INFORMATION, GOVERNANCE AND SECURITY (IGS)

DIRECTORATE

FAMILY RESOURCES SURVEY

2010-11

Dataset and Changes

Twelve-month User Consultation

INDEX

Introduction

This summary report is produced in conjunction with the 2009-10 Family Resources Survey (FRS) and provides users with detailed information on proposed changes to:-

> ➢ Dataset structure

> ➢ Variables

> ➢ Treatment within Processing (validation, editing and derivation of variables)

> ➢ Methodology

The information provided in this report should be used in conjunction with the standard FRS documentation, which can be accessed via the FRS Link Page at: http://51.127.145.11/asd3/web/frs/

Interviewers guide to changes in metadata

Six and twelve month test versions of the dataset can be made available upon request and upon completion of a data testing agreement.

If at any point you would like to discuss any issues or require further information or clarification, please contact one of the FRS team in Incomes Monitoring (via email to: team.frs@dwp.gsi.gov.uk).

The FRS data processing team is:

Julie Sullivan	(Team Leader, Data Release Protocols, Publication)
David Evans	(Validation, Methodology, Analysis)
Rupesh Vekaria	(Imputation, Derived Variables)
Ian Herring	(Benefit Editing, Data Access)

DATA structure

There were no major structural changes made to the Family Resources Survey dataset in 2010-11.

Overview of variable changes

The variable changes are listed below with reference to the relevant page in the *'Interviewers Guide to Changes'* listed in brackets, which will provide further detail.

Changes in the Family Resources Survey (FRS) data can affect three main areas of processing:-

- ➢ Editing
- ➢ Imputation
- ➢ Derived variables

Information on all the changes to the questionnaire for 2010-11 can be found in the document 'Interviewers Guide to Changes'. New and deleted questions are highlighted below (i.e. new variables and removed variables). Full details on how changes to the questionnaire have been treated within the dataset are provided in the 'Treatment within processing" section of this report.

New questions
- Income received by trainees from Government Training Schemes (3i, page 54)
- Additional child material deprivation questions (3g, page 51)
- Receipt and value of alimony payments (3e, page 44)
- Size and sector of organisation (3b, page 27)
- Company cars and fuel for private use (3b, page 36)
- Prescriptions (2t, page 20)

Deleted questions
- Confirmation of difference between Housing Benefit and rent (LHAEXs and LHALess) (2o, page 14)
- Components of pensions (3d, page 41)

Following a review in Summer 2009 of variables used by key FRS customers, the following questions will be removed from the questionnaire

QUESTION	QUESTION	QUESTION
BENCCDIS	INCMSTYR	NTCDAT
CHWKERN	INTRU	NTCINC
CHWKTST	INTRUPD	NMCHC
CHYRERN	INTRUS	OTHPUR3
CHYRTST	INSTYPE	POSOUR
EDINT	ISSDATE	RENTFROM
EDMONYR	INCOLD	STARTYR
EDTIME	LNRPINT	TRIGHTS
ENDYR	LOANGVN	WATDID
EXRENT	LOANREC	WATPREV
GRSOFAR	LOWSHORT	WHERE
	MENSTYR	WHYNOPRO

Treatment within processing

Changes in the information collected and the structure of that information needs to be taken into account within the processing of the FRS dataset. Most of these changes can be treated by introducing new systems or through extending our current methodologies, and are detailed in this section across the four processing areas:-

➢ Benefit Editing

➢ Non-Benefit Editing

➢ Imputation

➢ Derived Variables

BENEFIT EDITING

The amount of Pension Credit (PC) paid to those reporting receipt but not reporting an amount has been edited using a Pension Credit calculator. Previously, these amounts were systematically edited to the standard rate of PC Guaranteed element only.

'Paid by absent partner' and 'paid by employer' have been added to the category of households without liability for Council Tax when considering Council Tax

Benefit editing. Previously only households with a formal exemption were considered without liability.

Winter Fuel Payment editing has been adapted to take into account the effect of the raising of minimum retirement age for state pension.

Social Fund repayment & third party deductions amounts from Employment and Support Allowance added to the dataset. Editing of missing and refusal to answer responses carried out using same methodology as for JSA/IS/PC.

NON-BENEFIT EDITING

The following changes were made to the non-benefit editing:

- Identification of outliers

Potential outliers in the dataset have historically been identified in two separate batches, first six months and then the second six months. This leads to a potential issue whereby a case in the first six months may not be considered an outlier when only looking at six months worth of data, but may be considered so when investigating the full dataset.

To ensure resource is targeting the most extreme cases within the entire twelve month dataset, the process was altered to take this into account. Rather than conduct the second round of outliers on only the second six months worth of data, the second round was conducted on the full twelve month dataset, giving a more consistent approach as to which cases are identified for investigation.

