104 | .992 | .321 | |
| F4 <--- F1 | .002 | .089 | .017 | .986 | |
| x6 <--- F1 | 1.000 | | | | |
| x5 <--- F1 | .947 | .102 | 9.264 | *** | |
| x4 <--- F1 | .877 | .111 | 7.893 | *** | |
| x3 <--- F1 | .790 | .102 | 7.744 | *** | |
| x2 <--- F1 | .946 | .103 | 9.211 | *** | |
| x1 <--- F1 | .982 | .116 | 8.496 | *** | |
| y4 <--- F2 | 1.000 | | | | |
| y5 <--- F2 | 1.291 | .152 | 8.473 | *** | |
| y6 <--- F2 | 1.386 | .151 | 9.157 | *** | |
| y3 <--- F3 | 1.000 | | | | |
| y2 <--- F3 | .935 | .068 | 13.670 | *** | |
| y1 <--- F3 | .673 | .070 | 9.661 | *** | |
| y7 <--- F4 | 1.000 | | | | |
| y8 <--- F4 | .886 | .114 | 7.753 | *** | |
| y9 <--- F4 | 1.076 | .140 | 7.680 | *** | |

Standardized Regression Weights: (Group number 1 - Default model)

| | Estimate |
|------------|----------|
| F3 <--- F1 | .577 |
| F2 <--- F1 | .326 |
| F2 <--- F3 | .709 |
| F4 <--- F2 | .841 |
| F4 <--- F3 | .129 |
| F4 <--- F1 | .002 |
| x6 <--- F1 | .784 |

| | Estimate |
|------------|----------|
| x5 <--- F1 | .817 |
| x4 <--- F1 | .774 |
| x3 <--- F1 | .721 |
| x2 <--- F1 | .808 |
| x1 <--- F1 | .749 |
| y4 <--- F2 | .671 |
| y5 <--- F2 | .840 |
| y6 <--- F2 | .909 |
| y3 <--- F3 | .936 |
| y2 <--- F3 | .864 |
| y1 <--- F3 | .709 |
| y7 <--- F4 | .768 |
| y8 <--- F4 | .754 |
| y9 <--- F4 | .738 |

Covariances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|--------------|----------|------|--------|------|-------|
| e6 <--> e18 | .125 | .026 | 4.744 | *** | |
| e3 <--> e4 | .105 | .019 | 5.462 | *** | |
| e6 <--> e15 | .095 | .020 | 4.694 | *** | |
| e2 <--> e12 | .056 | .016 | 3.455 | *** | |
| e4 <--> e5 | .041 | .011 | 3.837 | *** | |
| e3 <--> e11 | .042 | .012 | 3.569 | *** | |
| e11 <--> e16 | -.044 | .011 | -4.043 | *** | |
| e5 <--> e14 | .068 | .017 | 3.928 | *** | |
| e9 <--> e13 | .035 | .017 | 2.068 | .039 | |
| e1 <--> e12 | .085 | .019 | 4.418 | *** | |
| e1 <--> e8 | .057 | .019 | 3.100 | .002 | |
| e2 <--> e15 | .111 | .020 | 5.590 | *** | |
| e5 <--> e18 | .062 | .017 | 3.581 | *** | |
| e7 <--> e17 | -.057 | .012 | -4.655 | *** | |
| e12 <--> e15 | .061 | .021 | 2.912 | .004 | |
| e1 <--> e3 | -.036 | .011 | -3.361 | *** | |
| e2 <--> e14 | .064 | .016 | 3.887 | *** | |
| e7 <--> e18 | .081 | .020 | 4.015 | *** | |
| e4 <--> e7 | -.031 | .010 | -3.084 | .002 | |
| e2 <--> e16 | -.031 | .010 | -3.194 | .001 | |

Correlations: (Group number 1 - Default model)

| | Estimate |
|--------------|----------|
| e6 <--> e18 | .535 |
| e3 <--> e4 | .689 |
| e6 <--> e15 | .424 |
| e2 <--> e12 | .382 |
| e4 <--> e5 | .282 |
| e3 <--> e11 | .323 |
| e11 <--> e16 | -.819 |
| e5 <--> e14 | .484 |
| e9 <--> e13 | .293 |
| e1 <--> e12 | .484 |
| e1 <--> e8 | .366 |
| e2 <--> e15 | .644 |
| e5 <--> e18 | .334 |
| e7 <--> e17 | -1.006 |
| e12 <--> e15 | .297 |
| e1 <--> e3 | -.230 |
| e2 <--> e14 | .473 |
| e7 <--> e18 | .391 |
| e4 <--> e7 | -.191 |
| e2 <--> e16 | -.546 |

Variances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|-----|----------|------|-------|------|-------|
| F1 | .278 | .058 | 4.808 | *** | |
| e18 | .262 | .043 | 6.100 | *** | |
| e16 | .025 | .009 | 2.691 | .007 | |
| e17 | .020 | .012 | 1.704 | .088 | |
| e1 | .175 | .028 | 6.180 | *** | |
| e2 | .124 | .021 | 5.850 | *** | |
| e3 | .143 | .023 | 6.263 | *** | |
| e4 | .161 | .021 | 7.747 | *** | |
| e5 | .133 | .023 | 5.866 | *** | |
| e6 | .210 | .032 | 6.490 | *** | |
| e7 | .165 | .027 | 6.050 | *** | |
| e8 | .141 | .022 | 6.310 | *** | |
| e9 | .082 | .015 | 5.297 | *** | |
| e10 | .055 | .012 | 4.551 | *** | |
| e11 | .116 | .022 | 5.414 | *** | |

| | Estimate | S.E. | C.R. | P | Label |
|-----|----------|------|-------|-----|-------|
| e12 | .176 | .024 | 7.347 | *** | |
| e13 | .173 | .029 | 6.013 | *** | |
| e14 | .148 | .026 | 5.669 | *** | |
| e15 | .240 | .036 | 6.691 | *** | |

