<u>Variables in PALS Excel Database</u>

In many cases the Variable name for males and females is the same. Whether the answer is given by the male or the female is indicated by m (male) or f (female) at the end of the Variable name

A. CoupleID = ID of Couple - this was established at the female registration and so has an 'f' at the end e.g. P0001f

B. Dateintm = Date of Male interview

C. Maleage – male age at interview

D. Questcm = mode of completion of questionnaire:

   1=face to face, 2=telephone, 3=mail

E. Cobm = country of birth male:
   1. Australia
   2. United Kingdom
   3. Other English speaking country
   4. Italy
   5. Central Europe
   6. Greece
   7. Asia
   8. Other

F. YrMigrm = Year of migration (actual year given as two digits - 19xx)

G. Educasm (School Education)
   1. Form 6/Year 12 (full schooling)
   2. Form 4/Year 10
   3. Less than year 10

H. Educatm (post school education)
   1. Trade Training
   2. Formal tertiary training

I. Occup1m – occupations were coded according to the Australian Bureau of Statistics (ABS) Occupational classifications. The full codes are in the separate file Appendix 2. If a single figure in used, this indicates a general role in a particular group e.g '4' = general tradesperson.

J. Worksim = worksite
   1. Hospital ward

2. Hospital clinic

3. Laboratory

4. Shop

5. Factory

6. Office

7. Farm

8. Other

K. Occup2m – second occupation (if relevant)

L. Occup3m – third occupation (if relevant)

M. Hazocc1m – Is the occupation considered hazardous?

1. Yes, 0 = No

N. Hazoc2m – type of perceived hazard

1. Stress

2. Physical strain

3. Physical injury

4. Cytotoxic exposure

5. Chemical exposure

6. Anaesthetic gases

7. Radiation

8. Infectious diseases

9. VDU (Visual display unit)

10. Environment (dust, long hours, smell, noise)

11. Other

O. Postwkm = postcode at work – these are Australian postcodes, mostly in South Australia

Contact with any of the following?

P. Gaseswm = anaesthetic gas exposure at work (1=yes, 0 or blank =no)

Q. Gaseshom = anaesthetic gas exposure at home (1=yes, 0 or blank =no)

R. Gaseshbm = anaesthetic gas exposure in a hobby (1=yes, 0 or blank =no)

S. Herbwkm = Weedkillers at work (1=yes, 0 or blank =no)

T. Herbhom = weedkillers at home (1=yes, 0 or blank =no)

U. Herbhbm = weedkillers in a hobby (1=yes, 0 or blank =no)

V. Hiinswkm = high toxicity insecticide at work (1=yes, 0 or blank =no)

W. Hiinshom = high toxicity insecticide at home (1=yes, 0 or blank =no)

X. Hiisnhbm = high toxicity insecticide in a hobby (1=yes, 0 or blank =no)

Y.   Loinswokm = low toxicity insecticide at work (1=yes, 0 or blank =no)

Z.   Loinshom = low toxicity insecticide at home (1=yes, 0 or blank =no)

AA. Loinshbm = low toxicity insecticide in a hobby (1=yes, 0 or blank =no)

AB. Odinswkm = outdoor insecticide at work (1=yes, 0 or blank =no)

AC. Odinshom = outdoor insecticide at home (1=yes, 0 or blank =no)

AD. Odinshbm = outdoor insecticide in a hobby (1=yes, 0 or blank =no)

AE. Petrlwkm = Petroleum products at work (1=yes, 0 or blank =no)

AF. Petrlhof = petroleum products at home (1=yes, 0 or blank =no)

AG. Petrlhbm = petroleum products in a hobby (1=yes, 0 or blank =no)

AH. Drclwkm = dry cleaning products at work (1=yes, 0 or blank =no)

AI. Dryclhom = dry cleaning products at home (1=yes, 0 or blank =no)

AJ. Ovencwkm = oven cleaners at work (1=yes, 0 or blank =no)

AK. Ovenchom = oven cleaners at home (1=yes, 0 or blank =no)

AL. Resinwkm = resins at work (1=yes, 0 or blank =no)

AM. Resinhom = resins at home (1=yes, 0 or blank =no)

AN. Resinhbm = resins in a hobby (1=yes, 0 or blank =no)

AO. Paintwkm = paints at work (1=yes, 0 or blank =no)

AP. Painthom = paints at home (1=yes, 0 or blank =no)

AQ. Painthbm = paints in a hobby (1=yes, 0 or blank =no)

AR. Pthinwkm = paint thinners at work (1=yes, 0 or blank =no)

AS. Pthinhom = paint thinners at home (1=yes, 0 or blank =no)

AT. Pthinhbm = thinners in a hobby (1=yes, 0 or blank =no)

AU. Glueswkm = glues at work (1=yes, 0 or blank =no)

AV. Glueshom = glues at home (1=yes, 0 or blank =no)

AW. Glueshbm = glues in a hobby (1=yes, 0 or blank =no)

AX. Dyeswkm = dyes at work (1=yes, 0 or blank =no)

AY. Dyeshom = dyes at home (1=yes, 0 or blank =no)

AZ. Radiowkm = radioactivity at work (1=yes, 0 or blank =no)

BA. Radarwkm = radar at work (1=yes, 0 or blank =no)

BB. Radarhbf = radar in a hobby (1=yes, 0 or blank =no)

BC. Microwkm = microwaves at work (1=yes, 0 or blank =no)

BD. Microhom = microwaves at home (1=yes, 0 or blank =no)

BE. VDUswkM = VDUs at work (1=yes, 0 or blank =no)

BF. VDUshom = VDUs at home (1=yes, 0 or blank =no)

BG. VDUshbm = VDUs as a hobby (1=yes, 0 or blank =no)

BH. Freonwkm = Freon at work (1=yes, 0 or blank =no)

BI. Freonhom = Freon at home (1=yes, 0 or blank =no)

BJ. MEKwkm = MEK at work (1=yes, 0 or blank =no)

BK. MEKhom = MEK at home (1=yes, 0 or blank =no)

