Table 1: Participants socio-demographic, amputation and health characteristics

|  |  |  |
| --- | --- | --- |
|  | N= 76 | % |
| GenderMale Female | 6214 | 81.618.4 |
| Age (years - mean (SD)) | 37.92 (12.35) |
| <40 years≥40 years | 4234 | 55.344.7 |
| Marital statusMarriedSingleNever marriedSeparatedDivorcedWidowed | 482824112 | 63.236.831.61.31.32.6 |
| Geographical locationRural Urban | 6016 | 78.921.1 |
| Education (years – mean (SD) | 5.53 (4.23) |
| No or PrimarySecondary or above | 5521 | 72.427.6 |
| Co-morbiditiesNoYesDiabeticHypertensiveHeart diseaseBronchial AsthmaticOther | 5026194120 | 65.834.225.05.31.32.60.0 |
| Level of amputationAbove knee amputationHip DisarticulationTrans-femoral AmputationKnee disarticulation Below knee amputationTrans-tibial AmputationAnkle disarticulationPartial Foot Amputation | 251213514713 | 32.91.327.63.967.161.81.33.9 |
| Cause of amputationNon-traumaticInfection/ GangreneTumourVascularOtherTraumatic- Road traffic/ other accident | 272231149 | 35.528.93.91.31.364.5 |

Table 2: Participants socio-economic variables

|  |  |  |
| --- | --- | --- |
|  | Pre-LLA(N=76) | Post-LLA- Pre- Rehabilitation(N=76) |
| N | % | n | % |
| WHODAS measurement of the extent of disabilitiesWorking at a Lower Level - post-LLANo- *working at the same level*Yes- *working at a lower level* |  |  | 769 | 9.290.8 |
| Work in last 30 Days (mean (SD))Days totally unable to workDays reduced work |  |  | 4.66 (3.75)15.4 (6.60) |  |
| Occupational StatusPaid Occupations*Paid Worker**Self-employed/ Business*Non-paid Occupations/ Unemployed*Non-paid worker**Student**Household work**Unemployed* | 61*36**25*15*1**9**5**0* | 80.3*47.4**32.9*19.7*1.3**11.8**6.6**0* | 11*3**8*65*2**7**10**46* | 14.5*3.9**10.5*85.5*2.6**9.2**13.2**60.5* |
| Occupational Status ChangeNo- *Returned to same occupation*Yes*Returned to different occupation**Failed to return to occupation* |  |  | 2155*9**46* | 27.672.4*11.8**60.5* |
| Economic Difficulties Managing Acute Care Cost of LLANoYes |  |  | 868 | 10.589.5 |
| Monthly Income\*Below the poverty line*No income**Income below poverty line*Above the poverty line | 1*0**1*59 | 1.7*0.0**1.7*98.3 | 51*50**1*9 | 85.0*83.3**1.7*15.0 |
| Monthly Income Change\*Total income loss (No Income)Partial/ not reduced income*Not reduced income**Partial reduced income* |  |  | 5010*2**8* | 83.316.7*3.3**13.3* |
| Economic Role within the FamilyEarner Role*Primary Earner**Secondary Earner*Dependent Role | 62*52**10*14 | 81.6*68.4**13.2*18.4 | 10*5**5*66 | 13.2*6.6**6.6*86.8 |
| Change of Economic Role within the FamilyNo- *remained in the same role*\*\*Yes-*changed from their usual role**Became secondary earner**Became dependent* |  |  | 1957*5**52* | 25.075.0*6.6**68.4* |

\*excludes participants who did not disclose their monthly income (2.6%, n=2) and those who had no income before LLA (18.9%, n= 14)

\*\*includes dependents (18.9%, n= 14)- no changes observed pre and post LLA among this group

Table 3: Cross-tabulations of socio-economic, health, amputation variables with outcome variables

