

```
FILENAME LAB "lab.dat" LRECL=1979;  
*** LRECL includes 2 positions for CRLF, assuming use of PC SAS;
```

```
DATA LAB;  
INFILE LAB MISSOVER;
```

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LENGTH  
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DMPSTAT   3  
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DMAETHNR  3  
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HSAGEIR   3  
HSAGEU    3  
HSAITMOR  4  
HSFSIZER  3  
HSHSIZER  3  
DMPCNTYR  3  
DMPFIPSR  3  
DMPMETRO  3  
DMPCREGN  3  
DMPPIR    8  
SDPPHASE  3  
SDPPSU6   4  
SDPSTRA6  4  
SDPPSU1   4  
SDPSTRA1  4  
SDPPSU2   4  
SDPSTRA2  4  
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MXPSESSR	3
MXPTIDW	3
MXPAXTMR	4
HXPTIDW	3
HXPAXTMR	4
HXPSESSR	3
PHPLANG	3
PHPHEMO	3
PHPCBM2	3
PHPINSU	3
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PHPDRIN	3
PHPDRTI	\$5
PHPDRDA	3
PHPFAS	8
PHPBEST	\$5
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WCPSI	8
LMPPCNT	8

MOPPCNT	8
GRPPCNT	8
LMP	8
MOP	8
GRP	8
RCP	8
RCPSI	8
HGP	8
HGPSI	8
HTP	8
HTPSI	8
MVPSI	8
MCPSI	8
MHP	8
MHPSI	8
RWP	8
RWPSI	8
PLP	8
PLPSI	8
DWP	8
PVPSI	8
GRPDIF	3
LMPDIF	3
MOPDIF	3
EOP	3
BOP	3
BLP	3
PRP	3
MEP	3
MLP	3
BAP	3
LAP	3
ANP	3
BSP	3
HZP	3
PKP	3
POP	3
MRP	3
MIP	3
SIP	3
SHP	3
TTP	3
TXP	3
VUP	3
PBP	8
PBPSI	8

EPP	4
EPPSI	8
FEP	3
FEPSI	8
TIP	4
TIPSI	8
PXP	8
FRP	4
FRPSI	4
FOP	8
FOPSI	8
RBP	4
RBPSI	8
VBP	4
VBPSI	8
VCP	8
VCPSI	8
ICPSI	8
CAPSI	8
SEP	4
SEPSI	8
VAP	3
VAPSI	8
VEP	4
VEPSI	8
ACP	3
ACPSI	8
BCP	4
BCPSI	8
BXP	3
BXPSI	8
LUP	3
LUPSI	8
LYP	3
LYPSI	8
REP	3
REPSI	8
COP	8
TCP	3
TCPSI	8
TGP	4
TGPSI	8
LCP	3
LCPSI	8
HDP	3
HDPSI	8

AAP	8
AAPSI	8
ABP	3
ABPSI	8
LPP	3
LPPSI	8
FHPSI	8
LHPSI	8
FBP	4
FBPSI	8
CRP	8
TEP	8
AHP	3
HBP	3
SSP	3
SAP	3
HCP	3
DHP	3
H1P	3
H2P	3
RUP	8
RUPUNIT	4
VRP	8
TOP	3
RFP	4
L1P	8
HPP	3
NAPSI	8
SKPSI	8
CLPSI	8
C3PSI	3
SCP	8
SCPSI	8
PSP	8
PSPSI	8
UAP	8
UAPSI	8
SGP	3
SGPSI	8
BUP	3
BUPSI	8
TBP	8
TBPSI	8
CEP	8
CEPSI	8
SFP	3

SFPSI	8
CHP	4
CHPSI	8
TRP	4
TRPSI	8
ASPSI	3
ATPSI	3
GGPSI	4
LDPSI	4
APPSI	4
TPP	8
TPPSI	3
AMP	8
AMPSI	3
GBP	8
GBPSI	3
OSPSI	3
GHP	8
GHPMETH	3
G1P	8
G1PSI	8
G1PCODE	3
G1PTIM1	3
G1PTIM2	3
G2P	8
G2PSI	8
C1P	8
C1PSI	8
C2P	8
C2PSI	8
I1P	8
I1PSI	8
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I2PSI	8
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URP	8
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SAS Connection established. Subprocess id is 3640