BL. MEKhbm = MEK as a hobby (1=yes, 0 or blank =no)

BM. Toluwkm = toluene at work (1=yes, 0 or blank =no)

BN. Toluhom = toluene at home (1=yes, 0 or blank =no)

BO. Toluhbm = toluene as a bobby (1=yes, 0 or blank =no)

BP. Trichwkm = trichloroethylene at work (1=yes, 0 or blank =no)

BQ. Xylolwkm = xylol at work (1=yes, 0 or blank =no)

BR. Xylolhom = xylol at home (1=yes, 0 or blank =no)

BS. Xylolhbm = xylol as a hobby (1=yes, 0 or blank =no)

BT. Benzwkm = benzene at work (1=yes, 0 or blank =no)

BU. Benzhom = benzene at home (1=yes, 0 or blank =no)

BV. Benzhbm = benzene as a hobby (1=yes, 0 or blank =no)

BW. Soluwkm = other solvent at work (1=yes, 0 or blank =no)

BX. Soluhom = other solvent at home (1=yes, 0 or blank =no)

BY. Soluhbm = other solvent as a hobby (1=yes, 0 or blank =no)

BZ. Lstckwkm = livestock at work (1=yes, 0 or blank =no)

CA. Lstckhom = livestock at home (1=yes, 0 or blank =no)

CB. Lstckhbm = livestock as a hobby (1=yes, 0 or blank =no)

CC. Mercwkm = mercury at work (1=yes, 0 or blank =no)

CD. Othchwom = Other chemicals at work (1=yes, 0 or blank =no)

CE. Othchhm = Other chemicals at home (1=yes, 0 or blank =no)

CF. Othchhbm = other chemicals as a hobby (1=yes, 0 or blank =no)

Activities undertaken for at least four hours each week, for at least six months in the last five years:

CG. Gardenm = gardening (1=yes, 0 or blank =no)

CH. Cleanm = housecleaning (1=yes, 0 or blank =no)

CI. Renovm = renovating (1=yes, 0 or blank =no)

CJ. Oilsm = oilpainting (1=yes, 0 or blank =no)

CK. Modelsm = model-making (1=yes, 0 or blank =no)

CL. Carmainm = car maintenance (1=yes, 0 or blank =no)

CM. TVm = watch TV (1=yes, 0 or blank =no)

CN. Otheracm = other activity – listed

CO. ExercisM = regular exercise (1=yes, 0 or blank =no)

CP. Sporty1M = Type of sport 1M

    1 = light (walking for pleasure, bicycling, cricket, rowing, canoeing, riding, bowling)

    2 = Moderate (brisk walking, golf, home exercise, dancing, tennis, weightlifting, basketball)

    3 = Intense (squash, running, soccer, circuit gym, swimming, aerobics, football, hockey)

CQ. Sporti1M = time playing sport 1M – hours per week

CR. Sporty2M = Second type of sport (coded as above)

CS. Sporti2M = time playing second sport – hours per week

CT. Smokem = Ever smoked male (1=yes, 0 or blank =no)

CU. Smokeagem = age started smoking – value is actual age

CV. Smoknumm = average number smoked – value is actual number

CW. Smoknowm = current smoking (1=yes, 0 or blank =no)

CX. Smnownum = number currently smoked – value is actual number

CY. Smokagsm = age at which stopped smoking – value is actual age

CZ. Smokpasm = are you currently exposed to 'passive smoking' (1=yes, 0 or blank =no)

DA. Alcoholm = frequency of alcohol drinking

1 = daily

2 = several times a week

3 = once a week

4 = less than once a week

5 = never

6 = no response

DB. Grassm = frequency of marijuana use

1. Regularly

2. Occasionally

3. Never

4. No response

DC. Tranquifm= do you ever use tranquilisers? (answer 1 or Y = yes, blank or 0 = no)

DD. Amphetam = amphetamine use (answers as DC)

DE. Barbitum = barbiturate use (answers as DC)

DF. Mushroom = magic mushroom use (answers as DC)

DG. CocaineM = cocaine use (answers as DC)

DH. HeroinM = heroin use (answers as DC)

DI. Othdrugm = other drug use (answers as DC)

DJ. Diabetem = diabetes history (1= yes, 0 or blank = 0)

DK. Diabtypem = Type of diabetes (1= insulin dependent, 2 = non-insulin dependent)

DL. Thyroidm = thyroid condition (1= yes, 0 or blank = 0)

DM. Thyrtypm = type of thyroid condition

1= Graves /overactive thyroid,

2 = Haskimoto disease,

3 = other or unknown)

DN. Adrenalm = adrenal condition (1= yes, 0 or blank = 0)

DO. Pituitam = pituitary problems (1= yes, 0 or blank = 0)

DP. Reprodum = reproductive problems (1= yes, 0 or blank = 0)

DQ. Reprtypm = type of male reproductive problem

1 = low sperm count (azoospermic or oligospermic)

2 = varicocele

3 = previous vasectomy

DR. Bpressum = high blood pressure (1= yes, 0 or blank = 0)

DS. Epilepsm = epilepsy (1= yes, 0 or blank = 0)

DT. Asthmam = asthma (1= yes, 0 or blank = 0)

DU. Cancerm = cancer (1= yes, 0 or blank = 0)

DV. Kidneydm = kidney disease (1= yes, 0 or blank = 0)

DW. Chroth1m = other chronic conditions

    1 = cardiovascular

    2 = reproductive

    3 = gut

    4 = kidney

    5 = respiratory (including allergies)

    6 = head

    7 = orthopaedic

    8 = psychiatric

    9 = skin

    10 = other

DX. Chroth2m = other chronic conditions – second condition – classifications 1-10 as above)

DY. XRaysM = X-rays in the past 5 years (1= yes, 0 or blank = 0)

DZ. XRaypa1M = part of body X-rayed 1 (1 = abdomen, 2 = teeth, 3 = other)

EA. ARaypa2M = part of body X-rayed 2 (1 = abdomen, 2 = teeth, 3 = other)

