Questionnaire analysis

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | Question |
|  |  |  |  |  |  | Female/أنثى | Male/ذكر | Child's gender/جنس الطفل |
|  |  |  |  |  | Refugee camp/مخيم اللاجئين | Displaced within Lebanon/نازح داخل لبنان | Original home/المسكن الأصلي | Child's current residence/مكان إقامة الطفل الحالي |
| Bekaa/البقاع | Nabatieh/النبطية | North Lebanon/شمال لبنان | South Lebanon/جنوب لبنان | Beirut/بيروت | Baalbeck-Hermel/بعلبك-الهرمل | Akkar/عكار | Mount Lebanon/جبل لبنان | In which district do u live?/في أي قضاء تقيم |
|  |  |  |  | Other/غير ذلك | Part-time/مُوظَّف بدوام جزئي | Unemployed/لا يعمل | Employed/مُوظَّف | Parent/guardian’s occupation status before the war/**حالة الوالد/الوصي الوظيفية قبل الحرب** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Did your family experience displacement due to the war?/**هل تعرضت عائلتك للنزوح بسبب الحرب** |
|  |  | Yet displaced/ما زلنا نازحين | 5+/أكثر من خمسة أشهر | 4 | 3 | 2 | 1 or less/شهر أو أقل | If yes, how long was the child displaced till now by month?/**إذا كانت الإجابة نعم، كم كانت مدة نزوح الطفل حتى الآن بالأشهر** |
|  |  |  |  | Other/غير ذلك | Part-time/مُوظَّف بدوام جزئي | Unemployed/لا يعمل | Employed/مُوظَّف | Parent/guardian’s current employment status/**حالة الوالد/الوصي الوظيفية الحالية** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Did your child experience (heard, saw) bombings or explosions in the residence village/city?/**هل تعرض طفلك (سمع أو رأى) تفجيرات أو انفجارات في القرية/المدينة التي يقيم فيها** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Did your child lose a family member due to the war?/**هل فقد طفلك أحد أفراد العائلة بسبب الحرب** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Was your house destroyed due to war?/**هل تم تدمير منزلك بسبب الحرب** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Did your child get separated from parent/guardian? (for any reason other than death)/**هل انفصل طفلك عن الوالد/الوصي؟ (لأي سبب آخر غير الوفاة)** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Did your child face food/water shortages due to the war?/**هل واجه طفلك نقصًا في الطعام/الماء بسبب الحرب** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child have difficulty in sleeping?/ **قبل الحرب، كم مرة كان طفلك يعاني من صعوبة في النوم** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child experienced hypervigilance (being alerted to the environment)?/ **بعد الحرب، كم مرة عانى طفلك من فرط اليقظة (الانتباه المفرط للمحيط)** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child suffer from nightmares?/ **قبل الحرب، كم مرة عانى طفلك من الكوابيس** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child suffer from nightmares related to the war?/ **بعد الحرب، كم مرة عانى طفلك من كوابيس مرتبطة بالحرب** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child experience worry/fear?/ **قبل الحرب، كم مرة عانى طفلك من القلق/الخوف** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child experience worry/fear?/ **بعد الحرب، كم مرة عانى طفلك من القلق/الخوف** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child show aggressive behavior?/**قبل الحرب، كم مرة أظهر طفلك سلوكا عدوانيا** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child show aggressive behavior?/**بعد الحرب، كم مرة أظهر طفلك سلوكا عدوانيا** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child suffer from withdrawal from family/friends?/**قبل الحرب، كم مرة كان طفلك يعاني من الانسحاب من العائلة/الأصدقاء** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child suffer from withdrawal from family/friends?/**بعد الحرب، كم مرة عانى طفلك من الانسحاب من العائلة/الأصدقاء** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | Before the war, how often did your child experience mood swings?/ **قبل الحرب، كم مرة عانى طفلك من تقلبات مزاجية** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child experience mood swings?/ **بعد الحرب، كم مرة عانى طفلك من تقلبات مزاجية** |