Matrices (Group number 1 - Default model)

Total Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|-------|-------|-------|-------|
| F3 | .685 | .000 | .000 | .000 |
| F2 | .628 | .510 | .000 | .000 |
| F4 | .656 | .577 | .929 | .000 |
| y9 | .705 | .621 | 1.000 | 1.076 |
| y8 | .581 | .511 | .823 | .886 |
| y7 | .656 | .577 | .929 | 1.000 |
| y1 | .461 | .673 | .000 | .000 |
| y2 | .640 | .935 | .000 | .000 |
| y3 | .685 | 1.000 | .000 | .000 |
| y6 | .870 | .707 | 1.386 | .000 |
| y5 | .811 | .658 | 1.291 | .000 |
| y4 | .628 | .510 | 1.000 | .000 |
| x1 | .982 | .000 | .000 | .000 |
| x2 | .946 | .000 | .000 | .000 |
| x3 | .790 | .000 | .000 | .000 |
| x4 | .877 | .000 | .000 | .000 |
| x5 | .947 | .000 | .000 | .000 |
| x6 | 1.000 | .000 | .000 | .000 |

Standardized Total Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| F3 | .577 | .000 | .000 | .000 |
| F2 | .735 | .709 | .000 | .000 |
| F4 | .694 | .725 | .841 | .000 |
| y9 | .512 | .535 | .621 | .738 |
| y8 | .524 | .547 | .634 | .754 |
| y7 | .533 | .557 | .645 | .768 |
| y1 | .409 | .709 | .000 | .000 |
| y2 | .498 | .864 | .000 | .000 |
| y3 | .540 | .936 | .000 | .000 |
| y6 | .668 | .644 | .909 | .000 |
| y5 | .618 | .595 | .840 | .000 |

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| y4 | .493 | .476 | .671 | .000 |
| x1 | .749 | .000 | .000 | .000 |
| x2 | .808 | .000 | .000 | .000 |
| x3 | .721 | .000 | .000 | .000 |
| x4 | .774 | .000 | .000 | .000 |
| x5 | .817 | .000 | .000 | .000 |
| x6 | .784 | .000 | .000 | .000 |

Direct Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|-------|-------|-------|-------|
| F3 | .685 | .000 | .000 | .000 |
| F2 | .279 | .510 | .000 | .000 |
| F4 | .002 | .103 | .929 | .000 |
| y9 | .000 | .000 | .000 | 1.076 |
| y8 | .000 | .000 | .000 | .886 |
| y7 | .000 | .000 | .000 | 1.000 |
| y1 | .000 | .673 | .000 | .000 |
| y2 | .000 | .935 | .000 | .000 |
| y3 | .000 | 1.000 | .000 | .000 |
| y6 | .000 | .000 | 1.386 | .000 |
| y5 | .000 | .000 | 1.291 | .000 |
| y4 | .000 | .000 | 1.000 | .000 |
| x1 | .982 | .000 | .000 | .000 |
| x2 | .946 | .000 | .000 | .000 |
| x3 | .790 | .000 | .000 | .000 |
| x4 | .877 | .000 | .000 | .000 |
| x5 | .947 | .000 | .000 | .000 |
| x6 | 1.000 | .000 | .000 | .000 |

Standardized Direct Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| F3 | .577 | .000 | .000 | .000 |
| F2 | .326 | .709 | .000 | .000 |
| F4 | .002 | .129 | .841 | .000 |
| y9 | .000 | .000 | .000 | .738 |
| y8 | .000 | .000 | .000 | .754 |
| y7 | .000 | .000 | .000 | .768 |
| y1 | .000 | .709 | .000 | .000 |
| y2 | .000 | .864 | .000 | .000 |
| y3 | .000 | .936 | .000 | .000 |

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| y6 | .000 | .000 | .909 | .000 |
| y5 | .000 | .000 | .840 | .000 |
| y4 | .000 | .000 | .671 | .000 |
| x1 | .749 | .000 | .000 | .000 |
| x2 | .808 | .000 | .000 | .000 |
| x3 | .721 | .000 | .000 | .000 |
| x4 | .774 | .000 | .000 | .000 |
| x5 | .817 | .000 | .000 | .000 |
| x6 | .784 | .000 | .000 | .000 |