EB. Radrxm = ever been treated with Radiotherapy (1= yes, 0 or blank = 0)

EC. Cytotorxm = ever treated with cytotoxic therapy (1= yes, 0 or blank = 0)

ED. Inpatiem = ever inpatient in hospital (1= yes, 0 or blank = 0)

EE. Inpatilm = Reason for admission 1 M

      RS = Reproductive surgery

      SU = Surgery

      TN = trauma

      OT = other

EF. Inpati2m = Reason for admission (2)

EG. infchrom = chronic infection in the last five years (1= yes, 0 or blank = 0)

EH. Infch1m = type of chronic infection 1 M

      A = asthma

      B = bronchitis

C = cold sores (herpes)

D = dermatitis

E = excema

F = hayfever

G = migraine

H = skin problem

I = mouth ulcers

J = sinus

K = throat infections

O = other

EI. Infch2m = type of chronic infection 2 M

EJ. Prescrim = Prescription medicine M (1= yes, 0 or blank = 0)

EK. Presty1M = medicine type 1M

01 = analgesics

02 = antacids, antiflatulents

03 = antibiotics

04 = antimalarial

10 = eye drops

15 = muscle relaxant (norflex)

16 = steroids

20 = nasal spray (demazin)

30 = vitamins

31 = minerals

40 = antidiarrhoeals (lomotil)

41 = antimigraine

42 = asthma (vantolin, becotide, intal)

43 = antifungicides

44 = antihistamines

50 = cholesterol (clorfibrate)

51= corticosteroids (hydrocortisone)

55 = dermatitis (fluocortolone)

56 = diabetes (insulin)

60 = epilepsy

70 = rheumatoid arthritis

75 = thyroid (iodine, thyroxine)

99 = other

00 = unknown

EL. Prescty2M = medicine type 2M

EM. NonpresM = Non-prescription medicine (1= yes, 0 or blank = 0)

EN. Nonpty1M = non-prescription medicine type 1M

AG = analgesics

AF = antifungicides

AH = antihistamines

CA = calcium

CM = cough medicine

HB = herbal medicine (including royal jelly)

HP = homeopathic substances

IR = iron

LX = laxatives

MI = minerals

MV = multivitamins

ST = steroids

VA = vitamins A and D

VB = vitamin B

VC = vitamin C

VE = vitamin E

OH = other herbals

OP = other pharmaceuticals

EO. Nonpty2M = non-prescription medicine types 2M

AG = analgesics

AF = antifungicides

AH = antihistamines

CA = calcium

CM = cough medicine

HB = herbal medicine (including royal jelly)

HP = homeopathic substances

IR = iron

LX = laxatives

MI = minerals

MV = multivitamins

ST = steroids

VA = vitamins A and D

VB = vitamin B

VC = vitamin C

VE = vitamin E

OH = other herbals

OP = other pharmaceuticals

EP. Vasectom = Ever had vasectomy?

1 = Yes, 0 = No

EQ. Vasecrev = If yes, did you have a reversal of the vasectomy?

1 = Yes, 0 = No

ER. Semenexa = Have you had a semen examination in the last three years?

1 = Yes, 0 = No

ES. Semenre = If yes, what was the result?

1 = Normal

2 = Oligospermic (deficiency in number)

3 = Azoospermic (no sperm)

4 = Other

ET. STDm = Have you ever been diagnosed with a sexually transmitted disease?

1 = yes, 0 = No

EU. STD1m = If yes, what was it?

1. AIDS

2. Chlamydia/NSU

3. Gonorrhea

4. Herpes

5. Genital warts (Papilloma virus)

6. Syphilis

7. Trichomonas

8. Unknown

9. Other

EV. STD2m = if second infection what was it?

1. AIDS

2. Chlamydia/NSU

3. Gonorrhea

4. Herpes

5. Genital warts (Papilloma virus)

6. Syphilis

7. Trichomonas

8. Unknown

9. Other

EW. InfertM = Ever been told you were infertile?

1 = yes, 0 = no

EX. Infpr1m = what was the infertility problem?

1 = immotile sperm

2 = low sperm count

3. Sexual problem

4. Other

5. Unknown

EY. Infpr2m = second infertility problem?

1 = immotile sperm

2 = low sperm count

1. Sexual problem

2. Other

3. Unknown

EZ. Pregnumm = actual number of all previous pregnancies

FA. Pregparm = were all these pregnancies with your current partner?

0 = not relevant

Y = yes

N = no

FB. P1unplam = was pregnancy 1 unplanned?

Y = yes

N = no

FC. P1outm = outcome of first pregnancy

1. Single livebirth
2. Multiple birth
3. Stillbirth
4. Miscarriage
5. Ectopic/tubal pregnancy
6. Termination
7. Suspected or known abnormality
8. Don't know/no response

FD. PIlengthm = length of pregnancy 1 in weeks

FE. P1partnm = was your current partner also your partner in this pregnancy?

Y = yes

N = no

Or blank if not relevant

FF. P1sex1m = what was the sex of the child or first twin in this first pregnancy?

1. Female
2. Male
3. Don't know
4. No response

FG. P1sex2M = if twins, what was the sex of the second child?

FH. P1abnorm = Was there an abnormality present in the child?

Y = yes

N = no

FI. P1abtym = abnormality type (if one or more was present)

List the major organ affected or syndrome

Questions FJ to FQ = equivalent of questions FB to F1 but for second pregnancy, questions FR to FY are the equivalent for a third previous pregnancy and questions FZ to GG are the equivalent questions for a possible fourth previous pregnancy. In each variable name the numeral after P is changed to match the pregnancy.

GH. Congenam = Do you have a congenital abnormality?

Y = yes

N = no

GI. Congentypm = If yes, what type?

1 = congenital heart disease

2 = cleft lip/palate

3 = limb reduction

4 Other

GJ. Congenfm = Does any of your family members have a congenital defect?

1 = congenital heart disease

2 = cleft lip/palate

3 = limb reduction

4 = Down's syndrome

5 = Multiple defects

6 = other or unknown

GK. Famhormm = family had hormonal problems?

