

表1. 国民健康・栄養調査年次別登録データのファイルの種類と内容

西暦年	ファイル名 ^{注1)}	内容	留意事項
1995 (H07)	1995_1 分類票	・食品群小分類 85 項目 ・栄養素 30 項目	
	1995_3 個人情報票	・身体状況、血液検査(20-59 歳)	欠損値ゼロ入力
1996 (H08)	1996_2 分類票	・食品群小分類 85 項目 ・栄養素 30 項目	
	1996_3 個人情報票	・身体、血液検査(30 歳以上)	欠損値ゼロ入力
1997 (H09)	1997_2 分類票	・食品群小分類 85 項目	朝昼夕間食別
	1997_3 個人情報票	・身体、血液検査(20 歳以上) ・栄養素 30 項目	欠損値ゼロ入力 1 日分
1998 (H10)	1998_2 分類票	・食品群小分類 85 項目 ^{注2)}	栄養調査無もゼロ入力
	1998_3 個人情報票	・身体、血液検査(20 歳以上) ・栄養素 30 項目 ^{注2)}	欠損値ゼロ入力 栄養調査無もゼロ入力
1999 (H11)	1999_2 分類票	・食品群小分類 85 項目 ^{注2)}	
	1999_3 個人情報票	・身体、血液検査(20 歳以上) ・栄養素 30 項目 ^{注2)}	欠損値ゼロ入力
2000 (H12)	2000_2 分類票	・食品群小分類 85 項目 ^{注2)}	
	2000_3 個人情報票	・身体、血液検査 ・栄養素 30 項目	血圧 2 回開始 栄養素一部欠落
2001 (H13)	2001_2 分類票	・食品群小分類 98	
	2001_1 個人情報票	・身体、血液検査 ・栄養素 40 項目(現旧版)	
2002 (H14)	2002_2 分類票	・食品群小分類 98	
	2002_1 個人情報票	・身体、血液検査 ・栄養素 40 項目(現旧版)	
2003 (H15)	2003_3 食品群別摂取量 ^{注3)}	・食品群小分類 99 項目	99:補助・強化食品 含:補助・強化由来
	2003_2 栄養素摂取 ^{注3)}	・栄養素 40 項目(現旧版)	
	2003_1 身体・生活習慣	・生活、身体、血液検査	
2004 (H16)	2004_3 食品群別摂取量	・食品群小分類 99	
	2004_2 栄養素摂取	・栄養素 40 項目(現旧版)	
	2004_1 身体・生活習慣	・生活、身体、血液検査	
2005 (H17)	2005_3 食品群別摂取量	・食品群小分類 99	
	2005_2 栄養素摂取	・栄養素 42 項目(現在版)	変数 KOK_ENE 開始
	2005_1 身体・生活習慣	・生活、身体、血液検査	
2006 (H18)	2006_3 食品群別摂取量	・食品群小分類 99	
	2006_2 栄養素摂取	・栄養素 42 項目(現在版)	
	2006_1 身体・生活習慣	・生活、身体、血液検査	
2007 (H19)	2007_3 食品群別摂取量	・食品群小分類 99	
	2007_2 栄養素摂取	・栄養素 42 項目(現在版)	
	2007_1 身体・生活習慣	・生活、身体、血液検査	
2008 (H20)	2008_3 食品群別摂取量	・食品群小分類 99	
	2008_2 栄養素摂取量	・栄養素 42 項目(現在版)	
	2008_1 身体・生活習慣	・生活、身体、血液検査	
2009 (H21)	2009_3 食品群別摂取量	・食品群小分類 99	
	2009_2 栄養素摂取	・栄養素 42 項目(現在版)	
	2009_1 身体・生活習慣	・生活、身体、血液検査	
2010 (H22)	2010_3 食品群別摂取量	・食品群小分類 99	
	2010_2 栄養素摂取	・栄養素 42 項目(現在版)	
	2010_1 身体・生活習慣	・生活、身体、血液検査	
2011 (H23)	2011_3 食品群別摂取量	・食品群小分類 99	
	2011_2 栄養素摂取量	・栄養素 42 項目(現在版)	変数 EY43 開始
	2011_1 身体・生活習慣	・生活、身体、血液検査	

表1. 国民健康・栄養調査年次別登録データのファイルの種類と内容(続き)

西暦年	ファイル名 ^{注1)}	内容	留意事項
2012 (H24)	NHNS2012 食品群別摂取量	・食品群小分類 98	補助・強化食品廃止
	NHNS2012 栄養素摂取	・栄養素 42 項目(現在版)	補助・強化由来廃止
	NHNS2012 身体・生活習慣	・生活、身体、血液検査	
2013 (H25)	NHNS2013 食品群別摂取量	・食品群小分類 98	
	NHNS2013 栄養素摂取	・栄養素 42 項目(現在版)	
	NHNS2013 身体・生活習慣	・生活、身体、血液検査	

注1) 拡張子に TXT あるいは txt が付されている。

注2) 1日分と朝昼夕間食別の摂取量がある

注3) いずれの年次も、栄養素の下 4 ケタと食品群の下 1 桁は小数値

表 2. 国民健康・栄養調査における調査方法の変更

項目	西暦年	変更内容
妊娠・授乳婦の分類	1995-2002	①妊娠満 19 週未満、②妊娠満 19 週以上、③授乳婦
	2003-2014	①妊娠している(週数記入)、②分娩後 6 ヶ月未満で授乳している、③分娩後 6 ヶ月未満で授乳していない、④分娩後 6 ヶ月以上で授乳している
薬剤使用の項目と分類	1995-2002	降圧剤使用のみ ①服薬したことがない、②毎日服用している、③時々服用している、④服用を中止した、⑤不明である
	2003-2014	糖尿病治療薬、コレステロール低下剤等を回答肢:①有、②無
喫煙習慣の定義と分類	1995-1999	(定義)現在継続的に(毎日または時々)吸っている (回答肢)①以前からほとんど吸わない、②以前は吸っていたが今は吸わない、③現在吸っている
	2000-2002	(定義)累計 100 本以上 (回答肢)①以前からほとんど吸わない、②以前は吸っていたが今は吸わない、③現在吸っている
	2003-2010	(定義)合計 100 本以上または 6 ヶ月以上 (分類)2 つの質問により、毎日喫煙、時々喫煙、以前喫煙、生涯非喫煙の 4 群分類が可能
	2011-2012	(定義)習慣的喫煙 (分類)2 つの質問により、毎日喫煙、時々喫煙、以前喫煙、生涯非喫煙の 4 群分類が可能
	2013-2014	(定義)なし (回答肢)毎日喫煙、時々喫煙、以前喫煙、生涯非喫煙
飲酒習慣の定義と分類	1995-2002	(定義)週 3 日以上かつ 1 日飲酒量 1 合以上 (回答肢)①以前からほとんど飲んでいない、②以前は飲酒の習慣があったが現在は無い、③現在飲酒の習慣あり
	2003-20012	(定義)なし (回答)頻度 7 選択肢、飲酒量 6 選択肢 (2003-2004 年は週 1 日以上の場合、ほかは月 1 日以上の場合)
	2013	調査なし
	2014	(定義)なし (回答)頻度 8 選択肢 飲酒量 6 選択肢(月 1 日以上の場合)
運動習慣の定義と分類	1995-2012	(定義)週 2 日以上、1 回 30 分以上、1 年以上継続 (回答肢)①健康上の理由でできない、②その他の理由でできない、③習慣有り。注) 2002-2012 年には「有り」が、週の日数(記入)、1 日の時間(記入)、強度(強中低の選択)を回答
	2013-2014	(定義)計画的、定期的なもの (質問)医師禁有無の回答。「無」が、週の日数(記入)、1 日の時間(記入)、1 年以上継続の有無(選択)を回答
食品分類「ジャム」	1995-2000	大分類「砂糖類」
	2001-2014	大分類「果物」
食品分類「みそ」	1995-2000	大分類「豆類」、中分類「大豆・大豆製品」、
	2001-2014	大分類「調味料・香辛料」、中分類「調味料」
食品分類「マヨネーズ」	1995-2000	大分類「油脂類」
	2001-2014	大分類「調味料・香辛料」、中分類「調味料」