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PHPFAS 8.2  
WCP 8.2  
WCPSI 8.2  
LMPPCNT 8.2  
MOPPCNT 8.2

GRPPCNT	8.2
LMP	8.2
MOP	7.2
GRP	8.2
RCP	7.2
RCPSI	7.2
HGP	8.2
HGPSI	7.1
HTP	8.2
HTPSI	9.3
MVPSI	8.2
MCPSI	8.2
MHP	8.2
MHPSI	7.1
RWP	8.2
RWPSI	11.4
PLP	7.1
PLPSI	7.1
DWP	8.2
PVPSI	8.2
PBP	6.1
PBPSI	9.3
EPPSI	8.2
FEPSI	8.2
TIPSI	9.2
PXP	6.1
FOP	7.1
FOPSI	7.1
RBPSI	8.1
VBPSI	11.2
VCP	7.2
VCPSI	9.2
ICPSI	7.2
CAPSI	7.2
SEPSI	7.2
VAPSI	7.2
VEPSI	9.2
ACPSI	7.2
BCPSI	8.2
BXPSI	7.2
LUPSI	7.2
LYPSI	7.2
REPSI	7.2
COP	9.3
TCP	8.
TCPSI	8.2

TGP	8.
TGPSI	8.2
LCP	8.
LCPSI	7.2
HDP	8.
HDPSI	7.2
AAP	8.
AAPSI	7.2
ABP	8.
ABPSI	7.2
LPP	8.
LPPSI	7.2
FHPSI	7.1
LHPSI	6.1
FBP	8.
FBPSI	7.2
CRP	8.2
TEP	10.3
AHP	2.
HBP	2.
SSP	2.
SAP	2.
HCP	2.
DHP	2.
H1P	8.
H2P	8.
RUP	8.2
RUPUNIT	8.
VRP	8.2
RFP	8.
L1P	5.2
HPP	2.
NAPSI	7.1
SKPSI	7.2
CLPSI	7.1
C3PSI	8.
SCP	6.1
SCPSI	9.3
PSP	6.1
PSPSI	9.3
UAP	6.1
UAPSI	7.1
SGP	8.
SGPSI	8.2
BUP	8.
BUPSI	8.2

TBP	6.1
TBPSI	9.2
CEP	6.1
CEPSI	8.1
SFP	8.
SFPSI	6.1
CHP	8.
CHPSI	10.3
TRP	8.
TRPSI	10.3
ASPSI	8.
ATPSI	8.
GGPSI	8.
LDPSI	8.
APPSI	8.
TPP	6.1
TPPSI	8.
AMP	5.1
AMPSI	8.
GBP	5.1
GBPSI	8.
OSPSI	8.
GHP	6.1
GHPMETH	3.
G1P	7.1
G1PSI	10.3
G1PCODE	2.
G1PTIM1	4.
G1PTIM2	4.
G2P	7.1
G2PSI	10.3
C1P	9.3
C1PSI	9.3
C2P	10.3
C2PSI	10.3
I1P	9.2
I1PSI	10.2
I2P	9.2
I2PSI	10.2
UDP	8.2
UDPSI	9.2
URP	7.1
URPSI	6.1
UBP	8.1
UIP	9.1
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DMARACER	13
DMAETHNR	14
HSSEX	15
HSAGEIR	16-17
HSAGEU	18
HSAITMOR	19-22
HSFSIZER	23-24
HSHSIZER	25-26
DMPCNTYR	27-29
DMPFIPSR	30-31
DMPMETRO	32
DMPCREGN	33
DMPPIR	34-39
SDPPHASE	40
SDPPSU6	41
SDPSTRA6	42-43
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SDPSTRA1	45-46
SDPPSU2	47
SDPSTRA2	48-49
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WTPXRP52	1220-1228
HYAITMO	1229-1232
MXPLANG	1233
MXPSESSR	1234
MXPTIDW	1235
MXPAXTMR	1236-1239
HXPTIDW	1240
HXPAXTMR	1241-1244
HXPSESSR	1245
PHPLANG	1246
PHPHEMO	1247
PHPCBM2	1248
PHPINSU	1249
PHPSNTI	1250-1254
PHPSNDA	1255
PHPDRIN	1256
PHPDRTI	1257-1261
PHPDRDA	1262
PHPFASST	1263-1267
PHPBEST	1268-1272
WCP	1273-1277
WCPSI	1278-1282
LMPPCNT	1283-1287
MOPPCNT	1288-1292
GRPPCNT	1293-1297
LMP	1298-1302
MOP	1303-1306
GRP	1307-1311