Indirect Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|------|------|-------|------|
| F3 | .000 | .000 | .000 | .000 |
| F2 | .349 | .000 | .000 | .000 |
| F4 | .654 | .474 | .000 | .000 |
| y9 | .705 | .621 | 1.000 | .000 |
| y8 | .581 | .511 | .823 | .000 |
| y7 | .656 | .577 | .929 | .000 |
| y1 | .461 | .000 | .000 | .000 |
| y2 | .640 | .000 | .000 | .000 |
| y3 | .685 | .000 | .000 | .000 |
| y6 | .870 | .707 | .000 | .000 |
| y5 | .811 | .658 | .000 | .000 |
| y4 | .628 | .510 | .000 | .000 |
| x1 | .000 | .000 | .000 | .000 |
| x2 | .000 | .000 | .000 | .000 |
| x3 | .000 | .000 | .000 | .000 |
| x4 | .000 | .000 | .000 | .000 |
| x5 | .000 | .000 | .000 | .000 |
| x6 | .000 | .000 | .000 | .000 |

Standardized Indirect Effects (Group number 1 - Default model)

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| F3 | .000 | .000 | .000 | .000 |
| F2 | .409 | .000 | .000 | .000 |
| F4 | .692 | .596 | .000 | .000 |
| y9 | .512 | .535 | .621 | .000 |
| y8 | .524 | .547 | .634 | .000 |
| y7 | .533 | .557 | .645 | .000 |
| y1 | .409 | .000 | .000 | .000 |

| | F1 | F3 | F2 | F4 |
|----|------|------|------|------|
| y2 | .498 | .000 | .000 | .000 |
| y3 | .540 | .000 | .000 | .000 |
| y6 | .668 | .644 | .000 | .000 |
| y5 | .618 | .595 | .000 | .000 |
| y4 | .493 | .476 | .000 | .000 |
| x1 | .000 | .000 | .000 | .000 |
| x2 | .000 | .000 | .000 | .000 |
| x3 | .000 | .000 | .000 | .000 |
| x4 | .000 | .000 | .000 | .000 |
| x5 | .000 | .000 | .000 | .000 |
| x6 | .000 | .000 | .000 | .000 |

Model Fit Summary

CMIN

| Model | NPAR | CMIN | DF | P | CMIN/DF |
|--------------------|------|----------|-----|------|---------|
| Default model | 56 | 115.972 | 64 | .000 | 1.812 |
| Saturated model | 120 | .000 | 0 | | |
| Independence model | 15 | 1540.679 | 105 | .000 | 14.673 |

RMR, GFI

| Model | RMR | GFI | AGFI | PGFI |
|--------------------|------|-------|------|------|
| Default model | .023 | .976 | .976 | .467 |
| Saturated model | .000 | 1.000 | | |
| Independence model | .222 | .190 | .074 | .166 |

Baseline Comparisons

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
|--------------------|---------------|-------------|---------------|-------------|-------|
| Default model | .925 | .877 | .965 | .941 | .964 |
| Saturated model | 1.000 | | 1.000 | | 1.000 |
| Independence model | .000 | .000 | .000 | .000 | .000 |

Parsimony-Adjusted Measures

| Model | PRATIO | PNFI | PCFI |
|--------------------|--------|------|------|
| Default model | .610 | .564 | .587 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

NCP

| Model | NCP | LO 90 | HI 90 |
|--------------------|----------|----------|----------|
| Default model | 51.972 | 25.674 | 86.106 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1435.679 | 1312.428 | 1566.328 |

FMIN

| Model | FMIN | F0 | LO 90 | HI 90 |
|--------------------|--------|--------|--------|--------|
| Default model | 1.160 | .520 | .257 | .861 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 15.407 | 14.357 | 13.124 | 15.663 |

RMSEA

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
|--------------------|-------|-------|-------|--------|
| Default model | .009 | .063 | .116 | .009 |
| Independence model | .370 | .354 | .386 | .000 |

AIC

| Model | AIC | BCC | BIC | CAIC |
|--------------------|----------|----------|----------|----------|
| Default model | 227.972 | 249.305 | 374.419 | 430.419 |
| Saturated model | 240.000 | 285.714 | 553.814 | 673.814 |
| Independence model | 1570.679 | 1576.393 | 1609.905 | 1624.905 |