- New checks were added to cover the situations:
  o Where more than £1200 has been paid into a child trust fund (max allowable is £1200 per year)
  o AA recipients who are too young to be receiving AA
  o Where a recipient of State Pension is below State Pension age
  o Where type of education is not reasonable given the age of the adult
  o Where IB or ESA recipients who are earning above the permitted amounts
  o Where the previous job finished after the current job
  o Where ACCJOB = 1 but none of the ACCJBP01 - ACCJBP14 variables are 1
  o Where a child receiving Healthy Start Vouchers is too old
  o Where respondent has indicated they receive Housing Benefit, but there is zero Housing Benefit in payment
  o Where imputed Northern Ireland rebates exceed rate liability

- Inclusion of additional period codes.

Certain variables within the pension and renter table all used the same period code as in general they seldom changed. However to ensure greater accuracy we have now included individual period codes for each variable as outlined below:

Variable name	Old period code	New period code
PenPay	PenPD	PenPD
PTAmt	PenPD	PenPD1
POAmt	PenPD	PenPD2
Rent	RentPD	RentPD
RentFull	RentPD	RentPD1
WSIncAmt	RentPD	RentPD2

IMPUTATION

The following changes have been made to the imputation process.

Bulk Edits

Changes to existing edits

TABLE	VARIABLE	LABEL	DESCRIPTION
ADULT	ED1INT	Whether the 1st loan carries interest	Variable dropped
ADULT	ED2INT	Whether the 2nd loan carries interest	Variable dropped
ADULT	EDTIME	Hours of study: daytime/evenings	Variable dropped
ADULT	ETHGRP	Ethnic group	New category added so impute to 16 (Any other)
ADULT	NITRAIN	Whether on Govt. training scheme	New categories added so impute to 12 (None of these) if GTA not equal to 1 else impute to 11 (Any other training scheme) if GTA equal to 1
ADULT	TRAIN	Whether on govt training scheme	New categories added so impute to 13 (None of these) if GTA not equal to 1 else impute to 12 (Any other training scheme) if GTA equal to 1
ADULT	WMKIT	Pints welfare milk received in last week	Variable dropped
CHILD	CHEARNS2	Child Earnings: Employment training	Previous years CHEARNS2 is now CHEARNS3 - both impute to 2
CHILD	WMKIT	Pints welfare milk received in last week	Variable dropped
CHLDCARE	BENCCDIS	Does benefit account for childcare cost	Variable dropped
HOUSEHOL	ROOMSHAR	No. rooms shared with non hh member	Variable dropped
HOUSEHOL	WELFMILK	Whether anyone had free welfare milk	Variable dropped
HOUSEHOL	WHYNOCT	Reason for paying no Council Tax	New categories added so impute to 8 (Other reason)

TABLE	VARIABLE	LABEL	DESCRIPTION
JOB	NMCHC	Whether work more hours if child care	Variable dropped
JOB	WHYNOPRO	Why unable to give profit figure	Variable dropped
JOB	WHYNOU11	Why last pay not usual: other	Previous years WhyNoU11 is now WhyNoU14 which is imputed to 1 while the other WhyNoU's are imputed to 2
MORTGAGE	EXRENT	Whether renting house/flat before buying	Variable dropped
MORTGAGE	INTRU	Usual amount of instalment on the loan	Variable dropped
MORTGAGE	INTRUS	Whether last instalment usual	Variable dropped
OWNER	OTHPUR31	Reason for loan: improvements	Variable dropped
OWNER	OTHPUR32	Reason for loan: purchase of items	Variable dropped
OWNER	OTHPUR33	Reason for loan: interest rates	Variable dropped
OWNER	OTHPUR34	Reason for loan: business	Variable dropped
OWNER	OTHPUR35	Reason for loan: buy out of share	Variable dropped
OWNER	OTHPUR36	Reason for loan: essential repairs	Variable dropped
OWNER	OTHPUR37	Reason for loan: other	Variable dropped
PENSION	POSOUR	Whether other deduction made at source	Variable dropped
RENTER	LOWSHORT	Is this a low season let	Variable dropped

New edits

TABLE	VARIABLE	LABEL	DESCRIPTION
ADULT	ALIMNY	Whether in receipt of maintenance for self	Impute to No
ADULT	ALIUS	Maintenance for self - whether usual amt	Impute to Yes
CHILD	CHEARNS3	Child Earnings: Trust	Impute to No
HOUSEHOL	HLTHST	Whether anyone has healthy start vouchers	Impute to No
JOB	WHYNOU12	Why last pay not usual: deduction of pay due to absence	Impute to No
JOB	WHYNOU13	Why last pay not usual: Work hours/Pay ALWAYS varies	Impute to No
JOB	WHYNOU14	Why last pay not usual: other	Impute to Yes
JOB	CARCON	Whether made a contribution to cost of company car	Impute to No

Algorithms

Changes to existing edits

TABLE	VARIABLE	LABEL	DESCRIPTION
ASSETS	ISSDATE	Date NSC issued	Variable dropped
HOUSEHOL	ORGSEWAM	Dom. Sew. Ch. orig entry before discount	Variable dropped
HOUSEHOL	ORGWATAM	Dom. Wat. Ch. orig entry before discount	Variable dropped
MORTGAGE	INTRU	Usual amount of instalment on the loan	Variable dropped

There were no new edits introduced within algorithms.

