```
Command  . . . . . . . . . . . . :    CRTBNDRPG
  Issued by  . . . . . . . . . . :      DC433E01
Program  . . . . . . . . . . . . :    COVIDPRG
  Library  . . . . . . . . . . . :      DC433E01
Text 'description' . . . . . . . :    *SRCMBRTXT

Source Member  . . . . . . . . . :    COVIDPRG
Source File  . . . . . . . . . . :    LAB3
  Library  . . . . . . . . . . . :      DC433E01
  CCSID  . . . . . . . . . . . . :      37
Text 'description' . . . . . . . :
Last Change  . . . . . . . . . . :    06/16/21  16:08:44

Generation severity level  . . . :    10
Default activation group . . . . :    *YES
Compiler options . . . . . . . . :    *XREF      *GEN       *NOSECLVL  *SHOWCPY
                                       *EXPDDS    *EXT       *NOSHOWSKP *NOSRCSTMT
                                       *DEBUGIO   *UNREF     *EVENTF
Debugging views  . . . . . . . . :    *SOURCE
Debug encryption key . . . . . . :    *NONE
Output . . . . . . . . . . . . . :    *PRINT
Optimization level . . . . . . . :    *NONE
Source listing indentation . . . :    *NONE
Type conversion options  . . . . :    *NONE
Sort sequence  . . . . . . . . . :    *HEX
Language identifier  . . . . . . :    *JOBRUN
Replace program  . . . . . . . . :    *YES
User profile . . . . . . . . . . :    *USER
Authority  . . . . . . . . . . . :    *LIBCRTAUT
Truncate numeric . . . . . . . . :    *YES
Fix numeric  . . . . . . . . . . :    *NONE
Target release . . . . . . . . . :    *CURRENT
Allow null values  . . . . . . . :    *NO
Define condition names . . . . . :    *NONE
Enable performance collection  . :    *PEP
Profiling data . . . . . . . . . :    *NOCOL
Licensed Internal Code options . :
Generate program interface . . . :    *NO
Include directory  . . . . . . . :
Preprocessor options . . . . . . :    *NONE
```

```
Line   <------------------- Source Specifications ---------------------><---- Comments ----> Do  Page  Change Src Seq
Number ....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8....+....9....+...10 Num Line  Date   Id  Number
```

