

**National Health and Nutrition Examination Survey
Codebook for Data Release (1999-2000)**

**MEC Examination
Bioelectrical Impedance Analysis (BIX)
Person level data -- use Examination Weights for analysis**

May 2004

SEQN	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

BIAEXLEN	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	BIA Time in Seconds
English Text: BIA Time in Seconds	
English Instructions:	

BIAEXSTS	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	BIA Status
English Text: BIA Status	
English Instructions:	
Codes:	Skip To Values:
1= Complete	
2= Partial	
3= Not done	

BIAOBJ	Target
	B(8 Yrs. to 49 Yrs.)

Hard Edits	SAS Label
	Removed jewelry, other objects?
English Text: Has SP removed all jewelry, eyeglasses, hair ornaments, and other objects from the hair and body?	
English Instructions:	
Codes: 1= Yes 2= No, exclude 3= No, ok to continue 9= Don't know	Skip To Values:

BIDFIT	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Quality of Fit of Cole-Cole Model
English Text: Quality of Fit of Cole-Cole Model	
English Instructions:	
Codes: 0= Excellent 1= Good 2= Marginal	Skip To Values:

BIXS005K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 5 KHz
English Text: Resistance (Ohms) @ 5 KHz	
English Instructions:	

BIXS006K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 6 KHz
English Text: Resistance (Ohms) @ 6 KHz	
English Instructions:	

BIXS007K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 7 KHz
English Text: Resistance (Ohms) @ 7 KHz	
English Instructions:	

BIXS008K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 8 KHz
English Text: Resistance (Ohms) @ 8 KHz	
English Instructions:	

BIXS009K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 9 KHz
English Text: Resistance (Ohms) @ 9 KHz	
English Instructions:	

BIXS010K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 10 KHz
English Text: Resistance (Ohms) @ 10 KHz	
English Instructions:	

BIXS011K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 11 KHz
English Text: Resistance (Ohms) @ 11 KHz	
English Instructions:	

BIXS012K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 12 KHz
English Text: Resistance (Ohms) @ 12 KHz	
English Instructions:	

BIXS013K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 13 KHz
English Text: Resistance (Ohms) @ 13 KHz	
English Instructions:	

BIXS014K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 14 KHz
English Text: Resistance (Ohms) @ 14 KHz	
English Instructions:	

BIXS015K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 15 KHz
English Text: Resistance (Ohms) @ 15 KHz	
English Instructions:	

BIXS016K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 16 KHz
English Text: Resistance (Ohms) @ 16 KHz	
English Instructions:	

BIXS018K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 18 KHz
English Text: Resistance (Ohms) @ 18 KHz	
English Instructions:	

BIXS020K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 20 KHz
English Text: Resistance (Ohms) @ 20 KHz	
English Instructions:	

BIXS023K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 23 KHz
English Text: Resistance (Ohms) @ 23 KHz	
English Instructions:	

BIXS025K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 25 KHz
English Text: Resistance (Ohms) @ 25 KHz	
English Instructions:	

BIXS028K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 28 KHz
English Text: Resistance (Ohms) @ 28 KHz	
English Instructions:	

BIXS031K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 31 KHz
English Text: Resistance (Ohms) @ 31 KHz	
English Instructions:	

BIXS035K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 35 KHz
English Text: Resistance (Ohms) @ 35 KHz	
English Instructions:	

BIXS039K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 39 KHz
English Text: Resistance (Ohms) @ 39 KHz	
English Instructions:	

BIXS043K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 43 KHz
English Text: Resistance (Ohms) @ 43 KHz	
English Instructions:	

BIXS050K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 50 KHz
English Text: Resistance (Ohms) @ 50 KHz	
English Instructions:	

BIXS054K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 54 KHz
English Text: Resistance (Ohms) @ 54 KHz	
English Instructions:	

BIXS060K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 60 KHz
English Text: Resistance (Ohms) @ 60 KHz	
English Instructions:	

BIXS067K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 67 KHz
English Text: Resistance (Ohms) @ 67 KHz	
English Instructions:	

BIXS075K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 75 KHz
English Text: Resistance (Ohms) @ 75 KHz	
English Instructions:	

BIXS083K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 83 KHz
English Text: Resistance (Ohms) @ 83 KHz	
English Instructions:	