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Occupational status change after LLA (n=76) | Economic difficulties managing acute care cost of LLA (n=76) | Monthly income reduced compared to the poverty line after LLA (n=60) \* | Change of economic role within the family after LLA(n=76) |
| Non (%) | Yesn (%) | Non (%) | Yesn (%) | Non (%) | Yesn (%) | Non (%) | Yesn (%) |
| Age (at time of interview)Below 40 years40 years and above | χ2(1) =5.14, p=0.023\*\* | χ2(1) =7.24, p= 0.007\*\*^ | χ2(1) =2.26, p= 0.175^ | χ2(1) =5.53, p= 0.019\*\* |
| 16 (21.1%)5 (6.6%) | 26 (34.2%)29 (38.2%) | 8 (10.5%)0 (0%) | 34 (44.7%)34(44.7%) | 7 (11.7%)3 (5.0%) | 22 (36.7%)28 (46.7%) | 18(23.7%)6 (7.9%) | 24 (31.6%)28 (36.8%) |
| SexFemaleMale | χ2(1) =1.99, p= 0.158 | χ2(1) =0.21, p= 1.000^ | χ2(1) =0.12, p= 1.000^ | χ2(1) =1.01, p= 0.315 |
| 6 (7.9%)15(19.7%) | 8 (10.5%)47 (61.8%) | 1 (1.3%)7 (9.2%) | 13 (17.1%)55 (72.4%) | 1 (1.7%)9 (15%) | 7 (11.7%)43 (71.7%) | 6 (7.9%)18 (23.7%) | 8 (10.5%)44 (57.9%) |
| Geographical locationRuralUrban | χ2(1) =2.63, p= 0.105 | χ2(1) =0.08, p= 0.672^ | χ2(1) =0.75, p= 0.403^ | χ2(1) =3.18, p= 0.074 |
| 14(18.4%)7 (9.2%) | 46 (60.5%)9 (11.8%) | 6 (7.9%)2 (2.6%) | 54 (71.1%)14 (18.4%) | 7 (11.7%)3 (5.0%) | 41 (68.3%)9 (15.0%) | 16 (21.1%)8 (10.5%) | 44 (57.9%)8 (10.5%) |
| EducationNo/ PrimarySecondary/ Higher | χ2(1) =1.59, p= 0.207 | χ2(1) =10.03, p= 0.005\*\*^ | χ2(1) =0.75, p= 0.670^ | χ2(1) =1.71, p= 0.194 |
| 13(17.1%)8 (10.5%) | 42 (55.3%)13 (17.1%) | 2 (2.6%)6 (7.9%) | 53 (69.7%)15 (19.7%) | 9 (15.0%)1 (1.7%) | 39 (65.0%)11 (18.3%) | 15 (19.7%)9 (11.8%) | 40 (52.6%)12 (15.8%) |
| Marital StatusMarriedSingle | χ2(1) =3.01, p= 0.083 | χ2(1) =9.86, p= 0.003\*\*^ | χ2(1) =1.44, p= 0.426^ | χ2(1) =4.53, p= 0.033\*\* |
| 10(13.2%)11(14.5%) | 38 (50%)17 (22.4%) | 1 (1.3%)7 (9.2%) | 47 (61.8%)21 (27.6%) | 9 (15.0%)1 (1.7%) | 36 (60.0%)14 (23.3%) | 11 (14.5%)13 (17.1%) | 37 (48.7%)15 (19.7%) |
| Level of AmputationAbove KneeBelow Knee | χ2(1) =0.36, p= 0.551 | χ2(1) =1.69, p= 0.259^ | χ2(1) =3.30, p= 0.143^ | χ2(1) =0.003, p= 0.956 |
| 8 (10.5%)13 (17.1%) | 17 (22.4%)38 (50%) | 1 (1.3%)7 (9.2%) | 24 (31.6%)44 (57.9%) | 6 (10.0%)4 (6.7%) | 15 (25.0%)35 (58.3%) | 8 (10.5%)16 (21.1%) | 17 (22.4%)35 (46.1%) |
| Cause of AmputationTraumaticNon-traumatic | χ2(1) =1.74, p= 0.187 | χ2(1) =4.93, p= 0.045\*\*^ | χ2(1) =0.35, p= 0.727^ | χ2(1) =0.62, p= 0.431 |
| 16 (21.1%)5 (6.6%) | 33 (43.4%)22 (28.9%) | 8 (10.5%)0 (0.0%) | 41 (53.9%)27 (35.5%) | 7 (11.7%)3 (5.0%) | 30 (50.0%)20 (33.3%) | 17 (22.4%)7 (9.2%) | 32 (42.1%)20 (26.3%) |
| ComorbiditiesNoYes | χ2(1) =0.01, p= 0.921 | χ2(1) =0.34, p= 0.708^ | χ2(1) =0.96, p= 0.471^ | χ2(1) =0.01, p= 0.913 |
| 14 (18.4%)7 (9.2%) | 36 (47.4%)19 (25.0%) | 6 (7.9%)2 (2.6%) | 44 (57.9%)24 (31.6%) | 8 (13.3%)2 (3.3%) | 32 (53.3%)18 (30.0%) | 16 (21.1%)8 (10.5%) | 34 (44.7%)18 (23.7%) |
| Economic Role within the Family – pre-LLAEarnerDependent | χ2(1) =28.95, p <0.001\*\*^ | χ2(1) =28.39, p<0.001\*\*^ | NA | χ2(1) =37.18, p<0.001\*\*^ |
| 9 (11.8%)12 (15.8%) | 53 (69.7%)2 (2.6%) | 1 (1.3%)7 (9.2%) | 61 (80.3%)7 (9.2%) |  |  | 10 (13.2%)14 (18.4%) | 52 (68.4%)0 (0%) |
| Monthly Income- pre-LLA\*Below Poverty lineAbove poverty line | χ2(1) =0.16, p= 1.000^ | χ2(1) =0.017, p= 1.000^ | χ2(1) =5.09, p= 0.167^ | χ2(1) =0.179, p= 1.000^ |
| 0 (0.0%)8 (13.3%) | 1 (1.7%)51 (85.0%) | 0 (0%)1 (1.7%) | 1 (1.7%)58 (96.7%) | 1 (1.7%)9 (15.0%) | 0 (0.0%)50 (83.3%) | 0 (0.0%)9 (15.0%) | 1 (1.7%)50 (83.3%) |
| Occupational Status- pre-LLAPaid OccupationsNon-paid Occupations or unemployed | χ2(1) =32.57, p<0.001\*\*^ | χ2(1) =25.92, p<0.001\*\*^ | NA | χ2(1) =32.99, p<0.001\*\*^ |
| 8 (10.5%)13 (17.1%) | 53 (69.7%)2 (2.6%) | 1 (1.3%)7 (9.2%) | 60 (78.9%)8 (10.5%) |  |  | 10 (13.2%)14 (18.4%) | 51 (67.1%)1 (1.3%) |
| WHODAS Total ScoreNo/ MildModerate/ Extreme | χ2(1) =0.89, p= 0.387^ | NA |  | χ2(1) =0.21, p= 0.528^ | χ2(1) =5.67, p= 0.029\*\*^ |
| 3 (3.9%)18(23.7%) | 4 (5.3%)51 (67.1%) |  |  | 1 (1.7%)9 (15.0%) | 3 (5.0%)47 (78.3%) | 5 (6.6%)19 (25%) | 2 (2.6%)50 (65.8%) |

\*excludes participants who did not disclose their monthly income (2.6%, n=2) or had no income before LLA (18.9%, n= 14)

\*\*p≤0.05; ^ denotes where the Fisher’s Exact Test p-value was reported given the minimum cell count was less than five