                S o u r c e   L i s t i n g


```
    1   DCL-F COVIDDSP WORKSTN;                                                                      210609     000100
        *------------------------------------------------------------------------------------*
        *                                RPG name          External name                     *
        * File name. . . . . . . . . :   COVIDDSP          DC433E01/COVIDDSP                  *
        * Record format(s) . . . . . :   RISKFACTOR        RISKFACTOR                         *
        *                                RISKASSMNT        RISKASSMNT                         *
        *------------------------------------------------------------------------------------*
    2   DCL-F COVIDINFO WORKSTN;                                                                      210616     000101
        *------------------------------------------------------------------------------------*
        *                                RPG name          External name                     *
        * File name. . . . . . . . . :   COVIDINFO         DC433E01/COVIDINFO                 *
        * Record format(s) . . . . . :   CINFO             CINFO                              *
        *------------------------------------------------------------------------------------*
    3                                                                                                210609     000102


    4=IRISKFACTOR                                                                                     1000001
        *------------------------------------------------------------------------------------*       1
        * RPG record format  . . . . :   RISKFACTOR                                          *       1
        * External format  . . . . . :   RISKFACTOR : DC433E01/COVIDDSP                      *       1
        *------------------------------------------------------------------------------------*       1
    5=I                             *ISO-D   1   10   BIRTHDATE                                        1000002
    6=I                              A   11   11   GENDER                                             1000003
    7=I                              A   12   12   CVDISEASE                                          1000004
    8=I                              A   13   13   DIABETES                                           1000005
    9=I                              A   14   14   RSPDISEASE                                         1000006
   10=I                              A   15   15   HBPRESSURE                                         1000007
   11=IRISKASSMNT                                                                                     2000001
        *------------------------------------------------------------------------------------*       2
        * RPG record format  . . . . :   RISKASSMNT                                          *       2
        * External format  . . . . . :   RISKASSMNT : DC433E01/COVIDDSP                      *       2
        *------------------------------------------------------------------------------------*       2
   12=I                              N    2    2   *IN01                     Cohort Info              2000002
   13=I                              N    1    1   *IN03                     Exit Program             2000003
   14=ICINFO                                                                                          3000001
        *------------------------------------------------------------------------------------*       3
        * RPG record format  . . . . :   CINFO                                               *       3
        * External format  . . . . . :   CINFO : DC433E01/COVIDINFO                          *       3
        *------------------------------------------------------------------------------------*       3


   15   BIRTHDATE = %DATE();                                                                         210616     000103
   16   EXFMT RISKFACTOR;                                                                            210609     000104
   17                                                                                                210609     000105
   18   DOW NOT(*IN03);                                                                         B01  210609     000106
   19     IF GENDER = '';                                                                       B02  210609     000107
   20        *IN95 = *ON;                                                                        02  210609     000108
   21        EXFMT RISKFACTOR;                                                                   02  210609     000109
   22        *IN95 = *OFF;                                                                       02  210609     000110
   23        ITER;                                                                               02  210609     000111
   24     ElseIf CVDISEASE = '';                                                                X02  210609     000112
```

```
Line  <--------------------- Source Specifications ----------------------------><---- Comments ----> Do  Page  Change Src Seq
Number ....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8....+....9....+...10 Num Line  Date   Id  Number
    25        *IN96 = *ON;                                                                            02          210609    000113
    26        EXFMT RISKFACTOR;                                                                       02          210609    000114
    27        *IN96 = *OFF;                                                                           02          210609    000115
    28        ITER;                                                                                   02          210609    000116
    29      ElseIf DIABETES = '';                                                                    X02          210609    000117
    30        *IN97 = *ON;                                                                            02          210609    000118
    31        EXFMT RISKFACTOR;                                                                       02          210609    000119
    32        *IN97 = *OFF;                                                                           02          210609    000120
    33        ITER;                                                                                   02          210609    000121
    34      ElseIf RSPDISEASE = '';                                                                  X02          210609    000122
    35        *IN98 = *ON;                                                                            02          210609    000123
    36        EXFMT RISKFACTOR;                                                                       02          210609    000124
    37        *IN98 = *OFF;                                                                           02          210609    000125
    38        ITER;                                                                                   02          210609    000126
    39      ElseIf HBPRESSURE = '';                                                                  X02          210609    000127
    40        *IN99 = *ON;                                                                            02          210609    000128
    41        EXFMT RISKFACTOR;                                                                       02          210609    000129
    42        *IN99 = *OFF;                                                                           02          210609    000130
    43        ITER;                                                                                   02          210609    000131
    44      Else;                                                                                    X02          210609    000132
    45        EXSR DETERMINERISK;                                                                     02          210609    000133