Hotdecks

Changes to existing edits

TABLE	VARIABLE	LABEL	DESCRIPTION
ADULT	LN1RPINT	1st loan repayment incl interest/capital	Variable dropped

TABLE	VARIABLE	LABEL	DESCRIPTION
ADULT	LN2RPINT	2nd loan repayment incl interest/capital	Variable dropped
ADULT	NTCINC	Total income for NTC award	Variable dropped
ASSETS	ISSDATE	Date NSC issued	Variable dropped
CHILD	CHWKERN	Number of weeks held spare time job	Variable dropped
CHILD	CHWKTST	Number of weeks had income from a Trust	Variable dropped
HOUSEHOL	ORGSEWAM	Dom. Sew. Ch. orig entry before discount	Variable dropped
HOUSEHOL	ORGWATAM	Dom. Wat. Ch. orig entry before discount	Variable dropped
JOB	INSTYPE1	Permanent health insurance	Variable dropped
JOB	INSTYPE2	Critical illness cover	Variable dropped
MORTGAGE	INTRU	Usual amount of instalment on the loan	Variable dropped
PENSION	TRIGHTS	Right to take income/capital from trust	Variable dropped

New edits

TABLE	VARIABLE	LABEL
ADULT	ALIAMT	Amount received in maintenance for self
ADULT	ALUAMT	Usual amount received in maintenance for self
CHILD	CHTRNAMT	Amount from employment training 16-19 year olds only
JOB	CARAMT	Total contribution to cost of company car
JOB	CARVAL	Estimate of list price of company car

TABLE	VARIABLE	LABEL
JOB	FUELTYP	Type of fuel company car uses

The HBAI team and Child Poverty Unit requested that imputation for the children material deprivation items, detailed below, be looked at.

VARIABLE	LABEL
ADBTBL	Keep up with bills and regular debt repayments
ADDDEC	enough money to keep your home in a decent state of décor
ADDEPLES	hobby or leisure activity
ADDHOL	hols. away from home one week a year+ not staying with rels.
ADDINS	household contents insurance
ADDMEL	friends/family round for drink or meal at least once a month
ADDMON	make savings of £10 a month or more
ADDSHOE	two pairs of all weather shoes for each adult in household
ADEPFUR	replace any worn out furniture
AF1	replace or repair broken electrical goods
AFDEP2	money to spend each week on yourself, not on your family
CDELPLY	outdoor space/facilities nearby where kids play in safety
CDEPACT	Attends regular organised activity outside school each week
CDEPBED	enough bedrooms for every child over 10
CDEPCEL	celebrations on special occasions
CDEPEQP	leisure equipment such as sports equipment or a bicycle
CDEPHOL	a holiday away from home at least 1 week a year with family
CDEPLES	a hobby or leisure activity
CDEPSUM	swimming at least once a month
CDEPTEA	have friends round for tea or a snack once a fortnight
CDEPTRP	go on a school trip at least once a term
CDEPVEG	Eat fresh fruit or veg every day
CDPCOAT	Have a warm winter coat
CPLAY	Go to a playgroup at least once a week
HOUSHE1	are you able to keep this accommodation warm enough

The FRS team has implemented a strategy which imputes missing children material deprivation information based on the following characteristics
  – Benefit unit income
  – Benefit unit work status
  – Number of children within the benefit unit
  – Benefit unit savings
  – Parents' education
  – Head from an ethnic minority
  – Lone/ couple parents
  – Benefit unit disability status
  – Region

DERIVED VARIABLES

The following changes have been made to derived variables:

Maintenance
Income received in maintenance for self has been added to the adult's remaining income (INRINC).

Healthy Start Voucher Scheme
Healthy Start (HS) vouchers replaced welfare milk in November 2006. The FRS now collects information on HS vouchers received, previous methodology for imputing income from HS vouchers (using welfare milk information as a proxy) has therefore been updated to use this new information. As in 2009-10, income received from HS vouchers for the benefit unit has been added to the head of the benefit unit's remaining income (INRINC).

Employment training 16-19 year olds only
Earnings from employment training (applicable to 16-19 year olds in non-advanced full-time education or on an employment training scheme) has been added to the child's income from employment (CHEARNS).