資料1 登録データ読み込み SAS スクリプト

```
options ps=5000 ls=256 nocenter nodate;
libname mhw 'c:\mhw\';
```

```
*-----;
* food groups 1995-2000 old version (85 groups) ;
* check N, range and mean for each year ;
* list PID of the first 4 Obs ;
* create uniform variables SMK CIG alc_fr alc_am dm_T ;
*-----;
```

```
*===1995_H07===注意分類票に栄養素摂取量;
data F1995; infile 'c:\mhw\Y1995_FD.dat' LRECL=1400 missover;
length PID $12;
input YR 1-2
```

「1995.1 分類票」に対応するファイル名

```
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (S1-S3) (6.1) @75 (S4-S11) (6.1) @129 (S12-S15) (6.1) @159 (S16-S17) (6.1)
@177 (S18-S22) (6.1) @213 (S23-S27) (6.1) @255 (S28-S32) (6.1) @291 (S33-S38) (6.1)
@333 (S39-S43) (6.1) @369 (S44-S53) (6.1) @435 (S54-S61) (6.1) @495 (S62-S74) (6.1)
@579 (S75-S81) (6.1) @627 (S82-S85) (6.1)
```

S、M、L は小分類、中分類、大分類の食品群に対応

```
@39 L1 6.1 @123 L3 6.1 @153 L4 6.1 @171 L5 6.1 @207 L6 6.1 @243 L7 6.1
@285 L8 6.1 @327 L9 6.1 @363 L10 6.1 @429 L13 6.1 @483 L14 6.1 @573 L15 6.1
@621 L17 6.1
@45 M1 6.1 @69 M2 6.1 @249 M3 6.1 @489 M4 6.1
```

```
@969 (EY1-EY9) (10.4)
@1079 EY10 10.4 EY13 10.4 EY15 10.4 EY16 10.4 EY11 10.4 EY12 10.4 EY19 10.4
EY26 10.4 EY27 10.4 EY28 10.4 EY33 10.4 EY23 10.4 EY24 10.4 EY37 10.4
EY34 10.4 EY36 10.4 EY35 10.4 EY38 10.4 EY14 10.4
```

栄養素変数
巻末参照

```
@1059 EXTRA1 10.4 EXTRA2 10.4
@1278 NINZU 2.0 @1274 CHIIKI_B 2.0
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=1900+YR;
```

```
data N1995; infile 'c:\mhw\Y1995_LN.dat' LRECL=548 missover;
length PID $12;
input
```

「1995.3 個人情報票」に対応するファイル名

```
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
```

```
ASA $ 30 HIRU $ 32 BAN $ 34
```

```
ASA2 $ 31 HIRU2 $ 33 BAN2 $ 35
```

```
SIGOTO 27-28 KATSUDO 29
```

```
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
```

```
@131 DRUG_HT 1.
```

```
@150 EXC 1.
```

```
@109 SBP1 3.0 DBP1 3.0
```

```
@132 Q7 1.0 @137 Q7_1 2.0 @141 Q8 1.0 @146 Q8_1 2.0
```

Q 変数は喫煙、飲酒に関する質問に対応

```
@401 SHOKUGO 1. @406 WBC 8.2
```

```
@418 RBC 8.2 @430 HB 8.2 @466 TC 8.2 @478 TG 8.2 @490 HDL 8.2
```

```
@502 TP 8.2 @514 GLU 8.2
```

```
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
```

```
if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答だが別カラム;
```

```
alc_fr=Q8; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q8_1; *合数記入以前も回答だが別カラム;
*Q dm_T NA;
```

```
drop ASA ASA2 HIRU HIRU2 BAN BAN2; *<=unknown queer codes;
```

```

proc sort data=F1995; by PID;
proc sort data=N1995; by PID;
data R1995; merge F1995 N1995; by PID;
drop YR Q7 Q7_1 Q8 Q8_1;

proc print data=R1995(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;
proc datasets library=work; delete F1995 N1995;
run;

*===1996_H08===注意分類票に栄養素摂取量;
data F1996; infile 'c:\mhw\Y1996_FD.dat' LRECL=1800 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (S1-S3) (6.1) @75 (S4-S11) (6.1) @129 (S12-S15) (6.1) @159 (S16-S17) (6.1)
@177 (S18-S22) (6.1) @213 (S23-S27) (6.1) @255 (S28-S32) (6.1) @291 (S33-S38) (6.1)
@333 (S39-S43) (6.1) @369 (S44-S53) (6.1) @435 (S54-S61) (6.1) @495 (S62-S74) (6.1)
@579 (S75-S81) (6.1) @627 (S82-S85) (6.1)

@39 L1 6.1 @123 L3 6.1 @153 L4 6.1 @171 L5 6.1 @207 L6 6.1 @243 L7 6.1
@285 L8 6.1 @327 L9 6.1 @363 L10 6.1 @429 L13 6.1 @483 L14 6.1 @573 L15 6.1
@621 L17 6.1
@45 M1 6.1 @69 M2 6.1 @249 M3 6.1 @489 M4 6.1

@1419 (EY1-EY9) (10.4)
@1529 EY10 10.4 EY13 10.4 EY15 10.4 EY16 10.4 EY11 10.4 EY12 10.4 EY19 10.4
EY26 10.4 EY27 10.4 EY28 10.4 EY33 10.4 EY23 10.4 EY24 10.4 EY37 10.4
EY34 10.4 EY36 10.4 EY35 10.4 EY38 10.4 EY14 10.4
@1509 EXTRA1 10.4 EXTRA2 10.4
@1728 NINZU 2.0 @1724 CHIIKI_B 2.0
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=1900+YR;

data N1996; infile 'c:\mhw\Y1996_LN.dat' LRECL=548 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 30-31 HIRU 34-35 BAN 38-39
ASA2 32-33 HIRU2 36-37 BAN2 40-41
SIGOTO 27-28 KATSUDO 29
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
@131 DRUG_HT 1.
@150 EXC 1.
@109 SBP1 3.0 DBP1 3.0
@132 Q7 1.0 @137 Q7_1 2.0 @141 Q8 1.0 @146 Q8_1 2.0

@401 SHOKUGO 1. @406 WBC 8.2
@418 RBC 8.2 @430 HB 8.2 @466 TC 8.2 @478 TG 8.2 @490 HDL 8.2
@502 TP 8.2 @514 GLU 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答だが別カラム;

alc_fr=Q8; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q8_1; *合数記入以前も回答だが別カラム;
*Q dm_T NA;

proc sort data=F1996; by PID;
proc sort data=N1996; by PID;