    46        TOTALQ = TOTALQ + 1;                                                                    02          210609    000134
    47        *IN60 = *ON;                                                                            02          210609    000135
    48        WRITE RISKFACTOR;                                                                       02          210609    000136
    49        EXFMT RISKASSMNT;                                                                       02          210609    000137
    50        *IN60 = *OFF;                                                                           02          210609    000139
    51        IF *IN01;                                                                              B03          210616    000141
    52          EXFMT CINFO;                                                                          03          210616    000142
    53        ENDIF;                                                                                 E03          210616    000143
    54        IF *IN03=*OFF;                                                                         B03          210609    000144
    55          EXSR CLEAR;                                                                           03          210609    000145
    56          EXFMT RISKFACTOR;                                                                     03          210609    000146
    57        ENDIF;                                                                                 E03          210609    000147
    58      ENDIF;                                                                                   E02          210609    000148
    59    ENDDO;                                                                                     E01          210609    000149
    60    *INLR = *ON;                                                                                            210609    000150
    61    RETURN;                                                                                                 210609    000151
    62                                                                                                            210609    000152
    63    BEGSR DETERMINERISK;                                                                                    210609    000153
    64      AGE = %diff(%date():BIRTHDATE:*Y);                                                                    210616    000154
    65      EXSR AGEFACTOR;                                                                                       210616    000156
    66      EXSR OTHERFACTORS;                                                                                    210616    000157
    67      EXSR COHORTFACTORS;                                                                                   210616    000158
    68    ENDSR;                                                                                                  210609    000159
    69                                                                                                            210609    000160
    70    BEGSR CLEAR;                                                                                            210609    000161
    71      BIRTHDATE = %DATE();                                                                                  210616    000162
    72      CLEAR GENDER;                                                                                         210609    000163
    73      CLEAR CVDISEASE;                                                                                      210609    000164
    74      CLEAR DIABETES;                                                                                       210609    000165
    75      CLEAR RSPDISEASE;                                                                                     210609    000166
    76      CLEAR HBPRESSURE;                                                                                     210609    000167
    77    ENDSR;                                                                                                  210609    000168
    78                                                                                                            210616    000169
    79    BEGSR AGEFACTOR;                                                                                        210616    000170
    80      SELECT;                                                                                  B01          210616    000172
```

```
Line    <--------------------- Source Specifications ---------------------------><---- Comments ----> Do  Page  Change Src  Seq
Number ....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8....+....9....+...10 Num Line  Date   Id   Number
    81          WHEN (AGE >= 80 AND AGE <= 99);                                                       X01        210616      000173
    82            FRATE = 14.800;                                                                      01        210616      000174
    83          WHEN (AGE >= 70);                                                                     X01        210616      000175
    84            FRATE = 8.000;                                                                       01        210616      000176
    85          WHEN (AGE >= 60);                                                                     X01        210616      000177
    86            FRATE = 3.600;                                                                       01        210616      000178
    87          WHEN (AGE >= 50);                                                                     X01        210616      000179
    88            FRATE = 1.300;                                                                       01        210616      000180
    89          WHEN (AGE >= 40);                                                                     X01        210616      000181
    90            FRATE = 0.400;                                                                       01        210616      000182
    91          WHEN (AGE >= 30);                                                                     X01        210616      000183
    92            FRATE = 0.250;                                                                       01        210616      000184
    93          WHEN (AGE >= 20);                                                                     X01        210616      000185
    94            FRATE = 0.230;                                                                       01        210616      000186
    95          WHEN (AGE >= 10);                                                                     X01        210616      000187
    96            FRATE = 0.200;                                                                       01        210616      000188
    97          WHEN (AGE >= 0);                                                                      X01        210616      000189
    98            FRATE = 0.100;                                                                       01        210616      000190
    99          OTHER;                                                                                X01        210616      000191
   100            FRATE = 0.000;                                                                       01        210616      000192
   101        ENDSL;                                                                                  E01        210616      000193
   102    ENDSR;                                                                                               210616      000194
   103                                                                                                         210616      000195
   104    BEGSR OTHERFACTORS;                                                                                  210616      000196
