

# **Cancer Research UK**

## **Cancer Awareness Measure (CAM)**

### **Coding sheet (for use with SPSS or EXCEL)**

This survey instrument (CAM) was developed by Cancer Research UK, University College London, Kings College London, and University of Oxford in 2007-2008.

Below is a format for recording the data of the CAM so that it is suitable for depositing in the data archive. We are currently making arrangements to deposit the data at the UK Data Archive and will provide instructions on how to do this at a later date.

You can see that as well as numbers for coding the data, we are also providing a set of correct 'variable names' (e.g. **LumpC**). Please use these 'variable names' when recording your data.

For every question it is possible to code data as 'refused'. Use this code when the participant actively chooses not to respond. Where appropriate there is a code for 'don't know', please see relevant questions below. For all other missing data just leave a blank.

Please store the data in either EXCEL or SPSS for transfer to the archive. There is a template EXCEL and SPSS data file available, if you require it.

We have not provided guidance about how the CAM should be scored, but we are happy to give advice and can provide syntax files for coding in SPSS.

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There are many warning signs and symptoms of cancer. Please name as many as you can think of:

Variable names: SymptomO1 to SymptomO18

- Please create 18 variables labelled 1, 2, 3' etc up to 18. Each symptom must be recorded as a new variable using the coding frame below. For example if the first response is 'weight loss' code as '9' in SymptomO1. If the second response is 'bleeding' code as '3' in SymptomO2 etc
- To code a variable that is not on the list code as 'Other' (code 17) and write the variable verbatim in: SymptomO17 or SymptomO18. This can be done for 2 'other' variables.

Warning sign	Code
Lump/swelling	1
Pain	2
Bleeding	3
Cough/hoarseness	4
Change in bowel/bladder habits	5
Difficulty swallowing	6
Change in appearance of a mole	7
Sore that does not heal	8
Weight loss	9
Tiredness/fatigue	10
Nausea/sickness	11
Generally unwell	12
Bruising	13
Loss of appetite	14
Blurred vision	15
Feeling weak	16
Other	17
Nothing	18
Refusal	98
Don't know	99

The following may or may not be warning signs for cancer. We are interested in your opinion:

Question followed by corresponding SPSS/Excel Variable Name	Scoring								
	Yes			No			Don't know		
Do you think an unexplained lump or swelling could be a sign of cancer? <b>LumpC</b>	3			2			1		
Do you think persistent unexplained pain could be a sign of cancer? <b>PainC</b>	3			2			1		
Do you think unexplained bleeding could be a sign of cancer? <b>BleedingC</b>	3			2			1		
Do you think a persistent cough or hoarseness could be a sign of cancer? <b>CoughC</b>	3			2			1		
Do you think a persistent change in bowel or bladder habits could be a sign of cancer? <b>BowelC</b>	3			2			1		
Do you think persistent difficulty swallowing could be a sign of cancer? <b>SwallowingC</b>	3			2			1		
Do you think a change in the appearance of a mole could be a sign of cancer? <b>MoleC</b>	3			2			1		
Do you think a sore that does not heal could be a sign of cancer? <b>SoreC</b>	3			2			1		
Do you think unexplained weight loss could be a sign of cancer? <b>WeightC</b>	3			2			1		
If you noticed an unexplained lump or swelling how soon would you contact your doctor to make an appointment to discuss it? <b>Variable name: LumpTime</b>									
1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had unexplained pain how soon would you contact your doctor to make an appointment to discuss it?  
**Variable name: PainTime**

1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had unexplained bleeding how soon would you contact your doctor to make an appointment to discuss it?  
**Variable name: BleedingTime**

1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had a cough or hoarseness how soon would you contact your doctor to make an appointment to discuss it? **Variable name: CoughTime**

1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you noticed a change in bowel or bladder habits how soon would you contact your doctor to make an appointment to discuss it? **Variable name: BowelTime**

1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had difficulty swallowing how soon would you contact your doctor to make an appointment to discuss it?  
**Variable name: SwallowingTime**

1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you noticed a change in the appearance of a mole how soon would you contact your doctor to make an appointment to discuss it? <b>Variable name: MoleTime</b>									
1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had a sore that did not heal how soon would you contact your doctor to make an appointment to discuss it? <b>Variable name: SoreTime</b>									
1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had unexplained weight loss how soon would you contact your doctor to make an appointment to discuss it? <b>Variable name: WeightTime</b>									
1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