```

```

data R1996; merge F1996 N1996; by PID;
drop YR Q7 Q7_1 Q8 Q8_1;

proc print data=R1996(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;
proc datasets library=work; delete F1996 N1996;
run;

*====1997_H09====注意食品群摂取量朝昼夜間食別 ***;
data F1997; infile 'c:\mhw\Y1997_FD.dat' LRECL=4400 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (aS1-aS3) (6.1) @75 (aS4-aS11) (6.1) @129 (aS12-aS15) (6.1) @159 (aS16-aS17) (6.1)
@177 (aS18-aS22) (6.1) @213 (aS23-aS27) (6.1) @255 (aS28-aS32) (6.1) @291 (aS33-aS38) (6.1)
@333 (aS39-aS43) (6.1) @369 (aS44-aS53) (6.1) @435 (aS54-aS61) (6.1) @495 (aS62-aS74) (6.1)
@579 (aS75-aS81) (6.1) @627 (aS82-aS85) (6.1)

@39 aL1 6.1 @123 aL3 6.1 @153 aL4 6.1 @171 aL5 6.1 @207 aL6 6.1 @243 aL7 6.1
@285 aL8 6.1 @327 aL9 6.1 @363 aL10 6.1 @429 aL13 6.1 @483 aL14 6.1 @573 aL15 6.1
@621 aL17 6.1 @45 aM1 6.1 @69 aM2 6.1 @249 aM3 6.1 @489 aM4 6.1

@1151 (hS1-hS3) (6.1) @1175 (hS4-hS11) (6.1) @1229 (hS12-hS15) (6.1) @1259 (hS16-hS17) (6.1)
@1277 (hS18-hS22) (6.1) @1313 (hS23-hS27) (6.1) @1355 (hS28-hS32) (6.1) @1391 (hS33-hS38) (6.1)
@1433 (hS39-hS43) (6.1) @1469 (hS44-hS53) (6.1) @1535 (hS54-hS61) (6.1) @1595 (hS62-hS74) (6.1)
@1679 (hS75-hS81) (6.1) @1727 (hS82-hS85) (6.1)

@1139 hL1 6.1 @1223 hL3 6.1 @1253 hL4 6.1 @1271 hL5 6.1 @1307 hL6 6.1 @1343 hL7 6.1
@1385 hL8 6.1 @1427 hL9 6.1 @1463 hL10 6.1 @1529 hL13 6.1 @1583 hL14 6.1 @1673 hL15 6.1
@1721 hL17 6.1 @1145 hM1 6.1 @1169 hM2 6.1 @1349 hM3 6.1 @1589 hM4 6.1

@2251 (bS1-bS3) (6.1) @2275 (bS4-bS11) (6.1) @2329 (bS12-bS15) (6.1) @2359 (bS16-bS17) (6.1)
@2377 (bS18-bS22) (6.1) @2413 (bS23-bS27) (6.1) @2455 (bS28-bS32) (6.1) @2491 (bS33-bS38) (6.1)
@2533 (bS39-bS43) (6.1) @2569 (bS44-bS53) (6.1) @2635 (bS54-bS61) (6.1) @2695 (bS62-bS74) (6.1)
@2779 (bS75-bS81) (6.1) @2827 (bS82-bS85) (6.1)

@2239 bL1 6.1 @2323 bL3 6.1 @2353 bL4 6.1 @2371 bL5 6.1 @2407 bL6 6.1 @2443 bL7 6.1
@2485 bL8 6.1 @2527 bL9 6.1 @2563 bL10 6.1 @2629 bL13 6.1 @2683 bL14 6.1 @2773 bL15 6.1
@2821 bL17 6.1 @2245 bM1 6.1 @2269 bM2 6.1 @2449 bM3 6.1 @2689 bM4 6.1

@3351 (kS1-kS3) (6.1) @3375 (kS4-kS11) (6.1) @3429 (kS12-kS15) (6.1) @3459 (kS16-kS17) (6.1)
@3477 (kS18-kS22) (6.1) @3513 (kS23-kS27) (6.1) @3555 (kS28-kS32) (6.1) @3591 (kS33-kS38) (6.1)
@3633 (kS39-kS43) (6.1) @3669 (kS44-kS53) (6.1) @3735 (kS54-kS61) (6.1) @3795 (kS62-kS74) (6.1)
@3879 (kS75-kS81) (6.1) @3927 (kS82-kS85) (6.1)

@3339 kL1 6.1 @3423 kL3 6.1 @3453 kL4 6.1 @3471 kL5 6.1 @3507 kL6 6.1 @3543 kL7 6.1
@3585 kL8 6.1 @3627 kL9 6.1 @3663 kL10 6.1 @3729 kL13 6.1 @3783 kL14 6.1 @3873 kL15 6.1
@3921 kL17 6.1 @3345 kM1 6.1 @3369 kM2 6.1 @3549 kM3 6.1 @3789 kM4 6.1
;
array a_food aS1-aS85 aL1 aL3 aL4 aL5 aL6 aL7 aL8 aL9 aL10 aL13 aL14 aL15 aL17 aM1 aM2 aM3 aM4;
array h_food hS1-hS85 hL1 hL3 hL4 hL5 hL6 hL7 hL8 hL9 hL10 hL13 hL14 hL15 hL17 hM1 hM2 hM3 hM4;
array b_food bS1-bS85 bL1 bL3 bL4 bL5 bL6 bL7 bL8 bL9 bL10 bL13 bL14 bL15 bL17 bM1 bM2 bM3 bM4;
array k_food kS1-kS85 kL1 kL3 kL4 kL5 kL6 kL7 kL8 kL9 kL10 kL13 kL14 kL15 kL17 kM1 kM2 kM3 kM4;
array food S1-S85 L1 L3 L4 L5 L6 L7 L8 L9 L10 L13 L14 L15 L17 M1 M2 M3 M4;

do over food;
food = a_food + h_food + b_food + k_food;
end;

PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=1900+YR;

drop
aS1-aS85 aL1 aL3 aL4 aL5 aL6 aL7 aL8 aL9 aL10 aL13 aL14 aL15 aL17 aM1 aM2 aM3 aM4
hS1-hS85 hL1 hL3 hL4 hL5 hL6 hL7 hL8 hL9 hL10 hL13 hL14 hL15 hL17 hM1 hM2 hM3 hM4
bS1-bS85 bL1 bL3 bL4 bL5 bL6 bL7 bL8 bL9 bL10 bL13 bL14 bL15 bL17 bM1 bM2 bM3 bM4
kS1-kS85 kL1 kL3 kL4 kL5 kL6 kL7 kL8 kL9 kL10 kL13 kL14 kL15 kL17 kM1 kM2 kM3 kM4