RCP	1312-1315
RCPSI	1316-1319
HGP	1320-1324
HGPSI	1325-1329
HTP	1330-1334
HTPSI	1335-1339
MVPSI	1340-1344
MCPSI	1345-1349
MHP	1350-1354
MHPSI	1355-1359
RWP	1360-1364
RWPSI	1365-1370
PLP	1371-1375
PLPSI	1376-1380
DWP	1381-1385
PVPSI	1386-1390
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LMPDIF	1394-1396
MOPDIF	1397-1398
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BOP	1401-1402
BLP	1403
PRP	1404
MEP	1405
MLP	1406
BAP	1407-1408
LAP	1409-1410
ANP	1411
BSP	1412
HZP	1413
PKP	1414
POP	1415
MRP	1416
MIP	1417
SIP	1418
SHP	1419
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TXP	1421
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PBPSI	1427-1431
EPP	1432-1435
EPPSI	1436-1440
FEP	1441-1443
FEPSI	1444-1448
TIP	1449-1452

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PXP	1459-1462
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FRPSI	1467-1470
FOP	1471-1475
FOPSI	1476-1480
RBP	1481-1484
RBPSI	1485-1490
VBP	1491-1496
VBPSI	1497-1504
VCP	1505-1508
VCPSI	1509-1514
ICPSI	1515-1518
CAPSI	1519-1522
SEP	1523-1526
SEPSI	1527-1530
VAP	1531-1533
VAPSI	1534-1537
VEP	1538-1542
VEPSI	1543-1548
ACP	1549-1551
ACPSI	1552-1555
BCP	1556-1559
BCPSI	1560-1564
BXP	1565-1567
BXPSI	1568-1571
LUP	1572-1574
LUPSI	1575-1578
LYP	1579-1581
LYPSI	1582-1585
REP	1586-1588
REPSI	1589-1592
COP	1593-1597
TCP	1598-1600
TCPSI	1601-1605
TGP	1606-1609
TGPSI	1610-1614
LCP	1615-1617
LCPSI	1618-1621
HDP	1622-1624
HDPSI	1625-1628
AAP	1629-1631
AAPSI	1632-1635
ABP	1636-1638
ABPSI	1639-1642
LPP	1643-1645

LPPSI	1646-1649
FHPSI	1650-1654
LHPSI	1655-1658
FBP	1659-1662
FBPSI	1663-1666
CRP	1667-1671
TEP	1672-1677
AHP	1678
HBP	1679
SSP	1680-1681
SAP	1682
HCP	1683
DHP	1684
H1P	1685
H2P	1686
RUP	1687-1691
RUPUNIT	1692-1695
VRP	1696-1700
TOP	1701-1703
RFP	1704-1708
L1P	1709-1713
HPP	1714
NAPSI	1715-1719
SKPSI	1720-1723
CLPSI	1724-1728
C3PSI	1729-1730
SCP	1731-1734
SCPSI	1735-1739
PSP	1740-1743
PSPSI	1744-1748
UAP	1749-1752
UAPSI	1753-1757
SGP	1758-1760
SGPSI	1761-1765
BUP	1766-1768
BUPSI	1769-1773
TBP	1774-1777
TBPSI	1778-1783
CEP	1784-1787
CEPSI	1788-1793
SFP	1794-1796
SFPSI	1797-1800
CHP	1801-1804
CHPSI	1805-1810
TRP	1811-1814
TRPSI	1815-1820

