The AWACAN breast and cervical cancer tool: Scoring

- **Asset Index:**

Question 107 a-f can be entered into a principle components analysis to construct an asset index, a single measure of economic status (Filmer & Pritchett. *Demography* 2001. 38:1,115-132.

Coding: "Yes"= 1 and "No"= 0. Records with "Did not answer" can be treated as missing

Steps to develop an asset index:
1. Conduct a principal component analysis (PCA)
2. Assess PCA result
3. Construct index for each record by applying score factor to each variable in the index
4. Categorize index into quintiles. Lower quintiles indicate lower economic status than higher ones.

- **Breast Cancer risk factor knowledge (Q302)**

Coding for evidence- based risk factors: Q302a,b,c d, f,g,i,k,m,n,o,q,r
"Yes" = 1 ,"No" = 0, "Don't know" = 0. "Yes" = 1. Maximum score = 13

- **Breast Cancer symptom knowledge (Q402)**

Coding for evidence- based risk factors: Q402 a,b,c,d,e,f,g,i,j,k,l,m,n,o,p
"Yes" = 1 ,"No" = 0, "Don't know" = 0. "Yes" = 1. Maximum score = 15

- **Cervical Cancer risk factor knowledge (Q802)**

Coding for evidence- based risk factors: Q802 a,b,c,d,f,g,i,j,l,m,n
"Yes" = 1 ,"No" = 0, "Don't know" = 0. "Yes" = 1. Maximum score = 11

- **Cervical Cancer symptom knowledge (Q902)**

Coding for evidence- based risk factors: Q902a,b,c,d,e,f,g,h,i,j,k,l
"Yes" = 1 ,"No" = 0, "Don't know" = 0. "Yes" = 1. Maximum score = 11

- **Lay beliefs**

    Can be described as individual items according to the responses.

- **Help seeking behaviors after discovering a change in a breast/s or in cervix/womb (Q501a-e, Q1001 a-e)**

Coding for help-seeking behaviors:
"Yes" = 1 ,"No" = 0, "Don't know" = 0.

- **Help seeking intentions after discovering a change in a breast/s or in cervix/womb (Q502, 503; Q1002, 1003)**

Can be left as categorical variable with 5 categories or dichotomized as appropriate to setting or research question

For South Africa and Uganda, we coded as follows:

Prompt = "<1 week", Later = All categories ≥1 month, including "Never"

- **Confidence skills in relation to breast or cervical cancer symptoms (Q601,602,603,604; Q1101,1102,1103)**

No specific coding required as items not summed for a cumulative score.

- **Barriers to help-seeking (Q1201a-l)**

Barriers can be described under 3 different subheadings:

       Patient mediated - Emotional: Q1201 a, b, c, g,i, l

       Patient mediated -Practical: Q1201 d, f, k

       Health system: Q1201 e, h, j

Coding of barriers:

"Agree" = 1 "Disagree" = 0, "Don't know" = 0

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