Y = yes, N = no

GL. Famstilm = family had a stillbirth?

Y = yes, N = no

GM. Famsidsm = Family had a case of SIDS?

Y = yes, N = no

GN. Fammiscm = Family had a miscarriage?

Y = yes, N = no

GO. Heightm = Male height in cms

GP. Weightm = Male weight in cms

GQ. MeatFi3M = Do you eat meat and or fish at least three days per week?

> 0 = no, 1 = yes

GR. Vegeta5M = Do you eat vegetables on at least five days each week?

> 0 = no, 1 = yes

GS. Fruits5M = Do you fruit on at least five days each week?

> 0 = no, 1 = yes

GT. Nuts5M = Do you consume nuts and/or seeds at least five days per week?

> 0 = no, 1 = yes

GU. BreadC5M = Do you consume bread and/or cereal at least five days a week?

> 0 = no, 1 = yes

GV. Dairy5M = Do you consume dairy products at least five days per week?

> 0 = no, 1 = yes

GW. Takeaw5M = Do you consume take-away meals five time each week or more?

> 0 = no, 1 = yes

GX. Vitami5M = Do you consume vitamins on at least five days per week?

> 0 = no, 1 = yes

GY. Chocol5M =Do you consume chocolate on at least five days each week?

> 0 = no, 1 = yes

GZ. Coffee5M = Do you consume coffee on at least five days each week?

> 0 = no, 1 = yes

HA. Instantm = approximate number of cups of instant coffee per week

HB. Percolam = approximate number of cups of percolated/expresso or equivalent coffee per week

HC. Decaffm = approximate number of cups of decaffeinated coffee per week

HD. Tea5M = Do you drink tea on at least five days each week?

> 0 = no, y = yes

HE. Teacupsm = approximate number of cups of tea per day

HF. Drinks3m = do you drink at least three non-alcoholic drinks (including water) per day?

HG. Drink 1m (for this and the next two questions)

Check the drinks that you consume at least three times each day:

1. Water
2. Soda or mineral water
3. Coca-cola
4. Diet coke
5. Other soft drinks
6. Other diet soft drinks
7. Cordial
8. Diet cordial
9. other

HH drinks 2m

HI drink 3 m

…………………………………. End of male specific questions ……………………………………………………………………….

The next section of the file includes test and outcome data:

Laboratory results female and male venous blood – these were only recorded on a small number of participants

HJ PHLevelFEM = pH level of female venous blood immediately after collection

HI Copperfem = copper level of female venous blood

HJ Zincfem = zinc level of female venous blood

HK Coppermale = copper level of male venous blood

HI Zincmale = zinc level of male venous blood

Pregnancy tests (HO to HW)

POSNEG (month 1 of trying), POSNEG2 (month 2 of trying) up to POSNEG9 (month 9 of trying)

According to the protocol, these would be (female) early morning urine samples – usually taken on the day that her menstrual bleeding would usually commence if she wasn't pregnant. If her period came on the morning or beforehand, a test was not undertaken and the result was indicated by the code **NA**. If a test was undertaken and was clearly negative, it was coded **N**, if it was clearly positive

it was coded **P** and if it was equivocal, it was labelled **PN** (pos-neg). Some women who missed sending their urines specimens but in whom pregnancy was confirmed were labelled **PBD** (pregnant by dates) and those who had their pregnancy confirmed by a serum test were labelled as **PS**. A few women on the program became pregnant through IVF (**PIV**) and a couple through artificial insemination (**PAI**).

For most analyses, it is easiest to re-code all entries as either **N** (negative) or **P** (pregnant) from the first letter of the codes but the extra information is given for added detail.

Pregnancy Outcome

HX Gestation = length of gestation in weeks – actual value

HY Sex (of baby): 1 = male, 2= female, 3 = unknown or indeterminate

HZ Weight = weight group

> A = unknown and includes all pregnancies less than 20 weeks gestation
>
> B = less than 3rd percentile
>
> C = between 3rd and 10th percentile
>
> D = between 10th and 50th percentile
>
> E = between 50th and 90th percentile
>
> F = between 90th and 97th percentile
>
> G = greater then 97th percentile

IA Congenital – either 0 or coded (740 – 759) according to the list of congenital abnormalities in *Appendix 1* at end of codes.

IB Modedeliv = mode of delivery

> A = normal
>
> B = instrument
>
> C = caesarean section
>
> D = breech
>
> E = nil (termination, miscarriage etc)

IC Babycondit = condition of baby

> A = livebirth

B = intrauterine death

C = stillbirth

D = neonatal death

E = ectopic

ID Twins

No = 0 and Yes = 1

………………………………………Start of female questionnaire …………………………………………

IE Status = classification of couple after 9 months (cases with rare outcomes were excluded)

5   = baby

6   = miscarriage (pregnancy loss less than 20 weeks)

11 = 9 months infertile

IF Dateintf = Date of female interview

IG Femaleage – female age at interview

IH Postcodf – postcode of residence

II Yrcodef – years lived at postcode

IJ Educatsf (School Education)

1= Form 6/Year 12 (full schooling)

2 = Form 4/Year 10

4   = Less than year 10

IK Educatrf

Number of years of Trade Training (f)

IL Educatef

Number of years of tertiary education (f)

IM Incomeho = Household income

1. $12,000 or less

2. $12,001 to $26,000

3. $26,001 to $50,000

4. $50,001 and over

5. No response

IN Incomehi = highest income

1. $12,000 or less
2. $12,001 to $26,000
3. $26,001 to $50,000
4. $50,001 and over
5. No response

IO Resadult = Number of adults who reside in the home

IP Reschild = Number of children who reside in the home

IQ Occup1f – With the exception of occupation '1' of 'Home Duties', occupations were coded according to the Australian Bureau of Statistics (ABS) Occupational classifications. The full codes are in the separate file Appendix 2. If a single figure in used, this indicates a general role in a particular group e.g '4' = general tradesperson.