ASPSI	1821-1823
ATPSI	1824-1826
GGPSI	1827-1830
LDPSI	1831-1834
APPSI	1835-1838
TPP	1839-1842
TPPSI	1843-1845
AMP	1846-1848
AMPSI	1849-1851
GBP	1852-1854
GBPSI	1855-1857
OSPSI	1858-1860
GHP	1861-1864
GHPMETH	1865
G1P	1866-1870
G1PSI	1871-1876
G1PCODE	1877-1878
G1PTIM1	1879-1881
G1PTIM2	1882-1884
G2P	1885-1889
G2PSI	1890-1895
C1P	1896-1900
C1PSI	1901-1905
C2P	1906-1911
C2PSI	1912-1917
I1P	1918-1923
I1PSI	1924-1930
I1P2PFLG	1931
I2P	1932-1937
I2PSI	1938-1944
UDP	1945-1949
UDPSI	1950-1955
URP	1956-1960
URPSI	1961-1964
UBP	1965-1970
UIP	1971-1977

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<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

LABEL

SEQN	= "Sample person identification number"
DMPFSEQ	= "Family sequence number"
DMPSTAT	= "Examination/interview Status"
DMARETHN	= "Race-ethnicity"
DMARACER	= "Race"
DMAETHNR	= "Ethnicity"

HSSEX = "Sex"  
 HSAGEIR = "Age at interview (Screener)"  
 HSAGEU = "Age at interview - unit (Screener)"  
 HSAITMOR = "Age in months at interview (screener)"  
 HSFSIZER = "Family size (persons in family)"  
 HSHSIZER = "Household size (persons in dwelling)"  
 DMPCNTYR = "County code"  
 DMPFIPSR = "FIPS code for State"  
 DMPMETRO = "Rural/urban code based on USDA code"  
 DMPCREGN = "Census region, weighting(Texas in south)"  
 DMPPIR = "Poverty Income Ratio (unimputed income)"  
 SDPPHASE = "Phase of NHANES III survey"  
 SDPPSU6 = "Total NHANES III pseudo-PSU"  
 SDPSTRA6 = "Total NHANES III pseudo-stratum"  
 SDPPSU1 = "Pseudo-PSU for phase 1"  
 SDPSTRA1 = "Pseudo-stratum for phase 1"  
 SDPPSU2 = "Pseudo-PSU for phase 2"  
 SDPSTRA2 = "Pseudo-stratum for phase 2"  
 WTPFQX6 = "Total interviewed sample final weight"  
 WTPFEX6 = "Total MEC-examined sample final weight"  
 WTPFHX6 = "Total M+H examined sample final weight"  
 WTPFALG6 = "Total allergy subsample final weight"  
 WTPFCNS6 = "Total CNS subsample final weight"  
 WTPFSD6 = "Total morning subsample final wgt"  
 WTPFMD6 = "Total afternoon/eve subsample final wgt"  
 WTPFHSD6 = "Total M+H morning subsample final wgt"  
 WTPFHMD6 = "Total M+H afternoon subsample final wgt"  
 WTPFQX1 = "Phase 1 interviewed sample final wgt"  
 WTPFEX1 = "Phase 1 MEC examined sample final wgt"  
 WTPFHX1 = "Phase 1 M+H examined sample final wgt"  
 WTPFALG1 = "Phase 1 allergy subsample final wgt"  
 WTPFCNS1 = "Phase 1 CNS subsample final wgt"  
 WTPFSD1 = "Phase 1 morning sess subsample final wgt"  
 WTPFMD1 = "Phase 1 aft/eve subsample final wgt"  
 WTPFHSD1 = "Phase 1 morning M+H subsample final wgt"  
 WTPFHMD1 = "Phase 1 aft/eve M+H subsample final wgt"  
 WTPFQX2 = "Phase 2 interviewed sample final wgt"  
 WTPFEX2 = "Phase 2 MEC examined sample final wgt"  
 WTPFHX2 = "Phase 2 M+H examined sample final wgt"  
 WTPFALG2 = "Phase 2 allergy subsample final wgt"  
 WTPFCNS2 = "Phase 2 CNS subsample final wgt"  
 WTPFSD2 = "Phase 2 morning sess subsample final wgt"  
 WTPFMD2 = "Phase 2 aft/eve subsample final wgt"  
 WTPFHSD2 = "Phase 2 morning M+H subsample final wgt"  
 WTPFHMD2 = "Phase 2 aft/eve M+H subsample final wgt"  
 WTPQRP1 = "Replicate 1 final interview weight"