Work-Search Premium/ Work-related activity premium
Income received from Work-Search Premium (WSP) and Work-related activity premium (WRAP) is no longer collected on the FRS and hence has been removed from the benefit income methodology. WSP no longer exists and WRAP was not rolled out nationally.

Government training scheme
New government training schemes are being captured under the TRAIN/ NITRAIN questions. The following derived variables have been amended to take into account these new schemes:
 - CHBFLG   : Child Benefit eligibility
 - EMPSTATB : Adult - Employment Status
 - EMPSTATC : Adult Employment status - HBAI equivalent
 - EMPSTATI : Adult - Employment Status - ILO definition
 - TAXPAYER : Whether or not should pay tax

Marital Status
The responses for the marital status question MS have been revised. The following derived variables have been amended to take into account this revision:
 - FAMTYPB2 : Family Type - with gender and couples status
 - FAMTYPBS : Family Type - with gender
 - FAMTYPBU : Family Type
 - MARITAL   : Adult - Marital Status
 - XBONFLAG : Adult - Christmas Bonus eligibility

Ethnicity

The Great Britain version of the ethnicity question ETHGRP now includes the category "White – Irish". The derived variable ETHGR2 has been amended to take into account this new category.

Relationship

The relationship information R01-R14 now represents spouses and civil partners as separate categories hence the derived variable identifying an individuals relationship to the household reference person, RELHRP, has been amended for both adults and children to also represent spouses and civil partners as separate categories.

Pension Age

The following derived variables have been updated to use PENFLAG, whether adult is State Pension Age, to reflect the increase in women's state pension age.

TABLE	VARIABLE	DV CODE	LABEL
ADULT	ABLE	ABLE	Ability to work
ADULT	EMPSTATB	EMPSTATB	Adult - Employment Status
ADULT	XBONFLAG	XBONFLAG	Adult - Christmas Bonus eligibility
BENUNIT	ECSTATBU	ECSTATBU	BU Economic status
BENUNIT	FAMTYPB2	FAMTYPBC	Family Type - with gender and couples status
BENUNIT	FAMTYPBS	FAMTYPBS	Family Type - with gender
BENUNIT	FAMTYPBU	FAMTYPBU	Family Type
BENUNIT	NEWFAMB2	NEWFAMB2	Family type with couples status - HBAI equivalent
BENUNIT	NEWFAMBU	NEWFAMBU	Family type - HBAI equivalent
HOUSEHOL	EMP	COMPTOT	HRP Unemployed (Pub.)
HOUSEHOL	EMPHRP	COMPTOT	One or more Unemp in HH excl. HRP(Pub.)
HOUSEHOL	HHCOMPS	HHCOMPS	Household comp - revised
HOUSEHOL	PENAGE	COMPTOT	HRP over Pen Age (Pub.)
HOUSEHOL	PENHRP	COMPTOT	One or more Pen Age excl. HRP-Pub.

DV constants

The Average Earnings Index which is used as a DV constant to up-rate self-employment income has been replaced by the Average Weekly Earnings series.

Northern Ireland Rates

The information used to calculate the Rates liability for households sampled within Northern Ireland has been updated within the household rent DVs:
- The Net Rateable Value of Property (NINRV) has been replaced by the Capital Value of Property (CAPVAL).
- The corresponding factor for the amount of District Council Rate (NIRATE) has been replaced by the District Council Domestic Rate Poundage (NIDPND).

Job Sector

DVs indicating the sector of each job (JobSect) and the sector of the main job (MJobSect) have been added to the Job and Adult table respectively as requested by the Private Pensions Statistics Unit.

Benefit Unit Total Capital

The methodology to calculate total savings and investments has been improved. More households are shown to have a small level of savings and fewer households are shown to have a large level of savings. TotCapB3 replaces TotCapB2~~An alternative derivation of benefit unit total capital (TotCapB3) has been attached to the Benunit table. T~~, the difference between ~~TotCapB3 and TotCapB2~~the two verions is that for TotCapB3 we are deriving the interest rate assumptions from the FRS data rather than other data sources.

These interest rate assumptions are used to estimate capital for those respondents for whom we only have the income from interest for the following account types:

1	Current account
2	NSB Ordinary account
3	NSB Investment account
5	Savings, investments etc
6	Government Gilt Edged Stock
7	Unit/Investment Trusts
8	Stocks, Shares, Bonds etc
21	ISA
27	Basic Account
28	Credit Unions

This change in methodology has been agreed with the TotCap working group ~~and we intend to remove TotCapB2 and rename TotCapB3 to be TotCapB2 for the final FRS 2010-11 dataset.~~.

GROSSING

The weight GROSS3 has been produced with no changes made to methodology. As in previous years GROSS3 is available on the Househol, Benunit and Adult table.