|  |  |  | Always/دائِماً | Often/غالِباً | Sometimes/أَحْياناً | Rarely/نادِراً | Never/أبَداً | After the war, how often did your child avoid war related topics?/**بعد الحرب، كم مرة تجنب طفلك الموضوعات المتعلقة بالحرب؟** |
|  |  |  | Religious practices/الممارسات الدينية | Avoidance of triggers/تجنب المحفزات | Drawing/Writing/الرسم/الكتابة | Playing games/sports/ممارسة الألعاب/الرياضات | Talking to family/friends/التواصل مع العائلة/الأصدقاء | What strategies does your child use the most to cope with stress? (select all that apply)/**ما هي الاستراتيجيات التي يستخدمها طفلك بشكل أكبر للتعامل مع التوتر؟ (اختر جميع ما ينطبق)** |
|  |  |  |  |  |  | No/كلا | Yes/نعم | Has you child received psychological support (mental health first aid, clinical therapy, counseling services, other) since the war?/ **هل تلقى طفلك دعمًا نفسيًا (إسعافات أولية للصحة النفسية، علاج سريري، خدمات إرشادية، أو غيرها) منذ بدء الحرب؟** |
|  |  |  | Not effective/غير فعّال | Somewhat ineffective/غير فعّال إلى حد ما | Neutral/مُحايِد | Somewhat effective/فعّال إلى حد ما | Very effective/فعّال جدًا | If yes, how effective was the support?/**إذا كانت الإجابة نعم، فما مدى فعالية الدعم** |
|  |  |  |  | No, the child didn't attend school/لا، لم يحضر الطفل المدرسة | Yes, both in person and online/نعم، كلاهما، شخصيًا وأونلاين | Yes, online/نعم، أونلاين | Yes, in person/نعم، شخصيًا | Did your child attend school during the war?/**هل حضر طفلك المدرسة خلال الحرب** |
|  |  |  |  |  | No, the child is not attending school/لا، الطفل لا يحضر المدرسة | Yes, at a different school/نعم، في مدرسة مختلفة | Yes, at the same school as before/نعم، في نفس المدرسة كما كان من قبل الحرب | Is your child currently attending school?/**هل يحضر طفلك المدرسة حاليًا** |
|  |  |  | Declined significantly/انخفض بشكل كبير | Declined slightly/انخفض بشكل طفيف | No change/لم يحدث تغيير | Improved slightly/تحسن بشكل طفيف | Improved significantly/تحسن بشكل كبير | Compared to before the war, how has your child's academic performance changed after the war?/ **مقارنة لما قبل الحرب، كيف تغير أداء طفلك الأكاديمي بعد الحرب** |
|  |  |  |  |  | Rarely/Never/نادراً/أبداً | Occasionally/بين الحين والآخر | Yes, regularly/نعم، بانتظام | Does your child participate in social activities in/out school?/**هل يشارك طفلك في الأنشطة الاجتماعية داخل المدرسة أو خارجها** |
|  |  |  |  |  | Maybe/ربما | No/كلا | Yes/نعم | Is your child currently in need of psychological support?/**هل يحتاج طفلك حاليًا إلى دعم نفسي** |
|  |  |  |  |  | Maybe/ربما | No/كلا | Yes/نعم | Is your child currently in need of educational materials (Books, school supplies ...)?/**هل يحتاج طفلك حاليًا إلى مواد تعليمية (كتب، مستلزمات مدرسية...)** |
|  |  |  |  |  | Maybe/ربما | No/كلا | Yes/نعم | Is your child currently in need of safe housing?/**هل يحتاج طفلك حاليًا إلى سكن آمن** |
|  |  |  |  |  | Maybe/ربما | No/كلا | Yes/نعم | Is your child currently in need of medical care?/**هل يحتاج طفلك حاليًا إلى رعاية طبية** |
|  |  |  |  |  | Maybe/ربما | No/كلا | Yes/نعم | Is your child currently in need of food/water?/**هل يحتاج طفلك حاليًا إلى طعام/ماء** |