```

```

;
run;

data N1997; infile 'c:\mhw\Y1997_LN.dat' LRECL=800 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 492-493 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 30-31 HIRU 34-35 BAN 38-39 CHIIKI_B 494-495
ASA2 32-33 HIRU2 36-37 BAN2 40-41
SIGOTO 27-28 KATSUDO 29
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
@131 DRUG_HT 1.
@150 EXC 1.
@109 SBP1 3.0 DBP1 3.0
@132 Q7 1.0 @137 Q7_1 2.0 @141 Q8 1.0 @146 Q8_1 2.0

@351 SHOKUGO 1. @356 WBC 8.2
@368 RBC 8.2 @380 HB 8.2 @416 TC 8.2 @428 TG 8.2 @440 HDL 8.2
@452 TP 8.2 @464 GLU 8.2 @476 HBA1C 8.2

@501 (EY1-EY9) (10.4)
@611 EY10 10.4 EY13 10.4 EY15 10.4 EY16 10.4 EY11 10.4 EY12 10.4 EY19 10.4
EY26 10.4 EY27 10.4 EY28 10.4 EY33 10.4 EY23 10.4 EY24 10.4 EY37 10.4
EY34 10.4 EY36 10.4 EY35 10.4 EY38 10.4 EY14 10.4
@591 EXTRA1 10.4 EXTRA2 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答だが別カラム;

alc_fr=Q8; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q8_1; *合数記入以前も回答だが別カラム;
*Q dm_T NA;

proc sort data=F1997; by PID;
proc sort data=N1997; by PID;
data R1997; merge F1997 N1997; by PID;
drop YR Q7 Q7_1 Q8 Q8_1;

proc print data=R1997(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;
proc datasets library=work; delete F1997 N1997;
run;

```

```

*===1998_H10===;
data F1998; infile 'c:\mhw\Y1998_FD.dat' LRECL=3250 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (S1-S3) (6.1) @75 (S4-S11) (6.1) @129 (S12-S15) (6.1) @159 (S16-S17) (6.1)
@177 (S18-S22) (6.1) @213 (S23-S27) (6.1) @255 (S28-S32) (6.1) @291 (S33-S38) (6.1)
@333 (S39-S43) (6.1) @369 (S44-S53) (6.1) @435 (S54-S61) (6.1) @495 (S62-S74) (6.1)
@579 (S75-S81) (6.1) @627 (S82-S85) (6.1)

@39 L1 6.1 @123 L3 6.1 @153 L4 6.1 @171 L5 6.1 @207 L6 6.1 @243 L7 6.1
@285 L8 6.1 @327 L9 6.1 @363 L10 6.1 @429 L13 6.1 @483 L14 6.1 @573 L15 6.1
@621 L17 6.1
@45 M1 6.1 @69 M2 6.1 @249 M3 6.1 @489 M4 6.1
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=1900+YR;

data N1998; infile 'c:\mhw\Y1998_LN.dat' LRECL=3300 missover;

```

```

length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 42-43 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 30-31 HIRU 34-35 BAN 38-39 CHIIKI_B 44-45
ASA2 32-33 HIRU2 36-37 BAN2 40-41
SIGOTO 27-28 KATSUDO 29
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
@131 DRUG_HT 1.
@150 EXC 1.
@109 SBP1 3.0 DBP1 3.0
@132 Q7 1.0 Q7_1 2.0 @141 Q8 1.0 Q8_1 2.0

@251 SHOKUGO 1.
@256 RBC 8.2 @268 HB 8.2 @280 TC 8.2 @292 TG 8.2 @304 HDL 8.2
@316 TP 8.2 @328 GLU 8.2

@351 (EY1-EY9) (10.4)
@461 EY10 10.4 EY13 10.4 EY15 10.4 EY16 10.4 EY11 10.4 EY12 10.4 EY19 10.4
      EY26 10.4 EY27 10.4 EY28 10.4 EY33 10.4 EY23 10.4 EY24 10.4 EY37 10.4
      EY34 10.4 EY36 10.4 EY35 10.4 EY38 10.4 EY14 10.4
@441 EXTRA1 10.4 EXTRA2 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答;

alc_fr=Q8; *never (1)/past (2)/curr (3)分類要注意;
alc_am=Q8_1; *合数記入以前も回答;
*Q dm_T NA;

proc sort data=F1998; by PID;
proc sort data=N1998; by PID;
data R1998; merge F1998 N1998; by PID;
drop YR Q7 Q7_1 Q8 Q8_1;

proc print data=R1998(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;

*(potential duplicate );
proc freq data=F1998; tables PID/noprint out=X;
      data Y; set X; if count>=2 then output; proc print; var PID;
proc freq data=N1998; tables PID/noprint out=X;
      data Y; set X; if count>=2 then output; proc print; var PID;

*(EY=0: nutr & food intakes be missing);
data R1998_R; set R1998;
array nutr EY2 EY3 EY4 EY5 EY6 EY7 EY8 EY9
      EY10 EY13 EY15 EY16 EY11 EY12 EY19
      EY26 EY27 EY28 EY33 EY23 EY24 EY37
      EY34 EY36 EY35 EY38 EY14;
array food S1-S85 L1 L3 L4 L5 L6 L7 L8 L9 L10 L13 L14 L15 M1 M2 M3 M4;

do over nutr;
      if EY1=0 then nutr=.;
end;
do over food;
      if EY1=0 then food=.;
end;
if EY1=0 then EY1=.;

proc means data=R1998_R;

proc datasets library=work; delete F1998 N1998 X Y;