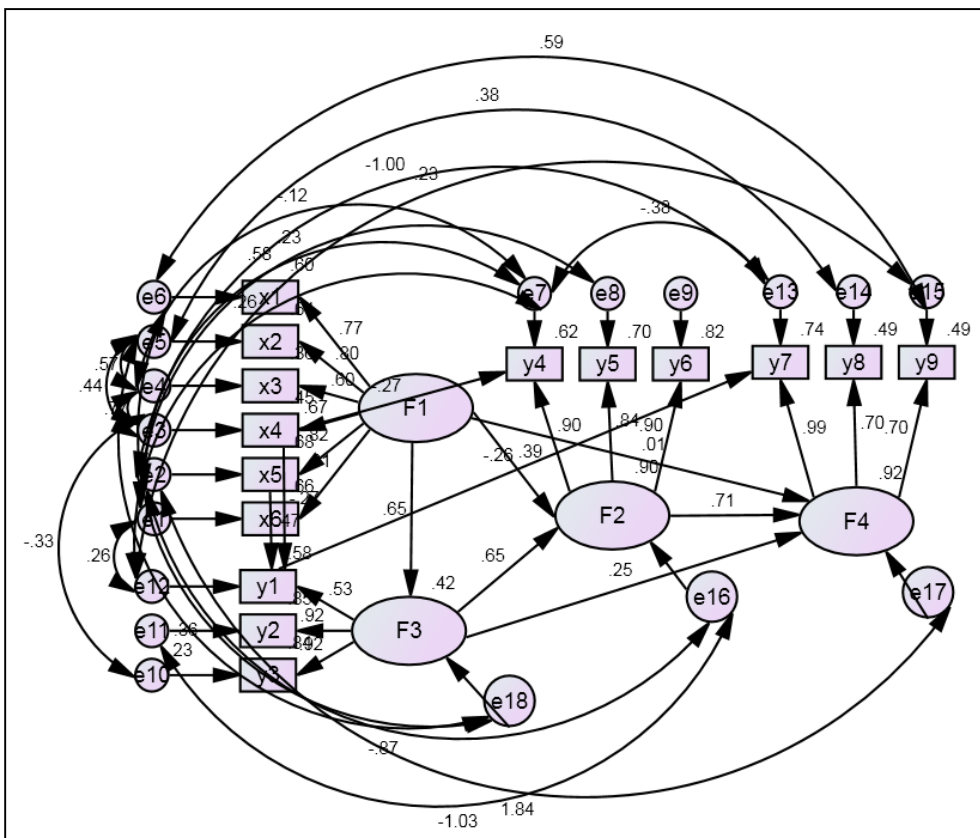
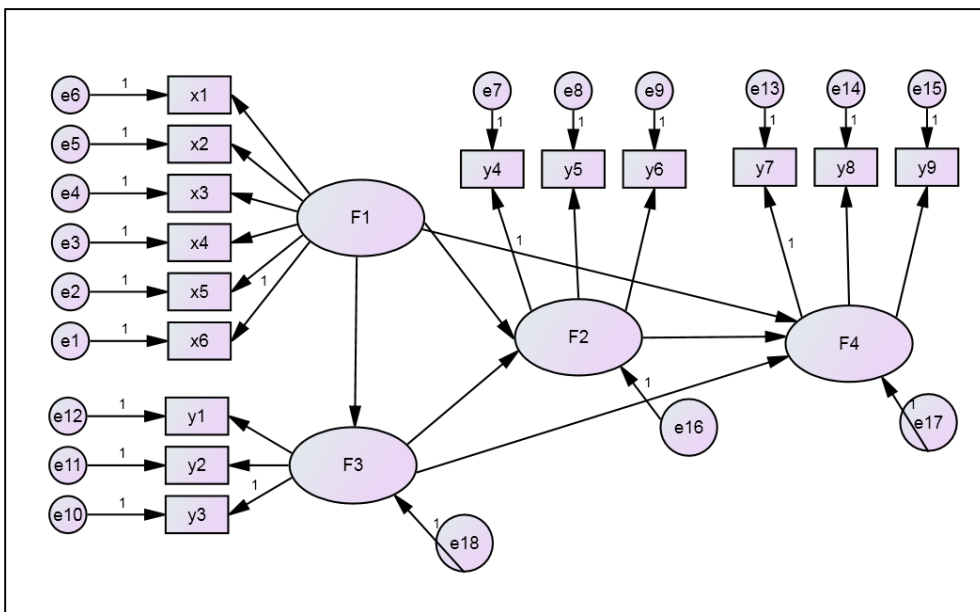
ECVI

| Model | ECVI | LO 90 | HI 90 | MECVI |
|--------------------|--------|--------|--------|--------|
| Default model | 2.280 | 2.017 | 2.621 | 2.493 |
| Saturated model | 2.400 | 2.400 | 2.400 | 2.857 |
| Independence model | 15.707 | 14.474 | 17.013 | 15.764 |

HOELTER

| Model | HOELTER .05 | HOELTER .01 |
|--------------------|----------------|----------------|
| Default model | 73 | 81 |
| Independence model | 9 | 10 |

3. การวิเคราะห์โมเดลสมการโครงสร้าง (Structural Equation Modeling: SEM) ของ
โรงพยาบาลเอกชนขนาดกลางกับขนาดใหญ่



Date and Time

Date: Tuesday, September 22, 2015

Time: 05:42:36 PM

Parameter Summary (Group number 1)

| | Weights | Covariances | Variances | Means | Intercepts | Total |
|-----------|---------|-------------|-----------|-------|------------|-------|
| Fixed | 22 | 0 | 0 | 0 | 0 | 22 |
| Labeled | 0 | 0 | 0 | 0 | 0 | 0 |
| Unlabeled | 21 | 19 | 19 | 0 | 0 | 59 |
| Total | 43 | 19 | 19 | 0 | 0 | 81 |

Assessment of normality (Group number 1)

| Variable | min | max | skew | c.r. | kurtosis | c.r. |
|--------------|-------|-------|-------|--------|----------|--------|
| x4 | 3.000 | 5.000 | .183 | .747 | -.563 | -1.150 |
| x5 | 3.000 | 5.000 | -.088 | -.361 | -.854 | -1.744 |
| y1 | 3.000 | 5.000 | .012 | .047 | -.777 | -1.587 |
| y9 | 2.000 | 5.000 | -.280 | -1.145 | -.329 | -.671 |
| y8 | 3.000 | 5.000 | .007 | .029 | -.438 | -.894 |
| y7 | 2.000 | 5.000 | .076 | .312 | -.271 | -.554 |
| y2 | 3.000 | 5.000 | .220 | .900 | -.701 | -1.430 |
| y3 | 3.000 | 5.000 | .459 | 1.874 | -.751 | -1.532 |
| y6 | 2.000 | 5.000 | .113 | .461 | -.332 | -.678 |
| y5 | 3.000 | 5.000 | .186 | .761 | -.971 | -1.983 |
| y4 | 3.000 | 5.000 | .274 | 1.118 | -.684 | -1.397 |
| x1 | 3.000 | 5.000 | .101 | .414 | -1.019 | -2.081 |
| x2 | 3.000 | 5.000 | .265 | 1.082 | -.635 | -1.297 |
| x3 | 3.000 | 5.000 | .116 | .474 | -.520 | -1.062 |
| x6 | 2.000 | 5.000 | -.393 | -1.605 | .001 | .002 |
| Multivariate | | | | | 12.510 | 2.770 |