WTPQRP2 = "Replicate 2 final interview weight"  
 WTPQRP3 = "Replicate 3 final interview weight"  
 WTPQRP4 = "Replicate 4 final interview weight"  
 WTPQRP5 = "Replicate 5 final interview weight"  
 WTPQRP6 = "Replicate 6 final interview weight"  
 WTPQRP7 = "Replicate 7 final interview weight"  
 WTPQRP8 = "Replicate 8 final interview weight"  
 WTPQRP9 = "Replicate 9 final interview weight"  
 WTPQRP10 = "Replicate 10 final interview weight"  
 WTPQRP11 = "Replicate 11 final interview weight"  
 WTPQRP12 = "Replicate 12 final interview weight"  
 WTPQRP13 = "Replicate 13 final interview weight"  
 WTPQRP14 = "Replicate 14 final interview weight"  
 WTPQRP15 = "Replicate 15 final interview weight"  
 WTPQRP16 = "Replicate 16 final interview weight"  
 WTPQRP17 = "Replicate 17 final interview weight"  
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 WTPQRP21 = "Replicate 21 final interview weight"  
 WTPQRP22 = "Replicate 22 final interview weight"  
 WTPQRP23 = "Replicate 23 final interview weight"  
 WTPQRP24 = "Replicate 24 final interview weight"  
 WTPQRP25 = "Replicate 25 final interview weight"  
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 WTPQRP46 = "Replicate 46 final interview weight"  
 WTPQRP47 = "Replicate 47 final interview weight"



WTPQRP48 = "Replicate 48 final interview weight"  
 WTPQRP49 = "Replicate 49 final interview weight"  
 WTPQRP50 = "Replicate 50 final interview weight"  
 WTPQRP51 = "Replicate 51 final interview weight"  
 WTPQRP52 = "Replicate 52 final interview weight"  
 WTPXRP1 = "Replicate 1 final exam weight"  
 WTPXRP2 = "Replicate 2 final exam weight"  
 WTPXRP3 = "Replicate 3 final exam weight"  
 WTPXRP4 = "Replicate 4 final exam weight"  
 WTPXRP5 = "Replicate 5 final exam weight"  
 WTPXRP6 = "Replicate 6 final exam weight"  
 WTPXRP7 = "Replicate 7 final exam weight"  
 WTPXRP8 = "Replicate 8 final exam weight"  
 WTPXRP9 = "Replicate 9 final exam weight"  
 WTPXRP10 = "Replicate 10 final exam weight"  
 WTPXRP11 = "Replicate 11 final exam weight"  
 WTPXRP12 = "Replicate 12 final exam weight"  
 WTPXRP13 = "Replicate 13 final exam weight"  
 WTPXRP14 = "Replicate 14 final exam weight"  
 WTPXRP15 = "Replicate 15 final exam weight"  
 WTPXRP16 = "Replicate 16 final exam weight"  
 WTPXRP17 = "Replicate 17 final exam weight"  
 WTPXRP18 = "Replicate 18 final exam weight"  
 WTPXRP19 = "Replicate 19 final exam weight"  
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 WTPXRP26 = "Replicate 26 final exam weight"  
 WTPXRP27 = "Replicate 27 final exam weight"  
 WTPXRP28 = "Replicate 28 final exam weight"  
 WTPXRP29 = "Replicate 29 final exam weight"  
 WTPXRP30 = "Replicate 30 final exam weight"  
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 WTPXRP32 = "Replicate 32 final exam weight"  
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 WTPXRP34 = "Replicate 34 final exam weight"  
 WTPXRP35 = "Replicate 35 final exam weight"  
 WTPXRP36 = "Replicate 36 final exam weight"  
 WTPXRP37 = "Replicate 37 final exam weight"  
 WTPXRP38 = "Replicate 38 final exam weight"  
 WTPXRP39 = "Replicate 39 final exam weight"  
 WTPXRP40 = "Replicate 40 final exam weight"  
 WTPXRP41 = "Replicate 41 final exam weight"