```



```

run;

*===1999_H11===;
data F1999; infile 'c:\mhw\Y1999_FD.dat' LRECL=3250 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (S1-S3) (6.1) @75 (S4-S11) (6.1) @129 (S12-S15) (6.1) @159 (S16-S17) (6.1)
@177 (S18-S22) (6.1) @213 (S23-S27) (6.1) @255 (S28-S32) (6.1) @291 (S33-S38) (6.1)
@333 (S39-S43) (6.1) @369 (S44-S53) (6.1) @435 (S54-S61) (6.1) @495 (S62-S74) (6.1)
@579 (S75-S81) (6.1) @627 (S82-S85) (6.1)

@39 L1 6.1 @123 L3 6.1 @153 L4 6.1 @171 L5 6.1 @207 L6 6.1 @243 L7 6.1
@285 L8 6.1 @327 L9 6.1 @363 L10 6.1 @429 L13 6.1 @483 L14 6.1 @573 L15 6.1
@621 L17 6.1
@45 M1 6.1 @69 M2 6.1 @249 M3 6.1 @489 M4 6.1
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=1900+YR;

data N1999; infile 'c:\mhw\Y1999_LN.dat' LRECL=1900 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 42-43 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 30-31 HIRU 34-35 BAN 38-39 CHIIKI_B 44-45
ASA2 32-33 HIRU2 36-37 BAN2 40-41
SIGOTO 27-28 KATSUDO 29
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
@131 DRUG_HT 1.
@150 EXC 1.
@109 SBP1 3.0 DBP1 3.0
@132 Q7 1.0 Q7_1 2.0 @141 Q8 1.0 Q8_1 2.0

@301 SHOKUGO 1.
@306 RBC 8.2 @318 HB 8.2 @330 TC 8.2 @342 TG 8.2 @354 HDL 8.2
@366 TP 8.2 @378 GLU 8.2

@401 (EY1-EY9) (10.4)
@511 EY10 10.4 EY13 10.4 EY15 10.4 EY16 10.4 EY11 10.4 EY12 10.4 EY19 10.4
EY26 10.4 EY27 10.4 EY28 10.4 EY33 10.4 EY23 10.4 EY24 10.4 EY37 10.4
EY34 10.4 EY36 10.4 EY35 10.4 EY38 10.4 EY14 10.4
@491 EXTRA1 10.4 EXTRA2 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答本数;

alc_fr=Q8; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q8_1; *合数記入以前も回答;
*Q dm_T NA;

proc sort data=F1999; by PID;
proc sort data=N1999; by PID;
data R1999; merge F1999 N1999; by PID;
drop YR Q7 Q7_1 Q8 Q8_1;

proc print data=R1999(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;
proc datasets library=work; delete F1999 N1999;
run;

*===2000_H12 NB: not conforming to the current version ===;
data F2000; infile 'c:\mhw\Y2000_FD.dat' LRECL=3250 missover;

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```

length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 (S1-S3) (6.1) @75 (S4-S11) (6.1) @129 (S12-S15) (6.1) @159 (S16-S17) (6.1)
@177 (S18-S22) (6.1) @213 (S23-S27) (6.1) @255 (S28-S32) (6.1) @291 (S33-S38) (6.1)
@333 (S39-S43) (6.1) @369 (S44-S53) (6.1) @435 (S54-S61) (6.1) @495 (S62-S74) (6.1)
@579 (S75-S81) (6.1) @627 (S82-S85) (6.1)

@39 L1 6.1 @123 L3 6.1 @153 L4 6.1 @171 L5 6.1 @207 L6 6.1 @243 L7 6.1
@285 L8 6.1 @327 L9 6.1 @363 L10 6.1 @429 L13 6.1 @483 L14 6.1 @573 L15 6.1
@621 L17 6.1
@45 M1 6.1 @69 M2 6.1 @249 M3 6.1 @489 M4 6.1
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2000; infile 'c:\mhw\Y2000_LN.dat' LRECL=1900 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 42-43 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 30-31 HIRU 34-35 BAN 38-39 CHIIKI_B 44-45
ASA2 32-33 HIRU2 36-37 BAN2 40-41
SIGOTO 27-28 KATSUDO 29
@101 HEIGHT 4.1 WEIGHT 4.1 @126 HOSUU 5.0
@131 DRUG_HT 1.
@150 EXC 1.
@151 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@132 Q7 1.0 Q7_1 2.0 @141 Q8 1.0 Q8_1 2.0

@301 SHOKUGO 1.
@306 RBC 8.2 @318 HB 8.2 @330 TC 8.2 @342 TG 8.2 @354 HDL 8.2
@366 TP 8.2 @378 GLU 8.2

@401 (EY1-EY9) (10.4)
@511 EY10 10.4 EY13 10.4 SP1 10.4 EY16 10.4 EY11 10.4 SP2 10.4
EY19 10.4 EY26 10.4 EY27 10.4 SP3 10.4 EY33 10.4 EY23 10.4
SP4 10.4 EY37 10.4 EY34 10.4 EY36 10.4 EY35 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q7=1 then SMK=0; *never;
if Q7=2 then SMK=1; *past;
if Q7=3 then SMK=3; *daily + occasional;
CIG=Q7_1; *cig/d 以前も回答本数;

alc_fr=Q8; *never(1)/past(2)/curr(3)分類要注意;
alc_am=Q8_1; *合数記入以前も回答;
*Q dm_T NA;

proc sort data=F2000; by PID;
proc sort data=N2000; by PID;
data R2000; merge F2000 N2000; by PID;
drop YR Q7 Q7_1 Q8 Q8_1 SP1-SP4;

proc print data=R2000(firstobs=1 obs=4); var PID YEAR SEI NENREI S1 EY1;
proc means;
proc datasets library=work; delete F2000 N2000;
run;

*===2001_H13 NB: SHIGOT KATSUDO nutcrclass 2files only ===;
data F2001; infile 'c:\mhw\Y2001_FD.dat' LRECL=952 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 32-33 HIRU 34-35 BAN 36-37 CHIIKI_B 46-47

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@51 (CCD1-CCD98) (6.1)
@651 (C_FDX1-C_FDX33) (6.1)
@851 (D_FDX1-D_FDX17) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2001; infile 'c:\mhw\Y2001_LN.dat' LRECL=1000 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGOTO 29-30 KATSUDO 31
@51 HEIGHT 4.1 WEIGHT 4.1 @60 HOSUU 5.0
@66 DRUG_HT 1.
@82 EXC 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@68 Q6 1.0 Q6_1 2.0 @74 Q7 1.0 Q7_1 4.0

@151 SHOKUGO 1.
@156 RBC 8.2 @168 HB 8.2 @180 HCT 8.2 @192 TC 8.2 @204 TG 8.2 @216 HDL 8.2
@228 TP 8.2 @240 GLU 8.2

@601 (EY1-EY18) (10.4) EY20 10.4 EY22 10.4 EY19 10.4
@811 (EY23-EY40) (10.4) KOK_ENE 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q6=1 then SMK=0; *never;
if Q6=2 then SMK=1; *past;
if Q6=3 then SMK=3; *daily + occasional;
CIG=Q6_1; *cig/d 以前も回答本数;

alc_fr=Q7; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q7_1; *合数記入以前も回答;
*Q dm_T NA;

proc sort data=F2001; by PID;
proc sort data=N2001; by PID;
data R2001; merge F2001 N2001; by PID;
drop YR Q6 Q6_1 Q7 Q7_1;

proc print data=R2001(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2001 N2001;
run;

*===2002_H14 NB: SHIGOT KATSUDO nutrclass 2files only ===;
data F2002; infile 'c:\mhw\Y2002_FD.dat' LRECL=952 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 24-25 NINPU 26
ASA 32-33 HIRU 34-35 BAN 36-37 CHIIKI_B 46-47
@51 (CCD1-CCD98) (6.1)
@651 (C_FDX1-C_FDX33) (6.1)
@851 (D_FDX1-D_FDX17) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2002; infile 'c:\mhw\Y2002_LN.dat' LRECL=1000 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGOTO 29-30 KATSUDO 31
@51 HEIGHT 4.1 WEIGHT 4.1 @60 HOSUU 5.0
@66 DRUG_HT 1.

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@82 EXC 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@68 Q6 1.0 Q6_1 2.0 @74 Q7 1.0 Q7_1 4.0

@151 SHOKUGO 1.
@156 RBC 8.2 @168 HB 8.2 @180 HCT 8.2 @192 TC 8.2 @204 TG 8.2 @216 HDL 8.2
@228 TP 8.2 @240 GLU 8.2

@601 (EY1-EY18) (10.4) EY20 10.4 EY22 10.4 EY19 10.4
@811 (EY23-EY40) (10.4) KOK_ENE 10.4
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q6=1 then SMK=0; *never;
if Q6=2 then SMK=1; *past;
if Q6=3 then SMK=3; *daily + occasional;
CIG=Q6_1; *cig/d 以前も回答本数;

alc_fr=Q7; *never (1)/past (2)/curr (3) 分類要注意;
alc_am=Q7_1; *合数記入以前も回答;
*Q dm_T NA;

proc sort data=F2002; by PID;
proc sort data=N2002; by PID;
data R2002; merge F2002 N2002; by PID;
drop YR Q6 Q6_1 Q7 Q7_1;

proc print data=R2002(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2002 N2002;
run;

*===2003_H15 NB: SHIGOT KATSUDO nutr class===;
data F2003; infile 'c:\mhw\Y2003_3F.dat' LRECL=990 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2003; infile 'c:\mhw\Y2003_2N.dat' LRECL=991 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@401 (EY1-EY18) (10.4) EY20 10.4 EY22 10.4 EY19 10.4
@611 (EY23-EY40) (10.4) KOK_ENE 10.4
@801 (SPL1-SPL7) (10.4) @901 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2003; infile 'c:\mhw\Y2003_1L.dat' lrecl=369 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGOTO 33-34 KATSUDO 35
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1.
@74 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.

@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@111 Q9 1. Q9_2 1. @176 Q25 1. @192 Q29 1. @198 Q32 3.

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@201 SHOKUGO 1.
@206 RBC 8.2 @218 HB 8.2 @230 HCT 8.2 @242 TC 8.2 @254 TG 8.2 @266 HDL 8.2
@278 TP 8.2 @290 GLU 8.2 @302 HBA1C 8.2 @314 WBC 8.2 @326 PLT 8.2 @338 FER 8.2 @350 ALB 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q25=2 or Q25=3 then SMK=0; *never;
if Q25=1 and Q29=3 then SMK=1; *past;
if Q25=1 and Q29=2 then SMK=2; *occasional;
if Q25=1 and Q29=1 then SMK=3; *daily;
CIG=Q32; *cig/d 時々も喫煙日の本数;
alc_fr=Q9;
alc_am=Q9_2;

*Q dm_T NA;

proc freq; tables Q25*Q29 SMK Q9*Q9_2/
norow nocol nopercnt missing;

proc sort data=F2003; by PID;
proc sort data=N2003; by PID;
proc sort data=L2003; by PID;
data R2003; merge F2003 N2003 L2003; by PID;
drop YR Q9 Q9_2 Q25 Q29 Q32;

proc print data=R2003(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2003 N2003 L2003;
run;

*===2004_H16 NB: SHIGOT KATSUDO nutr class===;
data F2004; infile 'c:\mhw\Y2004_3F.dat' LRECL=990 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2004; infile 'c:\mhw\Y2004_2N.dat' LRECL=991 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@401 (EY1-EY18) (10.4) EY20 10.4 EY22 10.4 EY19 10.4
@611 (EY23-EY40) (10.4) KOK_ENE 10.4
@801 (SPL1-SPL7) (10.4) @901 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2004; infile 'c:\mhw\Y2004_1L.dat' lrecl=357 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
SIGOTO 33-34 KATSUDO 35
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1.
@74 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.

@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@153 Q24_1 1. Q24_2 1. Q25 1. @159 Q27 1. Q28 3.
@201 SHOKUGO 1.
@206 RBC 8.2 @218 HB 8.2 @230 HCT 8.2 @242 TC 8.2 @254 TG 8.2 @266 HDL 8.2
@278 TP 8.2 @290 GLU 8.2 @302 HBA1C 8.2 @314 WBC 8.2 @326 PLT 8.2 @338 FER 8.2 @350 ALB 8.2

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;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q25=2 or Q25=3 then SMK=0; *never;
if Q25=1 and Q27=3 then SMK=1; *past;
if Q25=1 and Q27=2 then SMK=2; *occasional;
if Q25=1 and Q27=1 then SMK=3; *daily;
CIG=Q28; *cig/d 時々も喫煙日の本数;
alc_fr=Q24_1;
alc_am=Q24_2;

*Q dm_T NA;

proc freq; tables Q25*Q27 SMK Q24_1*Q24_2/
norow nocol nopercnt missing;

proc sort data=F2004; by PID;
proc sort data=N2004; by PID;
proc sort data=L2004; by PID;
data R2004; merge F2004 N2004 L2004; by PID;
drop YR Q24_1 Q24_2 Q25 Q27 Q28;

proc print data=R2004(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2004 N2004 L2004;
run;

*===2005_H17===;
data F2005; infile 'c:\mhw\Y2005_3F.dat' LRECL=990 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28 SIGOTO 33-34 KATSUDO 35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2005; infile 'c:\mhw\Y2005_2N.dat' LRECL=1141 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@501 (EY1-EY42) (10.4) KOK_ENE 10.4 @951 (SPL1-SPL7) (10.4) @1051 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2005; infile 'c:\mhw\Y2005_1L.dat' lrecl=457 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1.
@74 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.

@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@178 Q22_1 1. Q22_2 1. @197 Q28 1. Q29 1. Q30 3. @202 Q31 1. Q31_2 1.
@301 SHOKUGO 1.
@306 RBC 8.2 @318 HB 8.2 @330 HCT 8.2 @342 TC 8.2 @354 TG 8.2 @366 HDL 8.2
@378 TP 8.2 @390 GLU 8.2 @402 HBA1C 8.2 @414 WBC 8.2 @426 PLT 8.2 @438 FER 8.2 @450 ALB 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q28=2 or Q28=3 then SMK=0; *never;
if Q28=1 and Q29=3 then SMK=1; *past;
if Q28=1 and Q29=2 then SMK=2; *occasional;

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if Q28=1 and Q29=1 then SMK=3; *daily;
CIG=Q30; *cig/d 時々も喫煙日の本数;
alc_fr=Q22_1;
alc_am=Q22_2;
if Q31=2 then dm_T=0; *DM treatment nil;
if Q31_2=1 then dm_T=1; * yes;
if Q31_2=2 or Q31_2=3 then dm_T=0;

proc freq; tables Q28*Q29 SMK Q22_1*Q22_2 Q31*Q31_2 dm_T/
norow nocol nopercnt missing;

proc sort data=F2005; by PID;
proc sort data=N2005; by PID;
proc sort data=L2005; by PID;
data R2005; merge F2005 N2005 L2005; by PID;
drop YR Q22_1 Q22_2 Q28 Q29 Q30 Q31 Q31_2;

proc print data=R2005(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2005 N2005 L2005;
run;

*====2006_H18====;
data F2006; infile 'c:\mhw\Y2006_3F.dat' LRECL=990 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28 SIGOTO 33-34 KATSUDO 35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2006; infile 'c:\mhw\Y2006_2N.dat' LRECL=1141 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@501 (EY1-EY42) (10.4) KOK_ENE 10.4 @951 (SPL1-SPL7) (10.4) @1051 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2006; infile 'c:\mhw\Y2006_1L.dat' lrecl=557 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1.
@74 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@81 SOCHAKU 1. SOKUTEI 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@223 Q21 1. Q21_1 1. Q22 1. Q22_1 1. Q23 1. Q24 1. Q25 3.
@401 SHOKUGO 1.
@406 RBC 8.2 @418 HB 8.2 @430 HCT 8.2 @442 TC 8.2 @454 TG 8.2 @466 HDL 8.2
@478 TP 8.2 @490 GLU 8.2 @502 HBA1C 8.2 @514 WBC 8.2 @526 PLT 8.2 @538 FER 8.2 @550 ALB 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q23=2 or Q23=3 then SMK=0; *never;
if Q23=1 and Q24=3 then SMK=1; *past;
if Q23=1 and Q24=2 then SMK=2; *occasional;
if Q23=1 and Q24=1 then SMK=3; *daily;
CIG=Q25; *cig/d 時々も喫煙日の本数;
alc_fr=Q22;
alc_am=Q22_1;

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```

if Q21=2          then dm_T=0; *DM treatment nil;
if Q21_1=1       then dm_T=1; *          yes;
if Q21_1=2 or Q21_1=3 then dm_T=0;

proc freq; tables Q23*Q24 SMK Q22*Q22_1 Q21*Q21_1 dm_T/
              norow nocol nopercnt missing;

proc sort data=F2006; by PID;
proc sort data=N2006; by PID;
proc sort data=L2006; by PID;
data R2006; merge F2006 N2006 L2006; by PID;
drop YR Q21 Q21_1 Q22 Q22_1 Q23 Q24 Q25;

proc print data=R2006(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2006 N2006 L2006;
run;

*===2007_H19===;
data F2007; infile 'c:\mhw\Y2007_3F.dat' LRECL=1000 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28 SIGOTO 33-34 KATSUDO 35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2007; infile 'c:\mhw\Y2007_2N.dat' LRECL=1150 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@501 (EY1-EY42) (10.4) KOK_ENE 10.4 @951 (SPL1-SPL7) (10.4) @1051 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2007; infile 'c:\mhw\Y2007_1L.dat' lrecl=450 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1. DRUG_TG 1.
@74 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@81 SOCHAKU 1. SOKUTEI 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@177 Q22 1. Q22_1 1. @179 Q23 1. Q24 1. @182 Q25 3. @234 Q30 1. Q30_1 1.
@251 SHOKUGO 1.
@256 RBC 8.2 @268 HB 8.2 @280 HCT 8.2 @292 TC 8.2 @304 TG 8.2 @316 HDL 8.2 @328 LDL 8.2
@340 TP 8.2 @352 GLU 8.2 @364 HBA1C 8.2 @376 WBC 8.2 @388 PLT 8.2 @400 FER 8.2 @412 ALB 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q23=2 or Q23=3 then SMK=0; *never;
if Q23=1 and Q24=3 then SMK=1; *past;
if Q23=1 and Q24=2 then SMK=2; *occasional;
if Q23=1 and Q24=1 then SMK=3; *daily;
CIG=Q25; *cig/d 時々も喫煙日の本数;
alc_fr=Q22;
alc_am=Q22_1;
if Q30=1          then dm_T=0; *DM treatment nil;
if Q30_1=1       then dm_T=1; *          yes;
if Q30_1=2 or Q30_1=3 then dm_T=0;