IS Worksi1f = worksite

1. Hospital ward
2. Hospital clinic
3. Laboratory
4. Shop
5. Factory
6. Office
7. Farm
8. Other

IT Worksi2f = second worksite if relevant

IU Occup2f – second occupation (if relevant)

IV Occup3f – third occupation (if relevant)

IW PPirief – visits Port Pirie in the course of work (Y = yes)

IX PtStanf – visits Port Stanvac in the course of work (Y = yes)

IY Abattf – visits abattoirs in the course of work (Y = yes)

IZ FactoryF – visits factories in the course of work (Y = yes)

JA Chemplf – visits other chemical plants (Y = yes)

JB Hazocc1f – Is the occupation considered hazardous?

  1= Yes, 0 = No

JC Hazoc2f – type of perceived hazard

1= Stress

2   = Physical strain or injury

3   = Cytotoxic exposure/Chemical exposure/Anaesthetic gases

4   = Radiation

5   = Infectious diseases

6   = VDU (Visual display unit)

7   = physical environment (dust, long hours, smell, noise)

8   = Other

<u>Contact with any of the following substances?</u>

JD   Gaseswf = anaesthetic gas exposure at work (1=yes, 0 or blank =no)

JE   Gaseshof = anaesthetic gas exposure at home (1=yes, 0 or blank =no)

JF   Gaseshbf = anaesthetic gas exposure in a hobby (1=yes, 0 or blank =no)

JG   Herbwkf = Weedkillers at work (1=yes, 0 or blank =no)

JH   Herbhof = weedkillers at home (1=yes, 0 or blank =no)

JI   Herbhbf = weedkillers in a hobby (1=yes, 0 or blank =no)

JJ   Hiinswkf = high toxicity insecticide at work (1=yes, 0 or blank =no)

JK   Hiinshof = high toxicity insecticide at home (1=yes, 0 or blank =no)

JL   Hiisnhbf = high toxicity insecticide in a hobby (1=yes, 0 or blank =no)

JM   Loinswokf = low toxicity insecticide at work (1=yes, 0 or blank =no)

JN   Loinshof = low toxicity insecticide at home (1=yes, 0 or blank =no)

JO   Loinshbf = low toxicity insecticide in a hobby (1=yes, 0 or blank =no)

JP   Otinswkf = outdoor insecticide at work (1=yes, 0 or blank =no)

JQ   Otinshof = outdoor insecticide at home (1=yes, 0 or blank =no)

JR   Otinshbf = outdoor insecticide in a hobby (1=yes, 0 or blank =no)

JS   Petrlwkf = Petroleum products at work (1=yes, 0 or blank =no)

JT. Petrlhof = petroleum products at home (1=yes, 0 or blank =no)

JU. Petrlhbf = petroleum products in a hobby (1=yes, 0 or blank =no)

JV. Drclwkf = dry cleaning products at work (1=yes, 0 or blank =no)

JW. Dryclhof = dry cleaning products at home (1=yes, 0 or blank =no)

JX. Dryclhbf = dry cleaning products as a hobby (1=yes, 0 or blank =no)

JY. Ovencwkf = oven cleaners at work (1=yes, 0 or blank =no)

JZ. Ovenchof = oven cleaners at home (1=yes, 0 or blank =no)

KA. Ovenchbf = oven cleaners in a hobby (1=yes, 0 or blank =no)

KB. Resinwkf = resins at work (1=yes, 0 or blank =no)

KC. Resinhof = resins at home (1=yes, 0 or blank =no)

KD. Resinhbf = resins in a hobby (1=yes, 0 or blank =no)

KE. Paintwkf = paints at work (1=yes, 0 or blank =no)

KF. Painthof = paints at home (1=yes, 0 or blank =no)

KG. Painthbf = paints in a hobby (1=yes, 0 or blank =no)

KH. Pthinwkf = paint thinners at work (1=yes, 0 or blank =no)

KI. Pthinhof = paint thinners at home (1=yes, 0 or blank =no)

KJ. Pthinhbf = thinners in a hobby (1=yes, 0 or blank =no)

KK. Glueswkf = glues at work (1=yes, 0 or blank =no)

KL. Glueshof = glues at home (1=yes, 0 or blank =no)

KM. Glueshbf = glues in a hobby (1=yes, 0 or blank =no)

KN. Dyeswkf = dyes at work (1=yes, 0 or blank =no)

KO. Dyeshof = dyes at home (1=yes, 0 or blank =no)

KP. Dyeshof = dyes as a hobby (1=yes, 0 or blank =no)

KQ. Radiowkf = radioactivity at work (1=yes, 0 or blank =no)

KR. Radiohof = radioactivity at work (1=yes, 0 or blank =no)

KS. Radiohbf = radioactivity at work (1=yes, 0 or blank =no)

KT. Radarwkf = radar at work (1=yes, 0 or blank =no)

KU Radarhof = radar at home (1=yes, 0 or blank =no)

KV Radarhbf = radar in a hobby (1=yes, 0 or blank =no)

KW. Microwkf = microwaves at work (1=yes, 0 or blank =no)

KX. Microhof = microwaves at home (1=yes, 0 or blank =no)

KY. Microhbf = microwaves in a hobby (1=yes, 0 or blank =no)

KZ. VDUswkf = VDUs at work (1=yes, 0 or blank =no)

LA. VDUshof = VDUs at home (1=yes, 0 or blank =no)

LB. VDUshbf = VDUs as a hobby (1=yes, 0 or blank =no)

LC. Permswkf = Perms at work (1=yes, 0 = no)

LD. Permshmf = Perms at home (1=yes, 0 = no)

LE. Permshbf = Perms in a hobby (1=yes, 0 = no)

LF. HDyeswkf = hair-dyes at work (1=yes, 0 = no)

LG. HDyeshmf = hair dyes at home (1=yes, 0 = no)

LH. HDyeshbf = hair dyes in a hobby (1=yes, 0 = no)

LI. Freonwkf = Freon at work (1=yes, 0 or blank =no)

LJ. Freonhof = Freon at home (1=yes, 0 or blank =no)

LK. Freonhbf = Freon in a hobby (1=yes, 0 or blank = no)