If you had a symptom that you thought might be a sign of cancer how soon would you contact your doctor to make an appointment to discuss it? <b>Variable name: CancerSignTime</b>									
1-3 days	4-6 days	1 week	2 weeks	1 month	6 weeks	3 months	6 months	12 months	Never
1	2	3	4	5	6	7	8	9	10

Sometimes people put off going to see the doctor, even when they have a symptom that they think might be serious. These are some of the reasons people give for delaying. Could you say if any of these might put you off going to the doctor?					Scoring				
Question followed by				Yes often	Yes sometimes	No	Don't know		
<b>SPSS/Excel variable name</b>									
I would be too embarrassed				4	3	2		1	

<b>Embarrassed</b>				
I would be too scared	4	3	2	1
<b>Scared</b>				
I would be worried about wasting the doctor's time	4	3	2	1
<b>WorryTime</b>				
My doctor would be difficult to talk to	4	3	2	1
<b>DifficultTalk</b>				
It would be difficult to make an appointment with my doctor	4	3	2	1
<b>Appointment</b>				
I would be too busy to make time to go to the doctor	4	3	2	1
<b>Busy</b>				
I have too many other things to worry about	4	3	2	1
<b>WorryMany</b>				
It would be difficult for me to arrange transport to the doctor's surgery	4	3	2	1
<b>Transport</b>				
I would be worried about what the doctor might find	4	3	2	1
<b>WorryFind</b>				
Scoring				
Question followed by <b>SPSS/Excel variable name</b>	Yes often	Yes sometimes	No	Don't know
I wouldn't feel confident talking about my symptom with the doctor	4	3	2	1
<b>Confident</b>				
Other (please specify) <b>Other</b>		Type in verbatim		

**What things do you think affect a person's chance of getting cancer?**

**Variable names: RiskO1 to RiskO26**

**Please create 26 variables labelled 1, 2, 3 etc, up to 26. Each risk factor must be recorded as a new variable using the coding frame below. For example if the first response is 'being overweight' code as '6' in RiskO1. If the second response is 'pollution' code as '22' in RiskO2 etc.**

**To code a variable that is not on the list code as 'Other' (code 25) and write the variable verbatim in: RiskO25 or RiskO26. This can be done for 2 'other' variables.**

<b>Risk Factor</b>	<b>Code</b>
Smoking	1
Exposure to another person's cigarette smoke (passive smoking)	2
Drinking alcohol	3
Not eating enough fruit and vegetables	4
Eating red or processed meat	5
Being overweight	6
Getting sunburnt/exposure to the sun	7
Older age	8
Family history/having a close relative with cancer/Hereditary	9
Infection with HPV (human papillomavirus)	10
Not doing enough exercise/physical activity	11
Diet (unspecified)	12
A high fat diet	13
A low fibre diet	14
Food additives	15
Being underweight	16
Genes/genetics	17
Infection with viruses (Unspecified/Other)	18
Having many sexual partners	19
Taking HRT/the (contraceptive) pill	20
Living near power lines	21
Pollution	22
<b>Risk Factor</b>	<b>Code</b>
Radiation	23



	Stress	24	
	Other	25	
	Nothing	26	
	Refusal	98	
	Don't know	99	

**Medical scientists suggest that these are some of the things that can increase the chance of getting cancer. How much do you agree that each of these can increase the chance of getting cancer?**

Question followed by <b>SPSS/Excel variable name</b>	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
Smoking any cigarettes at all <b>SmokingC</b>	1	2	3	4	5
Exposure to another person's cigarette smoke <b>PassiveC</b>	1	2	3	4	5
Drinking more than 1 unit of alcohol a day <b>AlcoholC</b>	1	2	3	4	5
Eating less than 5 portions of fruit and vegetables a day <b>FruitC</b>	1	2	3	4	5
Eating red or processed meat once a day or more <b>MeatC</b>	1	2	3	4	5
Being overweight (BMI over 25) <b>OverweightC</b>	1	2	3	4	5
Getting sunburnt more than once as a child <b>SunburnC</b>	1	2	3	4	5
Being over 70 years old <b>OlderC</b>	1	2	3	4	5
Having a close relative with cancer <b>FamilyC</b>	1	2	3	4	5
Infection with HPV (Human Papillomavirus) <b>HPVC</b>	1	2	3	4	5
Doing less than 30 mins of moderate physical activity 5 times a week <b>ExerciseC</b>	1	2	3	4	5

Here is a picture of 100 people. Out of 100 people, how many do you think will develop cancer at some point in their life?



