

## **Appendix 1. The calculation of a score for functional limitations that is comparable for items with four and five response options**

### LASAb: four response options

fre badl1a badl4a badl6a.

```
compute bfl1a=badl1a.
compute bfl4a=badl4a.
compute bfl6a=badl6a.
recode bfl1a bfl4a bfl6a (1=3)(2=2)(3=1)(4=0).
var label bfl1a 'Stairs'.
var label bfl4a 'Toenails'.
var label bfl6a 'Transport'.
val label bfl1a bfl4a bfl6a 0 'yes, no difficulty'
                                1 'yes, with difficulty'
                                2 'only with help'
                                3 'no, cannot'.
```

fre bfl1a bfl4a bfl6a.

missing values bfl1a bfl4a bfl6a (-5,-2,-1).  
fre bfl1a bfl4a bfl6a.

```
compute bfl=(bfl1a+bfl4a+bfl6a).
fre bfl.
```

### LASAC and later waves: five response options

fre cadl1a cadl4a cadl6a.

```
compute cfl1a=cadl1a.
compute cfl4a=cadl4a.
compute cfl6a=cadl6a.
recode cfl1a cfl4a cfl6a (1=4)(2=3)(3=2)(4=1)(5=0).
var label cfl1a 'Stairs'.
var label cfl4a 'Toenails'.
var label cfl6a 'Transport'.
val label cfl1a cfl4a cfl6a 0 'yes, no difficulty'
                                1 'yes, with little difficulty'
                                2 'yes, with much difficulty'
                                3 'only with help'
                                4 'no, cannot'.
```

fre cfl1a cfl4a cfl6a.

missing values cfl1a cfl4a cfl6a (-5,-2,-1).  
fre cfl1a cfl4a cfl6a.

```
compute cfl=(cfl1a+cfl4a+cfl6a)*3/4.
fre cfl.
```

var label bfl cfl 'fl-3 items, range 0-9'.