LL. MEKwkf = MEK at work (1=yes, 0 or blank =no)

LM. MEKhof = MEK at home (1=yes, 0 or blank =no)

LN. MEKhbmf = MEK as a hobby (1=yes, 0 or blank =no)

LO. Toluwkf = toluene at work (1=yes, 0 or blank =no)

LP. Toluhof = toluene at home (1=yes, 0 or blank =no)

LQ. Toluhbf = toluene as a bobby (1=yes, 0 or blank =no)

LR. Trichwkf = trichloroethylene at work (1=yes, 0 or blank =no)

LS. Trichhof = trichloroethylene at home (1=yes, 0 or blank =no)

LT. Trichhbf = trichloroethylene in a hobby (1=yes, 0 or blank =no)

LU. Xylolwkf = xylol at work (1=yes, 0 or blank =no)

LV. Xylolhof = xylol at home (1=yes, 0 or blank =no)

LW. Xylolhbf = xylol as a hobby (1=yes, 0 or blank =no)

LX. Benzwkf = benzene at work (1=yes, 0 or blank =no)

LY. Benzhof = benzene at home (1=yes, 0 or blank =no)

LZ. Benzhbf = benzene as a hobby (1=yes, 0 or blank =no)

MA. Soluwkf = other solvent at work (1=yes, 0 or blank =no)

MB. Soluhof = other solvent at home (1=yes, 0 or blank =no)

MC. Soluhbf = other solvent as a hobby (1=yes, 0 or blank =no)

MD. Lstckwkf = livestock at work (1=yes, 0 or blank =no)

ME. Lstckhof = livestock at home (1=yes, 0 or blank =no)

MF. Lstckhbf = livestock as a hobby (1=yes, 0 or blank =no)

MG. Mercwkf = mercury at work (1=yes, 0 or blank =no)

MH. Merchof = mercury at work (1=yes, 0 or blank =no)

MI. Merchbf = mercury at work (1=yes, 0 or blank =no)

MJ. Wantwof = white ant at work (1=yes, 0 or blank =no)

MK. Wanthof = white ant at home (1=yes, 0 or blank =no)

ML. Wanthbf = white ant in a hobby(1=yes, 0 or blank =no)

MM. Othchwof = Other chemicals at work (1=yes, 0 or blank =no)

MN. Othchhf = Other chemicals at home (1=yes, 0 or blank =no)

MO. Othchhbf = other chemicals as a hobby (1=yes, 0 or blank =no)

Activities undertaken for at least four hours each week, for at least six months in the last five years:

MP. Gardenf = gardening (1=yes, 0 or blank =no)

MQ. Cleanf = housecleaning (1=yes, 0 or blank =no)

MR. Renovf = renovating (1=yes, 0 or blank =no)

MS. Oilsf = oilpainting (1=yes, 0 or blank =no)

MT. Modelsf = model-making (1=yes, 0 or blank =no)

MU. Carmainf = car maintenance (1=yes, 0 or blank =no)

MV. Potteryf = pottery (1=yes, 0 or blank = no)

MV. TVf = watch TV (1=yes, 0 or blank =no)

MW. Otheracf = other activity – listed

MX: Heatbed = do you sleep in a heated bed? (1 = yes, 0 or blank = no)

MY: Cats = do you have a cat or cats at home? (1 = yes, 0 or blank = no)

MZ: Dogs = do you have a dog or dogs at home? (1 = yes, 0 or blank = no)

NA: Birds = do you have a caged bird or birds at home? (1 = yes, 0 or blank = no)

NB: Poultry = do you have ducks and/or chickens at home? (1 = yes, 0 or blank = no)

NC: Othmamm = do you have other mammals/marsupials at home? (1 = yes, 0 or blank = no)

ND: Fish = do you have reptiles and/or fish at home? (1 = yes, 0 or blank = no)

NE: Cleanair = does the air around your home always smell clean? (1 = yes, 0 or blank = no)

NF: Sporty1F = type of exercise or sport:

1. = light (e.g. walking for pleasure), bicycling, canoeing or rowing for pleasure, horseback riding, bowling)
2. = moderate (e.g. brisk walking, golf, home exercises, dancing, gardening, surfing, weight-lifting, tennis, social netball etc)
3. = heavy/intense (e.g. swimming, squash, jogging, aerobics, soccer)

NG. Sporti1F = time playing sport 1F – hours per week

NH. Sporty2F = Second type of sport (coded as above)

NI. Sporti2F = time playing second sport – hours per week

NJ. Smokeagef = age started smoking – value is actual age or blank if never smoked

NK. Smoknumf = average number smoked – value is actual number

NL. Smnownuf = number currently smoked – value is actual number

NM. Smokagsf = age at which stopped smoking – value is actual age

NO. Smokpasf = are you currently exposed to 'passive smoking' (1=yes, 0 or blank =no)

NP. Alcholf = frequency of alcohol drinking

    1 = daily

2 = several times a week

3 = once a week

4 = less than once a week

5 = never

6 = no response

NQ. Grassf = frequency of marijuana use

1   Regularly

9   Occasionally

10   Never

11   No response

NR. Tranquif = do you ever use tranquilisers? (answer 1 or Y = yes, blank or 0 = no)

NS. Amphetaf = amphetamine use (answers as DC)

NT. Barbituf = barbiturate use (answers as DC)

NU. Mushroof = magic mushroom use (answers as DC)

NV. Cocainef = cocaine use (answers as DC)

NW. LSDf = LSD use (answers as DC)

NX. Heroinf = heroin use (answers as DC)

NY. Othdrugf = other drug use (answers as DC)

NZ. Diabetef = diabetes history (1= yes, 0 or blank = 0)

OA. Diabtypef = Type of diabetes (1= insulin dependent, 2 = non-insulin dependent)

OB. Thyroidf = thyroid condition (1= yes, 0 or blank = 0)

OC. Thyrtypf = type of thyroid condition

1= Graves /overactive thyroid,

2 = Haskimoto disease,

3 = other or unknown)