   105      IF (GENDER = 'F');                                                                        B01        210616      000197
   106        FRATE -= 0.050;                                                                          01        210616      000198
   107      ENDIF;                                                                                    E01        210616      000199
   108      IF (CVDISEASE = 'Y');                                                                     B01        210616      000200
   109        FRATE += 0.800;                                                                          01        210616      000201
   110      ENDIF;                                                                                    E01        210616      000205
   111      IF (DIABETES = 'Y');                                                                      B01        210616      000206
   112        FRATE += 0.600;                                                                          01        210616      000207
   113      ENDIF;                                                                                    E01        210616      000215
   114      IF (HBPRESSURE = 'Y');                                                                    B01        210616      000216
   115        FRATE += 0.300;                                                                          01        210616      000218
   116      ENDIF;                                                                                    E01        210616      000223
   117      IF (RSPDISEASE = 'Y');                                                                    B01        210616      000224
   118        FRATE += 0.400;                                                                          01        210616      000225
   119      ENDIF;                                                                                    E01        210616      000230
   120    ENDSR;                                                                                               210616      000235
   121                                                                                                         210616      000236
   122    BEGSR COHORTFACTORS;                                                                                 210616      000237
   123      SELECT;                                                                                   B01        210616      000238
   124        WHEN (FRATE >= 9.500 AND FRATE <= 99.999);                                              X01        210616      000239
   125          COHORT = 'Group 1';                                                                    01        210616      000240
   126        WHEN (FRATE >= 5.500);                                                                  X01        210616      000241
   127          COHORT = 'Group 2';                                                                    01        210616      000242
   128        WHEN (FRATE >= 3.500);                                                                  X01        210616      000243
   129          COHORT = 'Group 3';                                                                    01        210616      000244
   130        WHEN (FRATE >= 1.500);                                                                  X01        210616      000245
   131          COHORT = 'Group 4';                                                                    01        210616      000246
   132        WHEN (FRATE >= 0.000);                                                                  X01        210616      000247
   133          COHORT = 'Group 5';                                                                    01        210616      000248
   134      ENDSL;                                                                                    E01        210616      000249
   135    ENDSR;                                                                                               210616      000250
   136=ORISKFACTOR                                                                                                        4000001
```

```
Line    <-------------------- Source Specifications ----------------------------><---- Comments ----> Do  Page  Change Src Seq
Number ....1....+....2....+....3....+....4....+....5....+....6....+....7....+....8....+....9....+...10 Num Line  Date    Id  Number
         *------------------------------------------------------------------------------------------*          4
         * RPG record format  . . . . :  RISKFACTOR                                                 *          4
         * External format  . . . . . :  RISKFACTOR : DC433E01/COVIDDSP                             *          4
         *------------------------------------------------------------------------------------------*          4
   137=O                          *IN60               1N CHAR        1                                            4000002
   138=O                          *IN95               2N CHAR        1                                            4000003
   139=O                          *IN96               3N CHAR        1                                            4000004
   140=O                          *IN97               4N CHAR        1                                            4000005
   141=O                          *IN98               5N CHAR        1                                            4000006
   142=O                          *IN99               6N CHAR        1                                            4000007
   143=O                          BIRTHDATE          16D DATE *ISO- 10                                            4000008
   144=O                          GENDER             17A CHAR        1                                            4000009
   145=O                          CVDISEASE          18A CHAR        1                                            4000010
   146=O                          DIABETES           19A CHAR        1                                            4000011
   147=O                          RSPDISEASE         20A CHAR        1                                            4000012
   148=O                          HBPRESSURE         21A CHAR        1                                            4000013
   149=ORISKASSMNT                                                                                               5000001
         *------------------------------------------------------------------------------------------*          5
         * RPG record format  . . . . :  RISKASSMNT                                                 *          5
         * External format  . . . . . :  RISKASSMNT : DC433E01/COVIDDSP                             *          5
         *------------------------------------------------------------------------------------------*          5
   150=O                          AGE                 3S ZONE        3,0                                          5000002
   151=O                          FRATE               8S ZONE        5,3                                          5000003
   152=O                          COHORT             17A CHAR        9                                            5000004
   153=O                          TOTALQ             20S ZONE        3,0                                          5000005
   154=OCINFO                                                                                                    6000001
         *------------------------------------------------------------------------------------------*          6
         * RPG record format  . . . . :  CINFO                                                      *          6
         * External format  . . . . . :  CINFO : DC433E01/COVIDINFO                                 *          6
         *------------------------------------------------------------------------------------------*          6

       * * * * *   E N D   O F   S O U R C E   * * * * *
```