BIXS093K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 93 KHz
English Text: Resistance (Ohms) @ 93 KHz	
English Instructions:	

BIXS100K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 100 KHz
English Text: Resistance (Ohms) @ 100 KHz	
English Instructions:	

BIXS115K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 115 KHz
English Text: Resistance (Ohms) @ 115 KHz	
English Instructions:	

BIXS128K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 128 KHz
English Text: Resistance (Ohms) @ 128 KHz	
English Instructions:	

BIXS143K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 143 KHz
English Text: Resistance (Ohms) @ 143 KHz	
English Instructions:	

BIXS159K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 159 KHz
English Text: Resistance (Ohms) @ 159 KHz	
English Instructions:	

BIXS177K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 177 KHz
English Text: Resistance (Ohms) @ 177 KHz	
English Instructions:	

BIXS200K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 200 KHz
English Text: Resistance (Ohms) @ 200 KHz	
English Instructions:	

BIXS220K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 220 KHz
English Text: Resistance (Ohms) @ 220 KHz	
English Instructions:	

BIXS245K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 245 KHz
English Text: Resistance (Ohms) @ 245 KHz	
English Instructions:	

BIXS273K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 273 KHz
English Text: Resistance (Ohms) @ 273 KHz	
English Instructions:	

BIXS304K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 304 KHz
English Text: Resistance (Ohms) @ 304 KHz	
English Instructions:	

BIXS339K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 339 KHz
English Text: Resistance (Ohms) @ 339 KHz	
English Instructions:	

BIXS378K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 378 KHz
English Text: Resistance (Ohms) @ 378 KHz	
English Instructions:	

BIXS421K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 421 KHz
English Text: Resistance (Ohms) @ 421 KHz	
English Instructions:	

BIXS469K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 469 KHz
English Text: Resistance (Ohms) @ 469 KHz	
English Instructions:	

BIXS500K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 500 KHz
English Text: Resistance (Ohms) @ 500 KHz	
English Instructions:	

BIXS582K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 582 KHz
English Text: Resistance (Ohms) @ 582 KHz	
English Instructions:	

BIXS649K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 649 KHz
English Text: Resistance (Ohms) @ 649 KHz	
English Instructions:	

BIXS723K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 723 KHz
English Text: Resistance (Ohms) @ 723 KHz	
English Instructions:	

BIXS806K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 806 KHz
English Text: Resistance (Ohms) @ 806 KHz	
English Instructions:	

BIXS898K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 898 KHz
English Text: Resistance (Ohms) @ 898 KHz	
English Instructions:	

BIXS1M	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Resistance (Ohms) @ 1 MHz
English Text: Resistance (Ohms) @ 1 MHz	
English Instructions:	

BIXC005K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 5 KHz
English Text: Reactance (Ohms) @ 5 KHz	
English Instructions:	

BIXC006K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 6 KHz
English Text: Reactance (Ohms) @ 6 KHz	
English Instructions:	

BIXC007K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 7 KHz
English Text: Reactance (Ohms) @ 7 KHz	
English Instructions:	

BIXC008K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 8 KHz
English Text: Reactance (Ohms) @ 8 KHz	
English Instructions:	

BIXC009K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 9 KHz
English Text: Reactance (Ohms) @ 9 KHz	
English Instructions:	

BIXC010K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 10 KHz
English Text: Reactance (Ohms) @ 10 KHz	
English Instructions:	

BIXC011K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 11 KHz
English Text: Reactance (Ohms) @ 11 KHz	
English Instructions:	

BIXC012K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 12 KHz
English Text: Reactance (Ohms) @ 12 KHz	
English Instructions:	

BIXC013K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 13 KHz
English Text: Reactance (Ohms) @ 13 KHz	
English Instructions:	

BIXC014K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 14 KHz
English Text: Reactance (Ohms) @ 14 KHz	
English Instructions:	

BIXC015K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 15 KHz
English Text: Reactance (Ohms) @ 15 KHz	
English Instructions:	

BIXC016K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 16 KHz
English Text: Reactance (Ohms) @ 16 KHz	
English Instructions:	

BIXC018K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 18 KHz
English Text: Reactance (Ohms) @ 18 KHz	
English Instructions:	

BIXC020K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 20 KHz
English Text: Reactance (Ohms) @ 20 KHz	
English Instructions:	