Observations farthest from the centroid (Mahalanobis distance) (Group number 1)

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 25 | 29.728 | .013 | .728 |
| 65 | 29.728 | .013 | .372 |
| 36 | 24.508 | .057 | .929 |
| 76 | 24.508 | .057 | .828 |
| 38 | 24.343 | .059 | .716 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 78 | 24.343 | .059 | .551 |
| 26 | 23.730 | .070 | .553 |
| 66 | 23.730 | .070 | .398 |
| 6 | 22.032 | .107 | .755 |
| 46 | 22.032 | .107 | .637 |
| 86 | 22.032 | .107 | .508 |
| 22 | 21.714 | .116 | .491 |
| 62 | 21.714 | .116 | .370 |
| 4 | 21.302 | .127 | .397 |
| 44 | 21.302 | .127 | .290 |
| 84 | 21.302 | .127 | .201 |
| 28 | 20.894 | .140 | .233 |
| 68 | 20.894 | .140 | .158 |
| 17 | 20.358 | .159 | .231 |
| 57 | 20.358 | .159 | .159 |
| 97 | 20.358 | .159 | .105 |
| 10 | 20.211 | .164 | .088 |
| 50 | 20.211 | .164 | .054 |
| 90 | 20.211 | .164 | .032 |
| 5 | 18.969 | .215 | .230 |
| 45 | 18.969 | .215 | .165 |
| 85 | 18.969 | .215 | .114 |
| 18 | 18.705 | .227 | .129 |
| 58 | 18.705 | .227 | .087 |
| 98 | 18.705 | .227 | .057 |
| 14 | 18.189 | .253 | .116 |
| 54 | 18.189 | .253 | .079 |
| 94 | 18.189 | .253 | .051 |
| 3 | 17.612 | .284 | .128 |
| 43 | 17.612 | .284 | .088 |
| 83 | 17.612 | .284 | .059 |
| 13 | 17.182 | .308 | .110 |
| 53 | 17.182 | .308 | .075 |
| 93 | 17.182 | .308 | .050 |
| 29 | 16.717 | .336 | .107 |
| 69 | 16.717 | .336 | .074 |
| 7 | 16.250 | .366 | .153 |
| 47 | 16.250 | .366 | .110 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|------|------|
| 87 | 16.250 | .366 | .076 |
| 16 | 16.188 | .370 | .061 |
| 56 | 16.188 | .370 | .040 |
| 96 | 16.188 | .370 | .025 |
| 12 | 15.431 | .421 | .136 |
| 52 | 15.431 | .421 | .097 |
| 92 | 15.431 | .421 | .067 |
| 15 | 15.349 | .427 | .057 |
| 55 | 15.349 | .427 | .038 |
| 95 | 15.349 | .427 | .024 |
| 24 | 15.116 | .443 | .033 |
| 64 | 15.116 | .443 | .020 |
| 31 | 14.200 | .510 | .186 |
| 71 | 14.200 | .510 | .137 |
| 30 | 14.063 | .521 | .139 |
| 70 | 14.063 | .521 | .099 |
| 21 | 13.591 | .557 | .221 |
| 61 | 13.591 | .557 | .166 |
| 1 | 12.993 | .603 | .404 |
| 41 | 12.993 | .603 | .327 |
| 81 | 12.993 | .603 | .257 |
| 2 | 12.648 | .629 | .377 |
| 42 | 12.648 | .629 | .301 |
| 82 | 12.648 | .629 | .232 |
| 19 | 12.525 | .639 | .228 |
| 59 | 12.525 | .639 | .169 |
| 99 | 12.525 | .639 | .121 |
| 35 | 12.147 | .668 | .217 |
| 75 | 12.147 | .668 | .158 |
| 23 | 11.671 | .704 | .325 |
| 63 | 11.671 | .704 | .249 |
| 34 | 11.448 | .720 | .295 |
| 74 | 11.448 | .720 | .221 |
| 11 | 11.042 | .750 | .367 |
| 51 | 11.042 | .750 | .283 |
| 91 | 11.042 | .750 | .209 |
| 27 | 9.635 | .842 | .899 |
| 33 | 9.635 | .842 | .845 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|--------------------|-----------------------|-------|-------|
| 67 | 9.635 | .842 | .775 |
| 73 | 9.635 | .842 | .689 |
| 8 | 9.527 | .848 | .656 |
| 48 | 9.527 | .848 | .551 |
| 88 | 9.527 | .848 | .440 |
| 9 | 8.707 | .892 | .814 |
| 49 | 8.707 | .892 | .722 |
| 89 | 8.707 | .892 | .609 |
| 39 | 7.277 | .950 | .988 |
| 79 | 7.277 | .950 | .970 |
| 40 | 7.078 | .955 | .965 |
| 80 | 7.078 | .955 | .922 |
| 20 | 1.336 | 1.000 | 1.000 |
| 32 | 1.336 | 1.000 | 1.000 |
| 37 | 1.336 | 1.000 | 1.000 |
| 60 | 1.336 | 1.000 | 1.000 |
| 72 | 1.336 | 1.000 | 1.000 |
| 77 | 1.336 | 1.000 | 1.000 |
| 100 | 1.336 | 1.000 | 1.000 |