WTPXRP42 = "Replicate 42 final exam weight"  
 WTPXRP43 = "Replicate 43 final exam weight"  
 WTPXRP44 = "Replicate 44 final exam weight"  
 WTPXRP45 = "Replicate 45 final exam weight"  
 WTPXRP46 = "Replicate 46 final exam weight"  
 WTPXRP47 = "Replicate 47 final exam weight"  
 WTPXRP48 = "Replicate 48 final exam weight"  
 WTPXRP49 = "Replicate 49 final exam weight"  
 WTPXRP50 = "Replicate 50 final exam weight"  
 WTPXRP51 = "Replicate 51 final exam weight"  
 WTPXRP52 = "Replicate 52 final exam weight"  
 HYAITMO = "Age in months at youth interview"  
 MXPLANG = "Language used by SP in MEC"  
 MXPSESSR = "Session for MEC examination"  
 MXPTIDW = "Day of week of MEC exam"  
 MXPAXTMR = "Age in months at MEC exam"  
 HXPTIDW = "Day of week of home exam"  
 HXPAXTMR = "Age in months at home exam"  
 HXPSESSR = "Session for home examination"  
 PHPLANG = "Language"  
 PHPHEMO = "Do you have hemophilia?"  
 PHPCHM2 = "Recent chemo/within the past four weeks"  
 PHPINSU = "Are you currently taking insulin?"  
 PHPSNTI = "Time participant last ate"  
 PHPSNDA = "Day participant last ate"  
 PHPDRIN = "Have you had anything to drink?"  
 PHPDRTI = "Time participant last drank"  
 PHPDRDA = "Day participant last drank"  
 PHPFAST = "Length of calculated fast (in hours)"  
 PHPBEST = "Time of venipuncture"  
 WCP = "White blood cell count"  
 WCPSI = "White blood cell count: SI"  
 LMPPCNT = "Lymphocyte percent (Coulter)"  
 MOPPCNT = "Mononuclear percent (Coulter)"  
 GRPPCNT = "Granulocyte percent (Coulter)"  
 LMP = "Lymphocyte number (Coulter)"  
 MOP = "Mononuclear number (Coulter)"  
 GRP = "Granulocyte number (Coulter)"  
 RCP = "Red blood cell count"  
 RCPSI = "Red blood cell count: SI"  
 HGP = "Hemoglobin (g/dL)"  
 HGPSI = "Hemoglobin: SI (g/L)"  
 HTP = "Hematocrit (%)"  
 HTPSI = "Hematocrit: SI (L/L=1)"  
 MVPSI = "Mean cell volume: SI (fL)"  
 MCPSI = "Mean cell hemoglobin: SI (pg)"

MHP = "Mean cell hemoglobin concentration"  
MHPSI = "Mean cell hemoglobin concentration: SI"  
RWP = "Red cell distribution width (%)"  
RWPSI = "Red cell distribution width:SI(fraction)"  
PLP = "Platelet count"  
PLPSI = "Platelet count: SI"  
DWP = "Platelet distribution width (%)"  
PVPSI = "Mean platelet volume: SI (fL)"  
GRPDIF = "Segment neutrophil(percent of 100 cells)"  
LMPDIF = "Lymphocytes (percent of 100 cells)"  
MOPDIF = "Monocytes (percent of 100 cells)"  
EOP = "Eosinophils (percent of 100 cells)"  
BOP = "Basophils (percent of 100 cells)"  
BLP = "Blasts (percent of 100 cells)"  
PRP = "Promyelocytes (percent of 100 cells)"  
MEP = "Metamyelocytes (percent of 100 cells)"  
MLP = "Myelocytes (percent of 100 cells)"  
BAP = "Bands (percent of 100 cells)"  
LAP = "Atyp lymphocytes (percent of 100 cells)"  
ANP = "Anisocytosis (variation of cell size)"  
BSP = "Basophilic stippling"  
HZP = "Hypochromia (stain intensity of cell)"  
PKP = "Poikilocytosis (cell shape variation)"  
POP = "Polychromatophilia(bluish color of cell)"  
MRP = "Macrocytosis (large cell prevalence)"  
MIP = "Microcytosis (small cell prevalence)"  
SIP = "Sickle cells"  
SHP = "Spherocytosis"  
TTP = "Target cells"  
TXP = "Toxic granulation"  
VUP = "Vacuolated cells"  
PBP = "Lead (ug/dL)"  
PBPSI = "Lead: SI (umol/L)"  
EPP = "Erythrocyte protoporphyrin (ug/dL)"  
EPPSI = "Erythrocyte protoporphyrin: SI (umol/L)"  
FEP = "Serum iron (ug/dL)"  
FEPSI = "Serum iron: SI (umol/L)"  
TIP = "Serum TIBC (ug/dL)"  
TIPSI = "Serum TIBC: SI (umol/L)"  
PXP = "Serum transferrin saturation (%)"  
FRP = "Serum ferritin (ng/mL)"  
FRPSI = "Serum ferritin: SI (ug/L)"  
FOP = "Serum folate (ng/mL)"  
FOPSI = "Serum folate: SI (nmol/L)"  
RBP = "RBC folate (ng/mL)"  
RBPSI = "RBC folate: SI (nmol/L)"