BIXC023K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 23 KHz
English Text: Reactance (Ohms) @ 23 KHz	
English Instructions:	

BIXC025K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 25 KHz
English Text: Reactance (Ohms) @ 25 KHz	
English Instructions:	

BIXC028K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 28 KHz
English Text: Reactance (Ohms) @ 28 KHz	
English Instructions:	

BIXC031K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 31 KHz
English Text: Reactance (Ohms) @ 31 KHz	
English Instructions:	

BIXC035K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 35 KHz
English Text: Reactance (Ohms) @ 35 KHz	
English Instructions:	

BIXC039K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 39 KHz
English Text: Reactance (Ohms) @ 39 KHz	
English Instructions:	

BIXC043K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 43 KHz
English Text: Reactance (Ohms) @ 43 KHz	
English Instructions:	

BIXC050K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 50 KHz
English Text: Reactance (Ohms) @ 50 KHz	
English Instructions:	

BIXC054K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 54 KHz
English Text: Reactance (Ohms) @ 54 KHz	
English Instructions:	

BIXC060K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 60 KHz
English Text: Reactance (Ohms) @ 60 KHz	
English Instructions:	

BIXC067K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 67 KHz
English Text: Reactance (Ohms) @ 67 KHz	
English Instructions:	

BIXC075K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 75 KHz
English Text: Reactance (Ohms) @ 75 KHz	
English Instructions:	

BIXC083K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 83 KHz
English Text: Reactance (Ohms) @ 83 KHz	
English Instructions:	

BIXC093K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 93 KHz
English Text: Reactance (Ohms) @ 93 KHz	
English Instructions:	

BIXC100K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 100 KHz
English Text: Reactance (Ohms) @ 100 KHz	
English Instructions:	

BIXC115K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 115 KHz
English Text: Reactance (Ohms) @ 115 KHz	
English Instructions:	

BIXC128K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 128 KHz
English Text: Reactance (Ohms) @ 128 KHz	
English Instructions:	

BIXC143K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 143 KHz
English Text: Reactance (Ohms) @ 143 KHz	
English Instructions:	

BIXC159K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 159 KHz
English Text: Reactance (Ohms) @ 159 KHz	
English Instructions:	

BIXC177K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 177 KHz
English Text: Reactance (Ohms) @ 177 KHz	
English Instructions:	

BIXC200K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 200 KHz
English Text: Reactance (Ohms) @ 200 KHz	
English Instructions:	

BIXC220K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 220 KHz
English Text: Reactance (Ohms) @ 220 KHz	
English Instructions:	

BIXC245K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 245 KHz
English Text: Reactance (Ohms) @ 245 KHz	
English Instructions:	

BIXC273K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 273 KHz
English Text: Reactance (Ohms) @ 273 KHz	
English Instructions:	

BIXC304K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 304 KHz
English Text: Reactance (Ohms) @ 304 KHz	
English Instructions:	

BIXC339K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 339 KHz
English Text: Reactance (Ohms) @ 339 KHz	
English Instructions:	

BIXC378K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 378 KHz
English Text: Reactance (Ohms) @ 378 KHz	
English Instructions:	

BIXC421K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 421 KHz
English Text: Reactance (Ohms) @ 421 KHz	
English Instructions:	

BIXC469K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 469 KHz
English Text: Reactance (Ohms) @ 469 KHz	
English Instructions:	

BIXC500K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 500 KHz
English Text: Reactance (Ohms) @ 500 KHz	
English Instructions:	

BIXC582K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 582 KHz
English Text: Reactance (Ohms) @ 582 KHz	
English Instructions:	

BIXC649K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 649 KHz
English Text: Reactance (Ohms) @ 649 KHz	
English Instructions:	

BIXC723K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 723 KHz
English Text: Reactance (Ohms) @ 723 KHz	
English Instructions:	

BIXC806K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 806 KHz
English Text: Reactance (Ohms) @ 806 KHz	
English Instructions:	

BIXC898K	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 898 KHz
English Text: Reactance (Ohms) @ 898 KHz	
English Instructions:	

BIXC1M	Target
	B(8 Yrs. to 49 Yrs.)
Hard Edits	SAS Label
	Reactance (Ohms) @ 1 MHz
English Text: Reactance (Ohms) @ 1 MHz	
English Instructions:	