OD. Adrenalf = adrenal condition (1= yes, 0 or blank = 0)

OE. Pituitaf = pituitary problems (1= yes, 0 or blank = 0)

OF. Reproduf = reproductive problems (1= yes, 0 or blank = 0)

OG. Reprtypf = type of female reproductive problem

1   = hormonal problems

2   = amenorrhea

3   = endometriosis

4   = tubal damage, PID

5   = uterine problems (prolapase, fibroids etc)

6   = ovarian cyst (non endometrial)

7   = adhesions

9= other

OH. Bpressuf = high blood pressure (1= yes, 0 or blank = 0)

OI. Epilepsf = epilepsy (1= yes, 0 or blank = 0)

OJ. Asthmaf = asthma (1= yes, 0 or blank = 0)

OK. Cancerf = cancer (1= yes, 0 or blank = 0)

OL. Kidneydf = kidney disease (1= yes, 0 or blank = 0)

OM. Chroth1f = other chronic conditions

1 = cardiovascular

2 = reproductive

3 = gut

4 = kidney

5 = respiratory (including allergies)

6 = head

7 = orthopaedic

8 = psychiatric

9 = skin

10 = other

ON. Chroth2f = other chronic conditions – second condition – classifications 1-10 as above)

OO. XRaysf = X-rays in the past 5 years (1= yes, 0 or blank = 0)

OP. XRaypa1f = part of body X-rayed 1 (1 = abdomen, 2 = teeth, 3 = other)

OQ. ARaypa2f = part of body X-rayed 2 (1 = abdomen, 2 = teeth, 3 = other)

OR. Radrxf = ever been treated with Radiotherapy (1= yes, 0 or blank = 0)

OS. Cytotorxf = ever treated with cytotoxic therapy (1= yes, 0 or blank = 0)

OT. Inpatiem = ever inpatient in hospital (1= yes, 0 or blank = 0)

OUInpatiIm = Reason for admission 1 M

RS = Reproductive surgery

RN = Reproductive (non surgery)

SU = Surgery (other)

TN = trauma

OT = other – childbirth is not coded

OV. Inpati2m = Reason for admission (2)

OW. infchrof = chronic infection in the last five years (1= yes, 0 or blank = 0)

OX. Infch1f = type of chronic infection 1 f

        A = bronchitis

        B = candida

        C = cold sores (herpes simplex)

        D = cystitis, urinary tract infection (UTI)

        E = hayfever

        F = irritable bowel syndrome (IBS)

        G = migraine

        H = mouth ulcers

        I = sinus

        J = skin problems (rash, dermatitis, excema, hives, boils, impetigo)

        K = throat infections

        Z = other

OY. Infch2f = type of chronic infection 2 M

OZ. Prescrif = Prescription medicine f (1= yes, 0 or blank = 0)

PA. Presty1f = medicine type 1f

        01 = analgesics

        02 = antacids, antiflatulents

        03 = antibiotics

        04 = antimalarial

        10 = eye drops

        15 = muscle relaxant (norflex)

        20 = nasal spray (demazin)

        25 = oral contraceptives

        26 = ovulation stimulation (clomid, hormone cocktail, duphaston, primolut)

        30 = vitamins/minerals

        40 = antidiarrhoeals (lomotil etc)

        41 = antimigraine

        42 = asthma (vantolin, becotide, intal)

        43 = antifungicides

        44 = antihistamines

        50 = cholesterol (clorfibrate)

51= corticosteroids (hydrocortisone)

55 = dermatitis (fluocortolone)

56 = diabetes (insulin)

60 = epilepsy

70 = rheumatoid arthritis

75 = thyroid (iodine, thyroxine)

99 = other

88 = unknown

PB. Prescty2f = medicine type 2f

PC. Nonpresf = Non-prescription medicine (1= yes, 0 or blank = 0)

PD. Nonpty1f = non-prescription medicine type 1f

AG = analgesics

AF = antifungicides

AH = antihistamines

AM = antiemetic

BD = cough medicine

BS = nasal spray/drops

HB = herbal medicine (including royal jelly)

HP = homeopathic substances

IR = iron

LX = laxatives

MI = minerals

MV = multivitamins

ST = steroids

VA = vitamins A and D

VB = vitamin B

VC = vitamin C

VE = vitamin E

MC = calcium

MI = iron

OH = other herbals

OP = other pharmaceuticals

PE. Nonpty2f = non-prescription medicine types 2f

AG = analgesics

AF = antifungicides

AH = antihistamines

CA = calcium

CM = cough medicine

HB = herbal medicine (including royal jelly)

HP = homeopathic substances

IR = iron

LX = laxatives

MI = minerals

MV = multivitamins

ST = steroids

VA = vitamins A and D

VB = vitamin B

VC = vitamin C

VE = vitamin E

OH = other herbals

OP = other pharmaceuticals

Female Reproductive History

PF. Papsmear = Time of last papsmear (in years)

PG. Papabnorm = History of abnormal smears

     1 = Yes, 0 = No

PH. Chlamydi = Have you a history of Chlamydia infection?

     1 = Yes, 0 = No

PI. Genwarts = History of genital warts?

     1 = Yes, 0 = No

PJ. PID = History of P.I.D.?

     1 = Yes, 0 = No

PK. Dysplasi = History of dysplasia?

     1 = Yes, 0 = No

PL. Cervical = History of cervical cancer?

       1 = Yes, 0 = No

PM. STDF = History of STDs

PN. STD1f = If yes, what was it?

1. AIDS
2. Chlamydia/NSU
3. Gonorrhea
4. Herpes
5. Genital warts (Papilloma virus)
6. Syphilis
7. Trichomonas
8. Unknown
9. Other

PO. STD2f = if second infection what was it?