Sample Moments (Group number 1)

Sample Covariances (Group number 1)

| | x4 | x5 | y1 | y9 | y8 | y7 | y2 | y3 | y6 | y5 | y4 | x1 | x2 | x3 | x6 |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|
| x4 | .377 | | | | | | | | | | | | | | |
| x5 | .256 | .465 | | | | | | | | | | | | | |
| y1 | .078 | .261 | .450 | | | | | | | | | | | | |
| y9 | .132 | .316 | .319 | .574 | | | | | | | | | | | |
| y8 | .140 | .208 | .187 | .239 | .312 | | | | | | | | | | |
| y7 | .146 | .129 | .136 | .237 | .213 | .442 | | | | | | | | | |
| y2 | .164 | .224 | .278 | .274 | .168 | .248 | .420 | | | | | | | | |
| y3 | .106 | .172 | .277 | .304 | .197 | .299 | .356 | .438 | | | | | | | |
| y6 | .193 | .197 | .216 | .280 | .251 | .344 | .284 | .348 | .476 | | | | | | |
| y5 | .150 | .169 | .209 | .300 | .206 | .317 | .274 | .348 | .361 | .493 | | | | | |
| y4 | .083 | .177 | .258 | .230 | .155 | .198 | .230 | .290 | .305 | .288 | .408 | | | | |
| x1 | .214 | .315 | .219 | .404 | .202 | .241 | .296 | .298 | .303 | .321 | .223 | .505 | | | |
| x2 | .276 | .260 | .177 | .208 | .227 | .235 | .214 | .220 | .274 | .254 | .150 | .260 | .382 | | |

x4 x5 y1 y9 y8 y7 y2 y3 y6 y5 y4 x1 x2 x3 x6
 x3 .308 .199 .067 .128 .120 .129 .126 .114 .167 .145 .043 .201 .274 .337
 x6 .211 .343 .290 .297 .210 .234 .272 .267 .305 .325 .210 .347 .319 .199 .538
 Condition number = 168.623
 Eigenvalues
 3.782 .730 .536 .306 .239 .235 .205 .146 .104 .096 .072 .060 .045 .037 .022
 Determinant of sample covariance matrix = .000

Sample Correlations (Group number 1)

x4 x5 y1 y9 y8 y7 y2 y3 y6 y5 y4 x1 x2 x3 x6
 x4 1.000
 x5 .612 1.000
 y1 .189 .570 1.000
 y9 .283 .611 .628 1.000
 y8 .408 .546 .500 .565 1.000
 y7 .357 .284 .305 .471 .574 1.000
 y2 .412 .507 .640 .558 .464 .576 1.000
 y3 .262 .382 .624 .608 .532 .679 .830 1.000
 y6 .455 .418 .467 .535 .652 .751 .635 .764 1.000
 y5 .348 .353 .443 .563 .525 .678 .602 .750 .745 1.000
 y4 .210 .408 .601 .476 .434 .465 .556 .687 .693 .641 1.000
 x1 .490 .650 .460 .751 .508 .511 .643 .633 .619 .643 .490 1.000
 x2 .727 .616 .428 .444 .658 .573 .535 .539 .642 .585 .380 .593 1.000
 x3 .864 .502 .173 .292 .369 .335 .335 .296 .418 .355 .115 .487 .765 1.000
 x6 .468 .685 .588 .534 .511 .479 .572 .550 .602 .630 .448 .666 .703 .468 1.000
 Condition number = 145.983
 Eigenvalues
 8.435 1.857 1.145 .650 .617 .499 .465 .330 .250 .203 .169 .132 .106 .085 .058

Scalar Estimates (Group number 1 - Default model)

Maximum Likelihood Estimates

Regression Weights: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|------------|----------|------|-------|-----|--------|
| F3 <--- F1 | .664 | .103 | 6.472 | *** | par_14 |
| x5 <--- F1 | .928 | .100 | 9.240 | *** | par_1 |
| x4 <--- F1 | .673 | .093 | 7.218 | *** | par_2 |
| F2 <--- F1 | .380 | .099 | 3.842 | *** | par_12 |
| F2 <--- F3 | .626 | .100 | 6.256 | *** | par_15 |
| y1 <--- F3 | .570 | .085 | 6.750 | *** | par_9 |