## Preprocessing

### Null values

District: one null value => was removed.

Displacement period in months: null values because the question is optional => replaced by 0 to indicate 0 months of displacement.

Effectiveness of mental health support: null values because the question is optional => replaced by 0 to identify individuals who didn’t receive support.

### Outliers

No outliers to be dealt with, as the questions were put in a way to limit them.

## SPSS Analysis

### Independent Sample T-test

#### Preparation

Index\_before: a continuous variable that measures the mean of sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings before the war.

Index\_after: a continuous variable that measures the mean of sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war.

#### Testing results

1. **Index\_before and displacement**

Null hypothesis: There is no relationship between the index\_before and the displacement state.

Alternative hypothesis: There is a relationship between index\_before and the displacement state.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | | | | |
|  | Q1. Did your family experience displacement due to the war? | | N | Mean | Classification | Std. Deviation | Significance |
| Index\_before | Yes | | 57 | 1.8655 | Rarely | .58878 | 0.007\* |
| No | | 77 | 1.6104 | Rarely | .48260 |

The significance is 0.476 > 0.05, then the significance(2-tailed) 0.007 to be considered.

The p-value = 0.007 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There** **is a relationship** between index\_before that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings before the war and the displacement state.

1. **Index\_after and displacement**

Null hypothesis: There is no relationship between the index\_after and the displacement state.

Alternative hypothesis: There is a relationship between index\_after and the displacement state.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | | | | |
|  | Q1. Did your family experience displacement due to the war? | | N | Mean | Classification | Std. Deviation | Significance |
| Index\_after | Yes | | 57 | 2.5058 | Sometimes | .83450 | 0.005\* |
| No | | 77 | 2.0996 | Rarely | .79069 |

The significance is 0.494 > 0.05, then the significance(2-tailed) 0.005 to be considered.

The p-value = 0.005 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and the displacement state.

1. **Index\_before and hearing/seeing bombing**

Null hypothesis: There is no relationship between the index\_before and hearing/seeing bombing in the same city.

Alternative hypothesis: There is a relationship between index\_before and hearing/seeing bombing in the same city.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | | | | |
|  | Q4. Did your child experience (heard, saw) bombings or explosions in the residence village/city? | | N | Mean | Classification | Std. Deviation | Significance |
| Index\_before | Yes | | 81 | 1.7613 | Rarely | .50891 | 0.265\* |
| No | | 53 | 1.6541 | Rarely | .59093 |

The significance is 0.736 > 0.05, then the significance(2-tailed) 0.265 to be considered.

The p-value = 0.265 > 0.05 => Null hypothesis is accepted.

Result: **There is no relationship** between index\_before that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings before the war and hearing/seeing bombing in the same city.

1. **Index\_after and hearing/seeing bombing**

Null hypothesis: There is no relationship between the index\_after and hearing/seeing bombing in the same city.

Alternative hypothesis: There is a relationship between index\_after and hearing/seeing bombing in the same city.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | | | | |
|  | Q4. Did your child experience (heard, saw) bombings or explosions in the residence village/city? | | N | Mean | Classification | Std. Deviation | Significance |
| Index\_after | Yes | | 81 | 2.4959 | Rarely | .82663 | <0.001\* |
| No | | 53 | 1.9308 | Rarely | .72090 |

The significance is 0.043 < 0.05, then the significance(2-tailed) <0.001 to be considered.

The p-value = (<0.001) < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and hearing/seeing bombing in the same city.

### One way ANOVA

#### Testing results

1. **Index\_after and period of displacement**

Null hypothesis: There is no relationship between the index\_after and the displacement period.

Alternative hypothesis: There is a relationship between index\_after and the displacement period.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index\_after | N | Mean | Std. Deviation | Minimum | Maximum |  |
| Significance |
| 0 | 81 | 2.0864 | .77420 | 1.00 | 4.00 | 0.044\* |
| 1 or less | 6 | 2.2222 | .94084 | 1.33 | 3.67 |
| 2 | 18 | 2.4907 | .75726 | 1.00 | 3.50 |
| 3 | 11 | 2.6818 | .86427 | 1.50 | 4.33 |
| 4 | 8 | 2.8333 | 1.08379 | 1.33 | 4.33 |
| 5+ | 7 | 2.5952 | .65868 | 1.33 | 3.33 |
| Yet displaced | 3 | 2.3333 | 1.16667 | 1.50 | 3.67 |
| Total | 134 | 2.2724 | .83134 | 1.00 | 4.33 |

The p-value = 0.044 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and the displacement period.

1. **Index\_after and child current residence**

Null hypothesis: There is no relationship between the index\_after and the child current residence.

Alternative hypothesis: There is a relationship between index\_after and the child current residence.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index\_after | N | Mean | Std. Deviation | Minimum | Maximum |  |
| Significance |
| Original home | 115 | 2.1913 | .82133 | 1.00 | 4.33 | 0.008\* |
| Displaced within Lebanon | 17 | 2.6765 | .72522 | 1.33 | 4.17 |
| Refugee camp | 2 | 3.5000 | .23570 | 3.33 | 3.67 |
| Total | 134 | 2.2724 | .83134 | 1.00 | 4.33 |

The p-value = 0.008 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and the child current residence.