```



```

proc freq; tables Q23*Q24 SMK Q22*Q22_1 Q30*Q30_1 dm_T/
      norow nocol nopercnt missing;

proc sort data=F2007; by PID;
proc sort data=N2007; by PID;
proc sort data=L2007; by PID;
data R2007; merge F2007 N2007 L2007; by PID;
drop YR Q22 Q22_1 Q23 Q24 Q25 Q30 Q30_1;

proc print data=R2007(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2007 N2007 L2007;
run;

*===2008_H20===;
data F2008; infile 'c:\mhw\Y2008_3F.dat' LRECL=1000 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28 SIGOTO 33-34 KATSUDO 35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2008; infile 'c:\mhw\Y2008_2N.dat' LRECL=1150 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@501 (EY1-EY42) (10.4) KOK_ENE 10.4 @951 (SPL1-SPL7) (10.4) @1051 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2008; infile 'c:\mhw\Y2008_1L.dat' lrecl=450 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1. DRUG_TG 1. DRUG_AN 1.
@75 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@82 SOCHAKU 1. SOKUTEI 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@178 Q23 1. Q23_1 1. @182 Q26 1. Q26_1 1. Q27 1. @199 Q30 1. @203 Q33 3.
@251 SHOKUGO 1.
@256 RBC 8.2 @268 HB 8.2 @280 HCT 8.2 @292 TC 8.2 @304 TG 8.2 @316 HDL 8.2 @328 LDL 8.2
@340 TP 8.2 @352 GLU 8.2 @364 HBA1C 8.2 @376 WBC 8.2 @388 PLT 8.2 @400 FER 8.2 @412 ALB 8.2
@424 CRE 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q27=2 or Q27=3 then SMK=0; *never;
if Q27=1 and Q30=3 then SMK=1; *past;
if Q27=1 and Q30=2 then SMK=2; *occasional;
if Q27=1 and Q30=1 then SMK=3; *daily;
CIG=Q33; *cig/d 時々も喫煙日の本数;
alc_fr=Q26;
alc_am=Q26_1;
if Q23=2 then dm_T=0; *DM treatment nil;
if Q23_1=1 then dm_T=1; * yes;
if Q23_1=2 or Q23_1=3 then dm_T=0;

proc freq; tables Q27*Q30 SMK Q26*Q26_1 Q23*Q23_1 dm_T/
      norow nocol nopercnt missing;