       A d d i t i o n a l   D i a g n o s t i c   M e s s a g e s

Msg id Sv Number Seq   Message text

* * * * *   E N D   O F   A D D I T I O N A L   D I A G N O S T I C   M E S S A G E S   * * * * *

            O u t p u t   B u f f e r   P o s i t i o n s

Line   Start End   Field or Constant

Number Pos   Pos
    137   1   1 *IN60
    138   2   2 *IN95
    139   3   3 *IN96
    140   4   4 *IN97
    141   5   5 *IN98
    142   6   6 *IN99
    143   7   16 BIRTHDATE
    144   17   17 GENDER
    145   18   18 CVDISEASE
    146   19   19 DIABETES
    147   20   20 RSPDISEASE
    148   21   21 HBPRESSURE
    150   1   3 AGE
    151   4   8 FRATE
    152   9   17 COHORT
    153   18   20 TOTALQ

* * * * *   E N D   O F   O U T P U T   B U F F E R   P O S I T I O N   * * * * *

DC433E01 TAREQ ABDI

C r o s s   R e f e r e n c e

File and Record References:

```
    File              Device         References (D=Defined)
      Record
    COVIDDSP          WORKSTN              1D
      RISKFACTOR                           1D       4      16       21
                                          26      31      36       41
                                          48      56     136
      RISKASSMNT                           1D      11      49      149
    COVIDINFO         WORKSTN              2D
      CINFO                                2D      14      52      154
```

Global Field References:

```
    Field             Attributes     References (D=Defined M=Modified)
    *INLR             N(1)                60M
    *IN01             N(1)                12D      51
    *IN03             N(1)                13D      18      54
    *IN60             N(1)                47M      50M     137
    *IN95             N(1)                20M      22M     138
    *IN96             N(1)                25M      27M     139
    *IN97             N(1)                30M      32M     140
    *IN98             N(1)                35M      37M     141
    *IN99             N(1)                40M      42M     142
    AGE               P(3,0)              64M      81      81       83
                                          85      87      89       91
                                          93      95      97      150
    AGEFACTOR         BEGSR               65      79D
    BIRTHDATE         D(10*ISO-)           5M      15M     64       71M
                                         143
    CLEAR             BEGSR               55      70D
    COHORT            A(9)               125M     127M    129M     131M
                                         133M     152
    COHORTFACTORS     BEGSR               67     122D
    CVDISEASE         A(1)                 7M      24      73M     108
                                         145
    DETERMINERISK     BEGSR               45      63D
    DIABETES          A(1)                 8M      29      74M     111
                                         146
    FRATE             P(5,3)              82M      84M     86M      88M
                                          90M      92M     94M      96M
                                          98M     100M    106M     109M
                                         112M     115M    118M     124
                                         124      126     128      130
                                         132      151
    GENDER            A(1)                 6M      19      72M     105
                                         144
    HBPRESSURE        A(1)                10M      39      76M     114
                                         148
    OTHERFACTORS      BEGSR               66     104D
    RSPDISEASE        A(1)                 9M      34      75M     117
                                         147
    TOTALQ            P(3,0)              46M      46     153
```

Indicator References:

```
    Indicator                        References (D=Defined M=Modified)
```

```
01                              12M    51
03                              13M    18      54
60                              47M    50M    137
95                              20M    22M    138
96                              25M    27M    139
97                              30M    32M    140
98                              35M    37M    141
99                              40M    42M    142
LR                              60M
```

* * * * *   E N D   O F   C R O S S   R E F E R E N C E   * * * * *

E x t e r n a l   R e f e r e n c e s

Statically bound procedures:
    Procedure   References
    No references in the source.

Imported fields:
    Field   Attributes   Defined
    No references in the source.

Exported fields:
    Field   Attributes   Defined
    No references in the source.

* * * * *   E N D   O F   E X T E R N A L   R E F E R E N C E S   * * * * *

M e s s a g e   S u m m a r y

Msg id Sv Number Message text
      * * * * *   E N D   O F   M E S S A G E   S U M M A R Y   * * * * *

                     F i n a l   S u m m a r y

Message Totals:

    Information (00) . . . . :   0
    Warning   (10) . . . . :   0
    Error   (20) . . . . :   0
    Severe Error (30+) . . . . :   0
    ------------------------------   -------
    Total . . . . :   0

Source Totals:

    Records . . . . :   154
    Specifications . . . . :   147
    Data records . . . . :   0
    Comments . . . . :   0

         * * * * *   E N D   O F   F I N A L   S U M M A R Y   * * * * *
Program COVIDPRG placed in library DC433E01. 00 highest severity. Created on 06/16/21 at 16:11:49.
         * * * * *   E N D   O F   C O M P I L A T I O N   * * * * *