1. AIDS
2. Chlamydia/NSU
3. Gonorrhea
4. Herpes
5. Genital warts (Papilloma virus)
6. Syphilis
7. Trichomonas
8. Unknown
9. Other

PP. Menarche = age at first period

       Actual age is recorded

PQ. RegularP = Do you have regular periods

       Answer recorded as Y or N

PR. Avdaysp = average days of period

       Normal period length (days) e.g. 28 is recorded

PS. Maxdaysp = maximum length of period (days)

PT . Mindaysp = minimum length of period (days)

PU. Sexfreq = frequency of sexual intercourse – average number of times per week

PV. Spermici = ever used spermicides- Y or blank

PW. Barrier = ever used barrier contraception – Y or blank

PX. Rhythm = ever used rhythm method – Y or blank

PY. Withdraw = ever used withdrawal method – Y or blank

PZ. Tuballig = ever had a tubal ligation? Y or blank

QA. EverIUD = ever had an IUD device inserted? Y or blank

QB. IUDtype1 = type of first IUD

    1 = copper 7

    2 = copper T or Tatum T

    3 = Dalkon shield

    4 = Lippes loop

    5 = plastic thurcon

    6 = Progestart-T

    7 = Saf-t-coils

    8 = don't know

    9 = other

QC. IUD type 2 = type of second IUD (code as above)

QD. IUD1REM1 = why was IUD 1 removed?

    1 = removed because of symptoms (pain, infection and/or bleeding)

    2 = removed without any negative symptoms (plan pregnancy or change method)

QE. IUDREMS = why was IUD2 removed? (code as above)

QF. OCS = Ever used oral contraceptive for 6 months or more?

    Y = yes, N or blank = No

QG. Oclonges = longest period of continuous use of oral contraception?

    Answer is time in years

QH. Depoprov = ever used Depoprovera?

Y = yes, N or blank = No

QI. InfertF = history of infertility?

Y = yes, N or blank = No

QJ. InfodocF = Did you see a doctor for infertility?

Y = yes, N or blank = No

QK. Infpro1F = Infertility problem (female factor)

A = amenorrhea (absent periods)

E = endometriosis

H = Hormonal female factor

T = tubal factor

O = other

U = unknown /unexplained

QL. Infpro2F = Infertility problem (male factor)

I = immotile sperm

L = low sperm count

S = sexual problem

O = other

U = unknown

QM. Pregnumf = actual number of all previous pregnancies

QN. P1unplaf = was pregnancy 1 unplanned?

Y = yes

N = no

QO. P1outf = outcome of first pregnancy

1   Single livebirth

2.   Multiple birth

3.   Stillbirth

4. Miscarriage

5. Ectopic/tubal pregnancy

6. Termination

7. Suspected or known abnormality

8. Don't know/no response

QP. P1AgeF = age at first pregnancy outcome

QR. PIlengthf = length of pregnancy 1 in weeks

QS. P1partnf = was your current partner also your partner in this pregnancy?

Y = yes

N = no

Or blank if not relevant

QT. sex1f = what was the sex of the child or twin 1 in this first pregnancy?

5. Female

6. Male

7. Don't know

8. No response

QU. P1sex2f = if twins, what was the sex of the second child?

QV. P1abnorf = Was there an abnormality present in the child?

Y = yes

N = no

QR. P1abtyf = abnormality type (if one or more was present)

List the major organ affected or syndrome

Questions QS to RD = equivalent of questions QN to QR but for second pregnancy. In each variable name the numeral after P is changed to match the pregnancy.

RE. Heightf = Female height in cms

RF. Weightf = Female weight in cms

RG. MeatFi3f = Do you eat meat and or fish at least three days per week?

0 = no, 1 = yes

RH. Vegeta5f = Do you eat vegetables on at least five days each week?

0 = no, 1 = yes

RI. Fruits5f = Do you fruit on at least five days each week?

0 = no, 1 = yes

RJ. Nuts5f = Do you consume nuts and/or seeds at least five days per week?

0 = no, 1 = yes

RK. BreadC5f = Do you consume bread and/or cereal at least five days a week?

0 = no, 1 = yes

RL. Dairy5f = Do you consume dairy products at least five days per week?

0 = no, 1 = yes

RM. Takeaw5f = Do you consume take-away meals five time each week or more?

0 = no, 1 = yes

RN. Vitami5f = Do you consume vitamins on at least five days per week?

0 = no, 1 = yes

RO. Chocol5f =Do you consume chocolate on at least five days each week?

0 = no, 1 = yes

RP. Coffee5f = Do you consume coffee on at least five days each week?

0 = no, 1 = yes

RQ. Decafff = approximate number of cups of decaffeinated coffee per week

RR. Instantf = approximate number of cups of instant coffee per week

RS. Percolaf = approximate number of cups of percolated/expresso or equivalent coffee per week

RT. Tea5f = Do you drink tea on at least five days each week?

0 = no, y = yes

RU. Teacupsf = approximate number of cups of tea per day

RV. Drink 1f (for this and the next two questions)

Check the drinks that you consume at least three times each day:

1. Water
2. Soda or mineral water

3. Coca-cola
4. Diet coke
5. Other soft drinks
6. Other diet soft drinks
7. Cordial
8. Diet cordial
9. Other

RW = drinks 2f

RX = drink 3 f

Appendix 1:

Congenital abnormality code:

ICD-9 Code	Congenital Abnormality
740	Anencephalus and similar abnormalities
741	Spina bifida
742	Other congenital abnormalities of the nervous system
743	Congenital abnormalities of the eye
744	Congenital abnormalities of the ear, face, neck
745	Bulbus cordis anomalies and septal closure
745.4	Ventricular septal defect or other related defect
746	Other congenital abnormalities of the heart
747	Other anomalies of the circularity system
748	Other anomalies of the respiratory system
750	Other anomalies of the upper alimentary tract
751	Other anomalies of the digestive system
752	Congenital anomalies of the genital organs 752.5 Undescended testicles 752.6 Hypospadias and epispadias
753	Congenital anomalies of the urinary system
754	Certain congenital musculoskeletal anomalies 754.3 Congenital dislocation of the hip Other 754
755	Other congenital abnormalities of the limbs
756	Other congenital musculoskeletal anomalies
757	Congenital abnormalities of the integument
758	Chromosomal abnormalities 758.0 Down syndrome
759	Other an unspecified congenital anomalies