```

```

proc sort data=F2008; by PID;
proc sort data=N2008; by PID;
proc sort data=L2008; by PID;
data R2008; merge F2008 N2008 L2008; by PID;
drop YR Q27 Q30 Q33 Q26 Q26_1 Q23 Q23_1;

proc print data=R2008(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2008 N2008 L2008;
run;

*===2009_H21===;
data F2009; infile 'c:\mhw\Y2009_3F.dat' LRECL=1000 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 44-45 SIGUN 13 SEI 18 NENREI 23-25 NINPU 26 NIN_WKS 27-28 SIGOTO 33-34 KATSUDO 35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 46-47
@51 (CCD1-CCD99) (6.1)
@651 (C_FDX1-C_FDX34) (6.1)
@883 (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2009; infile 'c:\mhw\Y2009_2N.dat' LRECL=1150 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@501 (EY1-EY42) (10.4) KOK_ENE 10.4 @951 (SPL1-SPL7) (10.4) @1051 (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2009; infile 'c:\mhw\Y2009_1L.dat' lrecl=450 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@51 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@69 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1. DRUG_TG 1. DRUG_AN 1.
@75 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@82 SOCHAKU 1. SOKUTEI 1.
@84 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0
@163 Q25 1. Q25_1 1. Q26 1. Q26_1 1. Q27 1. Q28 1. @170 Q29 3.
@251 SHOKUGO 1.
@256 RBC 8.2 @268 HB 8.2 @280 HCT 8.2 @292 TC 8.2 @304 TG 8.2 @316 HDL 8.2 @328 LDL 8.2
@340 TP 8.2 @352 GLU 8.2 @364 HBA1C 8.2 @376 WBC 8.2 @388 PLT 8.2 @400 FER 8.2 @412 ALB 8.2
@424 CRE 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q27=2 or Q27=3 then SMK=0; *never;
if Q27=1 and Q28=3 then SMK=1; *past;
if Q27=1 and Q28=2 then SMK=2; *occasional;
if Q27=1 and Q28=1 then SMK=3; *daily;
CIG=Q29; *cig/d 時々も喫煙日の本数;
alc_fr=Q26;
alc_am=Q26_1;
if Q25=2 then dm_T=0; *DM treatment nil;
if Q25_1=1 then dm_T=1; * yes;
if Q25_1=2 or Q25_1=3 then dm_T=0;

proc freq; tables Q27*Q28 SMK Q26*Q26_1 Q25*Q25_1 dm_T/
norow nocol nopercnt missing;

proc sort data=F2009; by PID;
proc sort data=N2009; by PID;
proc sort data=L2009; by PID;