| | Estimate | S.E. | C.R. | P | Label |
|------------|----------|------|--------|------|--------|
| F4 <--- F2 | .790 | .232 | 3.403 | *** | par_13 |
| F4 <--- F3 | .272 | .157 | 1.734 | .083 | par_16 |
| F4 <--- F1 | .013 | .142 | .091 | .928 | par_17 |
| y1 <--- x5 | .457 | .083 | 5.504 | *** | par_33 |
| y1 <--- x4 | -.293 | .087 | -3.366 | *** | par_39 |
| x6 <--- F1 | 1.000 | | | | |
| x3 <--- F1 | .582 | .091 | 6.402 | *** | par_3 |
| x2 <--- F1 | .819 | .087 | 9.364 | *** | par_4 |
| x1 <--- F1 | .914 | .103 | 8.847 | *** | par_5 |
| y4 <--- F2 | 1.000 | | | | |
| y5 <--- F2 | .986 | .104 | 9.485 | *** | par_6 |
| y6 <--- F2 | 1.050 | .100 | 10.550 | *** | par_7 |
| y3 <--- F3 | 1.000 | | | | |
| y2 <--- F3 | .977 | .069 | 14.144 | *** | par_8 |
| y7 <--- F4 | 1.000 | | | | |
| y8 <--- F4 | .608 | .081 | 7.498 | *** | par_10 |
| y9 <--- F4 | .836 | .109 | 7.651 | *** | par_11 |
| y4 <--- x4 | -.295 | .079 | -3.739 | *** | par_38 |
| y7 <--- y1 | -.262 | .085 | -3.069 | .002 | par_40 |

Standardized Regression Weights: (Group number 1 - Default model)

| | Estimate |
|------------|----------|
| F3 <--- F1 | .651 |
| x5 <--- F1 | .824 |
| x4 <--- F1 | .667 |
| F2 <--- F1 | .388 |
| F2 <--- F3 | .651 |
| y1 <--- F3 | .529 |
| F4 <--- F2 | .712 |
| F4 <--- F3 | .255 |
| F4 <--- F1 | .012 |
| y1 <--- x5 | .469 |
| y1 <--- x4 | -.269 |
| x6 <--- F1 | .815 |
| x3 <--- F1 | .602 |
| x2 <--- F1 | .799 |

| | Estimate |
|------------|----------|
| x1 <--- F1 | .773 |
| y4 <--- F2 | .903 |
| y5 <--- F2 | .838 |
| y6 <--- F2 | .904 |
| y3 <--- F3 | .916 |
| y2 <--- F3 | .920 |
| y7 <--- F4 | .990 |
| y8 <--- F4 | .701 |
| y9 <--- F4 | .697 |
| y4 <--- x4 | -.274 |
| y7 <--- y1 | -.262 |

Covariances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|--------------|----------|------|--------|------|--------|
| e2 <--> e16 | -.061 | .015 | -4.217 | *** | par_32 |
| e17 <--> e2 | .132 | .029 | 4.587 | *** | par_29 |
| e4 <--> e3 | .161 | .026 | 6.094 | *** | par_18 |
| e6 <--> e15 | .148 | .027 | 5.449 | *** | par_19 |
| e15 <--> e12 | .056 | .023 | 2.469 | .014 | par_20 |
| e4 <--> e5 | .097 | .021 | 4.617 | *** | par_21 |
| e10 <--> e3 | -.040 | .010 | -4.049 | *** | par_22 |
| e13 <--> e2 | -.128 | .023 | -5.678 | *** | par_23 |
| e11 <--> e16 | -.048 | .013 | -3.834 | *** | par_24 |
| e7 <--> e12 | .044 | .017 | 2.565 | .010 | par_25 |
| e1 <--> e12 | .048 | .020 | 2.374 | .018 | par_26 |
| e5 <--> e14 | .056 | .013 | 4.206 | *** | par_27 |
| e1 <--> e8 | .038 | .020 | 1.894 | .058 | par_28 |
| e4 <--> e7 | -.022 | .010 | -2.254 | .024 | par_30 |
| e5 <--> e3 | .073 | .019 | 3.853 | *** | par_31 |
| e7 <--> e2 | .088 | .020 | 4.466 | *** | par_34 |
| e6 <--> e18 | .075 | .025 | 3.008 | .003 | par_35 |
| e7 <--> e13 | -.050 | .017 | -3.019 | .003 | par_36 |
| e5 <--> e18 | .039 | .016 | 2.430 | .015 | par_37 |

Correlations: (Group number 1 - Default model)

| | Estimate |
|--------------|----------|
| e2 <--> e16 | -.871 |
| e17 <--> e2 | 1.843 |
| e4 <--> e3 | .775 |
| e6 <--> e15 | .585 |
| e15 <--> e12 | .235 |
| e4 <--> e5 | .568 |
| e10 <--> e3 | -.327 |
| e13 <--> e2 | -1.000 |
| e11 <--> e16 | -1.032 |
| e7 <--> e12 | .255 |
| e1 <--> e12 | .262 |
| e5 <--> e14 | .378 |
| e1 <--> e8 | .233 |
| e4 <--> e7 | -.119 |
| e5 <--> e3 | .437 |
| e7 <--> e2 | .577 |
| e6 <--> e18 | .360 |
| e7 <--> e13 | -.377 |
| e5 <--> e18 | .226 |