VBP = "Serum vitamin B12 (pg/mL)"  
 VBPSI = "Serum vitamin B12: SI (pmol/L)"  
 VCP = "Serum vitamin C (mg/dL)"  
 VCPSI = "Serum vitamin C: SI (mmol/L)"  
 ICPSI = "Serum normalized calcium: SI (mmol/L)"  
 CAPSI = "Serum total calcium: SI (mmol/L)"  
 SEP = "Serum selenium (ng/mL)"  
 SEPSI = "Serum selenium: SI (nmol/L)"  
 VAP = "Serum vitamin A (ug/dL)"  
 VAPSI = "Serum vitamin A: SI (umol/L)"  
 VEP = "Serum vitamin E (ug/dL)"  
 VEPSI = "Serum vitamin E: SI (umol/L)"  
 ACP = "Serum alpha carotene (ug/dL)"  
 ACPSI = "Serum alpha carotene: SI (umol/L)"  
 BCP = "Serum beta carotene (ug/dL)"  
 BCPSI = "Serum beta carotene: SI (umol/L)"  
 BXP = "Serum beta cryptoxanthin (ug/dL)"  
 BXPSI = "Serum beta cryptoxanthin: SI (umol/L)"  
 LUP = "Serum lutein/zeaxanthin (ug/dL)"  
 LUPSI = "Serum lutein/zeaxanthin: SI (umol/L)"  
 LYP = "Serum lycopene (ug/dL)"  
 LYPSI = "Serum lycopene: SI (umol/L)"  
 REP = "Serum sum retinyl esters (ug/dL)"  
 REPSI = "Serum sum retinyl esters: SI (umol/L)"  
 COP = "Serum cotinine (ng/mL)"  
 TCP = "Serum cholesterol (mg/dL)"  
 TCPSI = "Serum cholesterol: SI (mmol/L)"  
 TGP = "Serum triglycerides (mg/dL)"  
 TGPSI = "Serum triglycerides: SI (mmol/L)"  
 LCP = "Serum LDL cholesterol (mg/dL)"  
 LCPSI = "Serum LDL cholesterol: SI (mmol/L)"  
 HDP = "Serum HDL cholesterol (mg/dL)"  
 HDPSI = "Serum HDL cholesterol: SI (mmol/L)"  
 AAP = "Serum apolipoprotein AI (mg/dL)"  
 AAPSI = "Serum apolipoprotein AI: SI (g/L)"  
 ABP = "Serum apolipoprotein B (mg/dL)"  
 ABPSI = "Serum apolipoprotein B: SI (g/L)"  
 LPP = "Serum lipoprotein(a) (mg/dL)"  
 LPPSI = "Serum lipoprotein(a): SI (g/L)"  
 FHPSI = "Serum FSH: SI (IU/L)"  
 LHPSI = "Serum luteinizing hormone: SI (IU/L)"  
 FBP = "Plasma fibrinogen (mg/dL)"  
 FBPSI = "Plasma fibrinogen: SI (g/L)"  
 CRP = "Serum C-reactive protein (mg/dL)"  
 TEP = "Serum tetanus antibody (U/mL)"  
 AHP = "Serum hepatitis A antibody"