1. **Index\_after and avoiding war related topics**

Null hypothesis: There is no relationship between the index\_after and avoiding war related topics.

Alternative hypothesis: There is a relationship between index\_after and avoiding war related topics.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index\_after | N | Mean | Std. Deviation | Minimum | Maximum |  |
| Significance |
| Never | 49 | 1.7517 | .71047 | 1.00 | 4.33 | <0.001\* |
| Rarely | 30 | 2.1056 | .57981 | 1.33 | 3.33 |
| Sometimes | 26 | 2.7756 | .69112 | 1.50 | 4.33 |
| Often | 24 | 2.9722 | .64394 | 1.50 | 4.17 |
| Always | 5 | 2.4000 | .99023 | 1.17 | 3.50 |
| Total | 134 | 2.2724 | .83134 | 1.00 | 4.33 |

The p-value = (<0.001) < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and avoiding war related topics.

1. **Index\_after and school attendance in war**

Null hypothesis: There is no relationship between the index\_after and school attendance in war.

Alternative hypothesis: There is a relationship between index\_after and school attendance in war.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index\_after | N | Mean | Std. Deviation | Minimum | Maximum |  |
| Significance |
| Yes, in person | 52 | 1.8750 | .76332 | 1.00 | 4.00 | <0.001\* |
| Yes, online | 41 | 2.4593 | .73199 | 1.33 | 4.33 |
| Yes, both in person and online | 14 | 2.5595 | .82588 | 1.67 | 4.33 |
| No, the child didn't attend school | 27 | 2.6049 | .83480 | 1.00 | 4.17 |
| Total | 134 | 2.2724 | .83134 | 1.00 | 4.33 |

The p-value = (<0.001) < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and school attendance in war.

1. **Index\_after and school attendance after war**

Null hypothesis: There is no relationship between the index\_after and school attendance after war.

Alternative hypothesis: There is a relationship between index\_after and school attendance after war.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index\_after | N | Mean | Std. Deviation | Minimum | Maximum |  |
| Significance |
| Yes, at the same school as before | 117 | 2.2365 | .85216 | 1.00 | 4.33 | 0.191\* |
| Yes, at a different school | 17 | 2.5196 | .63706 | 1.33 | 3.67 |
| Total | 134 | 2.2724 | .83134 | 1.00 | 4.33 |

The p-value = 0.191 > 0.05 => Null hypothesis is accepted and alternative is rejected.

Result: **There is no relationship** between index\_after that represents sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings after the war and school attendance after war.

### Chi Square

#### Testing results

1. **Displacement period and receiving mental health support**

Null hypothesis: There is no relationship between the displacement period and receiving mental health support.

Alternate hypothesis: There is a relationship between the displacement period and receiving mental health support.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | | | |
|  | | | Q2. If yes, how long was the child displaced till now by month? | | | | | | | | Total | |
| 0 | 1 or less | 2 | 3 | 4 | 5+ | Yet displaced |  | |
| Q2. Has your child received psychological support (mental health first aid, clinical therapy, counseling services, other) since the war? | Yes | Count | 5 | 2 | 2 | 4 | 2 | 1 | 1 | 17 | |
| % of Total | 3.7% | 1.5% | 1.5% | 3.0% | 1.5% | 0.7% | 0.7% | 12.7% | |
| No | Count | 76 | 4 | 16 | 7 | 6 | 6 | 2 | 117 | |
| % of Total | 56.7% | 3.0% | 11.9% | 5.2% | 4.5% | 4.5% | 1.5% | 87.3% | |
| Total | | Count | 81 | 6 | 18 | 11 | 8 | 7 | 3 | 134 | |
| % of Total | 60.4% | 4.5% | 13.4% | 8.2% | 6.0% | 5.2% | 2.2% | 100.0% | |
|  | | Pearson ci-square | 13.285 | | | | | | | | |
|  | | Significance | 0.039\* | | | | | | | | |

The p-value = 0.039 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between the displacement period and receiving mental health support.

1. **Parent employment before the war and receiving mental health support**

Null hypothesis: There is no relationship between the parent employment before the war and receiving mental health support.