Variances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|-----|----------|------|-------|------|--------|
| F1 | .360 | .074 | 4.831 | *** | par_41 |
| e18 | .215 | .043 | 5.012 | *** | par_42 |
| e2 | .147 | .028 | 5.217 | *** | par_43 |
| e3 | .203 | .028 | 7.237 | *** | par_44 |
| e16 | .034 | .014 | 2.477 | .013 | par_45 |
| e12 | .184 | .026 | 6.946 | *** | par_46 |
| e17 | .035 | .019 | 1.856 | .063 | par_47 |
| e1 | .182 | .032 | 5.764 | *** | par_48 |
| e4 | .214 | .031 | 6.815 | *** | par_49 |
| e5 | .137 | .022 | 6.191 | *** | par_50 |
| e6 | .202 | .031 | 6.428 | *** | par_51 |
| e7 | .160 | .026 | 6.171 | *** | par_52 |

| | Estimate | S.E. | C.R. | P | Label |
|-----|----------|------|-------|-----|--------|
| e8 | .142 | .023 | 6.281 | *** | par_53 |
| e9 | .086 | .016 | 5.311 | *** | par_54 |
| e10 | .072 | .018 | 4.092 | *** | par_55 |
| e11 | .065 | .018 | 3.682 | *** | par_56 |
| e13 | .112 | .026 | 4.309 | *** | par_57 |
| e14 | .163 | .024 | 6.899 | *** | par_58 |
| e15 | .315 | .045 | 7.010 | *** | par_59 |

Minimization History (Default model)

| Iteration | Negative eigenvalues | Condition # | Smallest eigenvalue | Diameter | F | NTries | Ratio |
|-----------|----------------------|-------------|---------------------|----------|----------|--------|----------|
| 0 e | 24 | | -1.233 | 9999.000 | 1449.108 | 0 | 9999.000 |
| 1 e* | 23 | | -2.058 | 2.338 | 841.166 | 20 | .529 |
| 2 e* | 17 | | -.943 | .314 | 723.211 | 7 | .931 |
| 3 e* | 11 | | -1.690 | .566 | 622.367 | 5 | .503 |
| 4 e | 5 | | -.438 | .714 | 431.398 | 9 | .959 |
| 5 e | 2 | | -.520 | .626 | 271.430 | 7 | .978 |
| 6 e | 2 | | -.221 | .398 | 176.222 | 4 | .949 |
| 7 e | 0 | 2465.362 | | .324 | 119.996 | 5 | .879 |
| 8 e | 0 | 1049.329 | | .770 | 87.697 | 2 | .000 |
| 9 e | 0 | 1095.751 | | .331 | 77.488 | 1 | 1.052 |
| 10 e | 0 | 1168.823 | | .082 | 76.899 | 1 | 1.007 |
| 11 e | 0 | 1209.883 | | .005 | 76.896 | 1 | 1.003 |
| 12 e | 0 | 1183.170 | | .000 | 76.896 | 1 | 1.000 |

Model Fit Summary

CMIN

| Model | NPAR | CMIN | DF | P | CMIN/DF |
|--------------------|------|----------|-----|------|---------|
| Default model | 59 | 76.896 | 61 | .082 | 1.261 |
| Saturated model | 120 | .000 | 0 | | |
| Independence model | 15 | 1478.843 | 105 | .000 | 14.084 |

RMR, GFI

| Model | RMR | GFI | AGFI | PGFI |
|---------------|------|------|------|------|
| Default model | .019 | .913 | .988 | .464 |

| Model | RMR | GFI | AGFI | PGFI |
|--------------------|------|-------|------|------|
| Saturated model | .000 | 1.000 | | |
| Independence model | .228 | .194 | .078 | .169 |

Baseline Comparisons

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
|--------------------|---------------|-------------|---------------|-------------|-------|
| Default model | .948 | .910 | .989 | .980 | .988 |
| Saturated model | 1.000 | | 1.000 | | 1.000 |
| Independence model | .000 | .000 | .000 | .000 | .000 |

Parsimony-Adjusted Measures

| Model | PRATIO | PNFI | PCFI |
|--------------------|--------|------|------|
| Default model | .581 | .551 | .574 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

NCP

| Model | NCP | LO 90 | HI 90 |
|--------------------|----------|----------|----------|
| Default model | 15.896 | .000 | 42.451 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1373.843 | 1253.261 | 1501.830 |

FMIN

| Model | FMIN | F0 | LO 90 | HI 90 |
|--------------------|--------|--------|--------|--------|
| Default model | .777 | .161 | .000 | .429 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 14.938 | 13.877 | 12.659 | 15.170 |

RMSEA

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
|--------------------|-------|-------|-------|--------|
| Default model | .051 | .000 | .084 | .454 |
| Independence model | .364 | .347 | .380 | .000 |

AIC

| Model | AIC | BCC | BIC | CAIC |
|-------|-----|-----|-----|------|
|-------|-----|-----|-----|------|

| Model | AIC | BCC | BIC | CAIC |
|--------------------|----------|----------|----------|----------|
| Default model | 194.896 | 217.643 | 348.601 | 407.601 |
| Saturated model | 240.000 | 286.265 | 552.620 | 672.620 |
| Independence model | 1508.843 | 1514.626 | 1547.921 | 1562.921 |

ECVI

| Model | ECVI | LO 90 | HI 90 | MECVI |
|--------------------|--------|--------|--------|--------|
| Default model | 1.969 | 1.808 | 2.237 | 2.198 |
| Saturated model | 2.424 | 2.424 | 2.424 | 2.892 |
| Independence model | 15.241 | 14.023 | 16.534 | 15.299 |

HOELTER

| Model | HOELTER | HOELTER |
|--------------------|---------|---------|
| | .05 | .01 |
| Default model | 104 | 116 |
| Independence model | 9 | 10 |