\_\_\_ \_\_\_ \_\_\_ people out of 100 will develop cancer at some point in their life

Record the actual number (0-100) that the respondent gave as the answer in the variable name: **Incidence**

Below are the variable names used in Q9, please turn to the next page for the appropriate coding frame that accompanies these variable names.

What do you think is the **most** common cancer in women?

**Variable name: Cancer1F**

**NB To code a variable that is not on the list, code as 'Other' (code '19') and then write the variable verbatim in: 'Cancer1otherF' or in the appropriate 'other' variable field. Further explanation on next page.**

**(Cancer1otherF)**

What do you think is the **second** most common cancer in women?

**Variable name: Cancer2F**

**(Cancer2otherF)**

What do you think is the **third** most common cancer in women?

**Variable name Cancer3F**

**(Cancer3otherF)**

What do you think is the **most** common cancer in men?

**Variable name: Cancer1M**

**(Cancer1otherM)**

What do you think is the **second** most common cancer in men?

**Variable name: Cancer2M**

**(Cancer2otherM)**

What do you think is the **third** most common cancer in men?

**Variable name: Cancer3M**

**(Cancer3otherM)**

**CODING FRAME ON NEXT PAGE**

**Data archive:** Please use the coding frame for men and women below for transfer to the data archive. Example: If the response for the ‘most’ common cancer in women is ‘lung cancer’ place code ‘9’ under variable name **Cancer1F**.

**Code a response that is not on the list code as ‘Other’ (code ‘25’) and write the variable verbatim in: Cancer1otherF or in the appropriate ‘other’ variable field.**

Cancer type	Code
Bladder	1
Bowel/colorectal/rectal	2
Brain	3
Breast	4
Cervical/cervix	5
Kidney	6
Leukaemia	7
Liver	8
Lung	9
Lymphoma	10
Melanoma	11
Mesothelioma (protective lining of the lung, stomach, heart)	12
Multiple myeloma	13
Non-Hodgkin’s lymphoma	14
Oesophagus/gullet/food pipe	15
Oral/mouth/oropharynx/lips/tongue	16
Ovarian	17
Pancreatic	18
Prostate	19
Skin	20
Stomach	21
Testicular	22
Throat	23
Uterus/endometrial/womb	24
Other	25
Refusal	98
Don’t know	99

<p>Is there an NHS breast cancer screening programme?</p> <p><b>Variable name: BreastScreening</b></p>	Yes	No	Don't know
	3	2	1
	Age in years	Refused	Don't know
<p>If yes, at what age are women first invited for breast cancer screening? _____</p> <p>For the <b>age</b> component of this question, please record the <b>actual age</b> the respondent gave as the answer in the variable name.</p> <p><b>Variable name: BreastAge</b></p>		988	999
<p>Is there an NHS cervical cancer screening programme (smear tests)?</p> <p><b>Variable name: CervicalScreening</b></p>	Yes	No	Don't know
	3	2	1
	Age in years	Refused	Don't know
<p>If yes, at what age are women first invited for cervical cancer screening? _____</p> <p>For the <b>age</b> component of this question, please record the <b>actual age</b> the respondent gave as the answer in the variable name</p> <p><b>Variable name: CervicalAge</b></p>		988	999
<p>Is there an NHS bowel cancer screening programme?</p> <p><b>Variable name: BowelScreening</b></p>	Yes	No	Don't know
	3	2	1
	Age in years	Refused	Don't know
<p>If yes, at what age are people first invited for bowel cancer screening? _____</p> <p>For the <b>age</b> component of this question, please record the <b>actual age</b> the respondent gave as the answer in the variable name</p> <p><b>Variable name BowelAge</b></p>		988	999

Please put the following things in order of how much you think they contribute to cancer in the UK:

**Lifestyle** (e.g. smoking, diet, physical activity)

**Chance**

**Aging**

**Environmental factors** (e.g. pollution, radiation)

**Genetic inheritance** (e.g. runs in the family)

1. \_\_\_\_\_ (Most important)

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_ (Least important)

**Data archive:** Please use the following coding frame for transfer to the data archive –

Contributing factor	Corresponding variable name in EXCEL/SPSS data file	Code				
		Most	Second	Third	Fourth	Least
11i. Lifestyle	<b>Lifestyle</b>	1	2	3	4	5
11ii. Chance	<b>Chance</b>	1	2	3	4	5
11iii. Aging	<b>Aging</b>	1	2	3	4	5
11iv. Environment	<b>Environment</b>	1	2	3	4	5
11v. Genetic inheritance	<b>Genetic</b>	1	2	3	4	5

### Demographic Questions – Coding

1. What is your age?

Variable name: Age

2. What is your gender?
Variable name: Gender

Male	Female
1	2

3. Which of these best describes your ethnic group?
Variable name: EthnicGroup
To code an ethnic group that is not on the list code as ‘Other’ (code 16) and write the variable verbatim in: OtherEthnic

White		Mixed		Asian or Asian British		Black or Black British		Chinese/other	
White British	1	White and Black Caribbean	4	Indian	8	Black Caribbean	12	Chinese	15
White Irish	2	White and Black African	5	Pakistani	9	Black African	13	Other.....	16
Any other White background	3	White and Asian	6	Bangladeshi	10	Any other Black background	14		
		Any other Mixed background	7	Any other Asian background	11				

4. What is your marital status?
Variable name: MaritalStatus

Single/never married	Married/living with partner	Married separated from spouse	Divorced	Widowed	Civil partnership
1	2	3	4	5	6

5. What is the highest level of education qualification you have obtained?
Variable name: HighestEducation
To code an ethnic group that is not on the list code as ‘Other’ (code 7) and write the variable verbatim in: OtherEducation



- |   |  |
|---|--|
| 1 Degree or higher degree                           | 5 O Level or GCSE equivalent (Grade A - C) |
| 2 Higher education qualification below degree level | 6 O Level or GCSE (Grade D - G)            |
| 3 A-levels or higher                                | 7 Other .....                              |
| 4 ONC/BTEC  | 8 No formal qualifications                 |

**6. Please tick the box which best describes your living arrangement:**

Own outright	Own mortgage	Rent from Local Authority/Housing Association	Rent privately	Squatting	Other (e.g. living with family/friends)
1	2	3	4	5	6

**7. What is your Postcode?**

**Variable name: Postcode**

Please record the respondents postcode by writing it in the variable field labelled Postcode

**8. Are you currently:**

**Variable name: Employed**

- |                      |                               |
|----------------------|-------------------------------|
| 1 Employed full-time | 5 Full-time homemaker         |
| 2 Employed part-time | 6 Retired                     |
| 3 Unemployed         | 7 Student                     |
| 4 Self-employed      | 8 Disabled or too ill to work |

**9. Does your household own a car or van?**

**Variable name: Car**

No	Yes, one	Yes, more than one
1	2	3

**10. Have you, your family or close friends had cancer? (please tick all that apply)**

You	Yes	1	No	2	Close Friend	Yes	1	No	2
<b>CancerYou</b>					<b>CancerCloseFriend</b>				
Partner	Yes	1	No	2	Other Friend	Yes	1	No	2
<b>CancerPartner</b>					<b>CancerOtherFriend</b>				

Close family member	Yes	1	No	2	Not sure	99
<b>CancerCloseFamily</b>					<b>CancerNotSure</b>	
Other family member	Yes	1	No	2	Do not wish to answer	98
<b>CancerOtherFamily</b>					<b>CancerRefusal</b>	

#### 11. How many years have you been living in the UK?

Variable name: YearsUK

#### 12. What is the main language spoken at home?

Variable name: Language

To code an ethnic group that is not on the list code as 'Other' (code 7) and write the variable verbatim in: OtherLanguage

1	English	5	Sylheti
2	Urdu	6	Cantonese
3	Punjabi	7	Other.....
4	Gujarati		