HBP = "Serum hepatitis B core antibody"  
 SSP = "Serum hepatitis B surface antibody"  
 SAP = "Serum hepatitis B surface antigen"  
 HCP = "Serum hepatitis C antibody"  
 DHP = "Serum hepatitis D antibody"  
 H1P = "Serum herpes I antibody"  
 H2P = "Serum herpes II antibody"  
 RUP = "Serum rubella antibody"  
 RUPUNIT = "Serum rubella antibody (IU)"  
 VRP = "Serum varicella antibody"  
 TOP = "Serum toxoplasmosis antibody"  
 RFP = "Serum rheumatoid factor antibody"  
 L1P = "Serum latex antibody (IU/mL)"  
 HPP = "Serum helicobacter pylori antibody"  
 NAPSI = "Serum sodium: SI (mmol/L)"  
 SKPSI = "Serum potassium: SI (mmol/L)"  
 CLPSI = "Serum chloride: SI (mmol/L)"  
 C3PSI = "Serum bicarbonate: SI (mmol/L)"  
 SCP = "Serum total calcium (mg/dL)"  
 SCPSI = "Serum total calcium: SI (mmol/L)"  
 PSP = "Serum phosphorus (mg/dL)"  
 PSPSI = "Serum phosphorus: SI (mmol/L)"  
 UAP = "Serum uric acid (mg/dL)"  
 UAPSI = "Serum uric acid: SI (umol/L)"  
 SGP = "Serum glucose (mg/dL)"  
 SGPSI = "Serum glucose: SI (mmol/L)"  
 BUP = "Serum blood urea nitrogen (mg/dL)"  
 BUPSI = "Serum blood urea nitrogen: SI (mmol/L)"  
 TBP = "Serum total bilirubin (mg/dL)"  
 TBPSI = "Serum total bilirubin: SI (umol/L)"  
 CEP = "Serum creatinine (mg/dL)"  
 CEPSI = "Serum creatinine: SI (umol/L)"  
 SFP = "Serum iron (ug/dL)"  
 SFPSI = "Serum iron: SI (umol/L)"  
 CHP = "Serum cholesterol (mg/dL)"  
 CHPSI = "Serum cholesterol: SI (mmol/L)"  
 TRP = "Serum triglycerides (mg/dL)"  
 TRPSI = "Serum triglycerides: SI (mmol/L)"  
 ASPSI = "Aspartate aminotransferase: SI (U/L)"  
 ATPSI = "Alanine aminotransferase: SI (U/L)"  
 GGPSI = "Gamma glutamyl transferase: SI (U/L)"  
 LDPSI = "Serum lactate dehydrogenase: SI (U/L)"  
 APPSI = "Serum alkaline phosphatase: SI (U/L)"  
 TPP = "Serum total protein (g/dL)"  
 TPPSI = "Serum total protein: SI (g/L)"  
 AMP = "Serum albumin (g/dL)"

```

AMPSI    = "Serum albumin:  SI (g/L)"
GBP      = "Serum globulin (g/dL)"
GBPSI    = "Serum globulin:  SI (g/L)"
OSPSI    = "Serum osmolality: SI (mmol/Kg)"
GHP      = "Glycated hemoglobin: (%)"
GHPMETH  = "Glycated hemoglobin: test method"
G1P      = "Plasma glucose (mg/dL)"
G1PSI    = "Plasma glucose:  SI (mmol/L)"
G1PCODE  = "Incomplete glucose test (OGTT) code"
G1PTIM1  = "Minutes between drink and second draw"
G1PTIM2  = "Minutes between first and second draw"
G2P      = "Second plasma glucose (mg/dL)"
G2PSI    = "Second plasma glucose: SI (mmol/L)"
C1P      = "Serum C-peptide (pmol/mL)"
C1PSI    = "Serum C-peptide:  SI (nmol/L)"
C2P      = "Second serum C-peptide (pmol/mL)"
C2PSI    = "Second serum C-peptide: SI (nmol/L)"
I1P      = "Serum insulin (uU/mL)"
I1PSI    = "Serum insulin:  SI (pmol/L)"
I1P2PFLG = "Serum insulin: test kit"
I2P      = "Second serum insulin (uU/mL)"
I2PSI    = "Second serum insulin: SI (pmol/L)"
UDP      = "Urinary cadmium (ng/mL)"
UDPSI    = "Urinary cadmium:  SI (nmol/L)"
URP      = "Urinary creatinine (mg/dL)"
URPSI    = "Urinary creatinine: SI (mmol/L)"
UBP      = "Urinary albumin (ug/mL)"
UIP      = "Urinary iodine (ug/dL)"
;

```

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<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

```

```

proc export data=LAB
    outfile='lab.csv'
    dbms=csv
    replace;
run;

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

```