```

```

data R2009; merge F2009 N2009 L2009; by PID;
drop YR Q27 Q28 Q29 Q26 Q26_1 Q25 Q25_1;

proc print data=R2009(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2009 N2009 L2009;
run;

*===2010H_22===;
data F2010; infile 'c:\mhw\Y2010_3F.dat' LRECL=950 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 34-35 SIGUN 13 SEI 18 NENREI 19-21 NINPU 22 NIN_WKS 23-24 SIGOTO 25-26
ASA 28-29 HIRU 30-31 BAN 32-33 CHIIKI_B 36-37
@38 (CCD1-CCD99) (6.1) (C_FDX1-C_FDX34) (6.1) (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2010; infile 'c:\mhw\Y2010_2N.dat' LRECL=950 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@362 (EY1-EY42) (10.4) KOK_ENE 10.4 (SPL1-SPL7) (10.4) (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2010; infile 'c:\mhw\Y2010_1L.dat' lrecl=360 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@37 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 HOSUU 5.0
@54 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1. DRUG_TG 1. DRUG_AN 1.
@60 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@67 SOCHAKU 1. SOKUTEI 1.
@69 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0

@119 Q11 1.0 Q11_1 3.0 @125 Q12 1.0 @129 Q13 1.0 Q13_1 1.0
@144 Q20 1. @148 Q20_2 1.
@191 SHOKUGO 1.
@192 HB 8.2 HCT 8.2 RBC 8.2 WBC 8.2 PLT 8.2
@224 GLU 8.2 HBA1C 8.2 TC 8.2 HDL 8.2 LDL 8.2 TG 8.2 TP 8.2 ALB 8.2
CRE 8.2 FE 8.2 TIBC 8.2 AST 8.2 ALT 8.2 GGT 8.2 UA 8.2
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q11=2 or Q11=3 then SMK=0; *never;
if Q11=1 and Q12=3 then SMK=1; *past;
if Q11=1 and Q12=2 then SMK=2; *occasional;
if Q11=1 and Q12=1 then SMK=3; *daily;
CIG=Q11_1; *cig/d 時々も喫煙日の本数;
alc_fr=Q13;
alc_am=Q13_1;
if Q20=2 then dm_T=0; *DM treatment nil;
if Q20_2=1 or Q20_2=2 then dm_T=1; * yes;
if Q20_2=3 or Q20_2=4 then dm_T=0;

proc freq; tables Q11*Q12 SMK Q13*Q13_1 Q20*Q20_2 dm_T/
norow nocol nopercnt missing;

proc sort data=F2010; by PID;
proc sort data=N2010; by PID;
proc sort data=L2010; by PID;
data R2010; merge F2010 N2010 L2010; by PID;
drop YR Q11 Q11_1 Q12 Q13 Q13_1 Q20 Q20_2;

```

```

proc print data=R2010(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2010 N2010 L2010;
run;

*===2011_H23===;
data F2011; infile 'c:\mhw\Y2011_3F.dat' LRECL=960 missover;
length PID $12;
input YR 1-2
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
NINZU 18-19 SIGUN 13 SEI 27 NENREI 28-30 NINPU 31 NIN_WKS 32-33 SIGOTO 34-35
ASA 36-37 HIRU 38-39 BAN 40-41 CHIIKI_B 42-43
@44 (CCD1-CCD99) (6.1) (C_FDX1-C_FDX34) (6.1) (D_FDX1-D_FDX18) (6.1)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;
YEAR=2000+YR;

data N2011; infile 'c:\mhw\Y2011_2N.dat' LRECL=650 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@44 (EY1-EY43) (10.4) KOK_ENE 10.4 (SPL1-SPL7) (10.4) (KY01-KY07) (10.4)
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

data L2011; infile 'c:\mhw\Y2011_1L.dat' lrecl=370 missover;
length PID $12;
input
KEN $ 6-7 TIKU $ 8-10 TANI $ 11-12 SETAI $ 14-15 SETAIIN $ 16-17
@44 HEIGHT 4.1 WEIGHT 4.1 ABD_C 4.1 @59 SOKUTEI 1.0
@60 SBP1 3.0 DBP1 3.0 SBP2 3.0 DBP2 3.0 HOSUU 5.0 SOCHAKU 1.0
@79 DRUG_HT 1. DRUG_AR 1. DRUG_DM 1. DRUG_LI 1. DRUG_TG 1. DRUG_AN 1.
@85 EXC 1. EXC_1WK 1. EXC_HR 2. EXC_MIN 2. EXC_INT 1.
@92 SHOKUGO 1.
@93 WBC 8.2 RBC 8.2 HB 8.2 HCT 8.2 PLT 8.2
@157 GLU 8.2 HBA1C 8.2 TC 8.2 HDL 8.2 LDL 8.2 TG 8.2 TP 8.2 ALB 8.2
CRE 8.2 AST 8.2 ALT 8.2 GGT 8.2 UA 8.2 FE 8.2 TIBC 8.2
@320 Q10 1.0 Q11 1.0 Q11_1 3.0
@334 Q16 1.0 Q16_1 1.0
@340 Q18 1.0 Q18_1 1.0
;
PID=KEN || TIKU || TANI || SETAI || SETAIIN;

if Q10=2 then SMK=0; *never;
if Q10=1 and Q11=3 then SMK=1; *past;
if Q10=1 and Q11=2 then SMK=2; *occasional;
if Q10=1 and Q11=1 then SMK=3; *daily;
CIG=Q11_1; *cig/d 時々は喫煙日の本数;
alc_fr=Q16;
alc_am=Q16_1;
if Q18=2 then dm_T=0;
if Q18_1=1 or Q18_1=2 then dm_T=1;
if Q18_1=3 or Q18_1=4 then dm_T=0;

proc freq; tables Q10*Q11 SMK Q16*Q16_1 Q18*Q18_1 dm_T/
norow nocol nopercnt missing;

proc sort data=F2011; by PID;
proc sort data=N2011; by PID;
proc sort data=L2011; by PID;
data R2011; merge F2011 N2011 L2011; by PID;
drop YR Q10 Q11 Q11_1 Q16 Q16_1 Q18 Q18_1;

proc print data=R2011(firstobs=1 obs=4); var PID YEAR SEI NENREI CCD1 EY1;
proc means;
proc datasets library=work; delete F2011 N2011 L2011;
run;

```