Alternate hypothesis: There is a relationship between the parent employment before the war and receiving mental health support.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
|  | | | Q5. Parent/guardian’s occupation status before the war | | | | Total |
| Employed | Unemployed | Part-time | Other |
| Q2. Has your child received psychological support (mental health first aid, clinical therapy, counseling services, other) since the war? | Yes | Count | 15 | 1 | 0 | 1 | 17 |
| % of Total | 11.2% | 0.7% | 0.0% | 0.7% | 12.7% |
| No | Count | 71 | 7 | 7 | 32 | 117 |
| % of Total | 53.0% | 5.2% | 5.2% | 23.9% | 87.3% |
| Total | | Count | 86 | 8 | 7 | 33 | 134 |
| % of Total | 64.2% | 6.0% | 5.2% | 24.6% | 100.0% |
|  | | Pearson chi square | 5.551 | | | | |
|  | | Significance | 0.136\* | | | | |

The p-value = 0.136 > 0.05 => Null hypothesis is accepted and alternative is rejected.

Result: **There is no relationship** between the parent employments before the war and receiving mental health support.

1. **Losing a family member and receiving mental health support**

Null hypothesis: There is no relationship between losing a family member and receiving mental health support.

Alternate hypothesis: There is a relationship between losing a family member and receiving mental health support.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
|  | | | Q5. Did your child lose a family member due to the war? | | Total |
| Yes | No |
| Q2. Has your child received psychological support (mental health first aid, clinical therapy, counseling services, other) since the war? | Yes | Count | 7 | 10 | 17 |
| % of Total | 5.2% | 7.5% | 12.7% |
| No | Count | 15 | 102 | 117 |
| % of Total | 11.2% | 76.1% | 87.3% |
| Total | | Count | 22 | 112 | 134 |
| % of Total | 16.4% | 83.6% | 100.0% |
|  | | Pearson chi-square | 8.697 | | |
|  | | Significance | 0.003\* | | |

The p-value = 0.003 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between the losing a family member due to the war and receiving mental health support.

1. **House destruction and receiving mental health support**

Null hypothesis: There is no relationship between house destruction and receiving mental health support.

Alternate hypothesis: There is a relationship between house destruction and receiving mental health support.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Q6. Was your house destroyed due to war? | | Total |
| Yes | No |
| Q2. Has your child received psychological support (mental health first aid, clinical therapy, counseling services, other) since the war? | Yes | Count | 6 | 11 | 17 |
| % of Total | 4.5% | 8.2% | 12.7% |
| No | Count | 14 | 103 | 117 |
| % of Total | 10.4% | 76.9% | 87.3% |
| Total | | Count | 20 | 114 | 134 |
| % of Total | 14.9% | 85.1% | 100.0% |
|  | | Pearson chi-square | 6.362 | | |
|  | | Significance | 0.012\* | | |

The p-value = 0.012 < 0.05 => Null hypothesis is rejected and alternative is accepted.

Result: **There is a relationship** between the house destruction and receiving mental health support.

### Paired sample t-test

#### Testing results

1. **Index\_before and index\_after**

Null hypothesis: There is no relationship between index before and after war.

Alternate hypothesis: There is a relationship between the index before and after war.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Paired Samples Statistics** | | | | | |
|  | | Mean | N | Std. Deviation | Significance |
| Pair 1 | Index\_before | 1.7189 | 134 | .54321 | <0.001\* |
| Index\_after | 2.2724 | 134 | .83134 |

p-value = (<0.001) < 0.05 => Null hypothesis is rejected and alternative is accepted

Result: **There is a relationship** between sleeping disorders, nightmares, fear, aggressive behavior, social withdrawal, and mood swings before and after the war.

### Coping activities

Here is a table that shows the different coping activities that helped the children to cope with the war.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| Coping\_activities frequencies | | Responses | | Percent of Cases |
| N | Percent |
| Coping\_activitiesa | Q1. Coping\_family\_and\_friends | 94 | 39.5% | 70.1% |
| Q1. Coping\_playing\_games/sports | 67 | 28.2% | 50.0% |
| Q1. Coping\_drawing/writing/reading | 46 | 19.3% | 34.3% |
| Q1. Coping\_religious\_practices | 19 | 8.0% | 14.2% |
| Q1. Coping\_avoidance\_of\_triggers | 12 | 5.0% | 9.0% |
| Total | | 238 | 100.0% | 177.6% |
|  | | | | |

As revealed by the table, the most coping activity used was communicating with family and friends with around 40% of the children used this way, followed by playing games and sports. Further analysis to be done in order to observe the effectiveness of such coping mechanisms and how they can help children overcome crisis.