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Command . . . . . : CRTBNDRPG
  Issued by . . . . . : DW433F24
Program . . . . . : COVIDRPG
  Library . . . . . : DW433F24
Text 'description' . . . . . : *SRCMBRTXT

Source Member . . . . . : COVIDRPG
Source File . . . . . : LAB3B
  Library . . . . . : DW433F24
  CCSID . . . . . : 37
Text 'description' . . . . . : lab03 program
Last Change . . . . . : 02/05/21 16:03:57

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 . . . . . : *JOB RUN
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
```

1			210205	000001
2	DCL-F COVIDDSP WORKSTN;		210131	000100
	*-----*			
	*                               RPG name                 External name                 *			
	* File name. . . . . : COVIDDSP                 DW433F24/COVIDDSP                 *			
	* Record format(s) . . . . . : RISKFACTOR                 RISKFACTOR                 *			
	*                               RISKASSMNT                 RISKASSMNT                 *			
	*-----*			
3	DCL-F COVIDINFO WORKSTN;		210203	000101
	*-----*			
	*                               RPG name                 External name                 *			
	* File name. . . . . : COVIDINFO                 DW433F24/COVIDINFO                 *			
	* Record format(s) . . . . . : CINFO                 CINFO                 *			
	*-----*			
4	dcl-s tage int(5);		210204	000102
5			210131	000103
6=IRISKFACTOR				1000001
	*-----*			1
	* RPG record format . . . . . : RISKFACTOR                 *			1
	* External format . . . . . : RISKFACTOR : DW433F24/COVIDDSP                 *			1
	*-----*			1
7=I	*ISO-D      1    10 BIRTHDATE			1000002
8=I	A    11    11 GENDER			1000003
9=I	A    12    12 CVDISEASE			1000004
10=I	A    13    13 DIABETES			1000005
11=I	A    14    14 RSPDISEASE			1000006
12=I	A    15    15 HBPRESSURE			1000007
13=IRISKASSMNT				2000001
	*-----*			2
	* RPG record format . . . . . : RISKASSMNT                 *			2
	* External format . . . . . : RISKASSMNT : DW433F24/COVIDDSP                 *			2
	*-----*			2
14=I	N    2    2 *IN01                                 Cohort Information			2000002
15=I	N    1    1 *IN03                                 Exit Program			2000003
16=ICINFO				3000001
	*-----*			3
	* RPG record format . . . . . : CINFO                 *			3
	* External format . . . . . : CINFO : DW433F24/COVIDINFO                 *			3
	*-----*			3
17	EXSR CLEAR;		210131	000104
18	EXFMT RISKFACTOR;		210131	000105
19			210131	000106
20	// WHILE NOT F3(IN03)		210131	000107
21	DOW NOT(*IN03); //DOW(*IN03 = *OFF) // DOU *IN03	B01	210131	000108
22			210204	000109

Line Number	Source Specifications	Comments	Do Num	Page Line	Change Date	Src Id	Seq Number
23	IF GENDER = ' ';		B02		210204		000112
24	*IN95 = *ON; //TIP TEXT ON		02		210131		000113
25	EXFMT RISKFACTOR;		02		210131		000114
26	*in95 = *OFF; //TIP TEXT OFF		02		210131		000115
27	ITER;		02		210131		000116
28					210131		000117
29	ELSEIF CVDISEASE = ' ';		X02		210131		000118
30	*IN96 = *ON;		02		210131		000119
31	EXFMT RISKFACTOR;		02		210131		000120
32	*in96 = *OFF;		02		210131		000121
33	ITER;		02		210131		000122
34					210131		000123
35	ELSEIF DIABETES = ' ';		X02		210131		000124
36	*IN97 = *ON;		02		210131		000125
37	EXFMT RISKFACTOR;		02		210131		000126
38	*in97 = *OFF;		02		210131		000127
39	ITER;		02		210131		000128
40					210131		000129
41	ELSEIF RSPDISEASE = ' ';		X02		210131		000130
42	*IN98 = *ON;		02		210131		000131
43	EXFMT RISKFACTOR;		02		210131		000132
44	*in98 = *OFF;		02		210131		000133
45	ITER;		02		210131		000134
46					210131		000135
47	ELSEIF HBPRESSURE = ' ';		X02		210131		000136
48	*IN99 = *ON;		02		210131		000137
49	EXFMT RISKFACTOR;		02		210131		000138
50	*in99 = *OFF;		02		210131		000139
51	ITER;		02		210131		000140
52					210131		000141
53	ELSE;		X02		210131		000142
54	//EXECUTE 2ND SCREEN				210131		000143
55	EXSR DETERMINERISK;		02		210131		000144
56	TOTALQ = TOTALQ +1; // INCREASES NUMBER OF QUERIES		02		210131		000145
57	*IN60 = *ON; // PROTECT FIELDS		02		210131		000146
58	WRITE RISKFACTOR; // WRITE FIRST SCREEN		02		210131		000147
59	EXFMT RISKASSMNT; // EXECUTE 2ND SCREEN		02		210131		000148
60					210203		000149
61	//OPEN COVID INFO				210203		000150
62	IF *IN01 = *on;		B03		210203		000151
63	EXFMT CINFO;		03		210203		000152
64	//going back				210205		000153
65	WRITE RISKFACTOR;		03		210205		000154
66	EXFMT RISKASSMNT;		03		210205		000155
67	ENDIF;		E03		210205		000156
68					210203		000158
69	*IN60 = *OFF; // unlock fields		02		210205		000159
70	ENDIF;		E02		210203		000161
71					210131		000162
72	IF *IN03 = *OFF; //USER CHOSE NOT TO EXIT (PRESSED ENTER)		B02		210203		000163
73	EXSR CLEAR;		02		210203		000164
74	EXFMT RISKFACTOR;		02		210203		000165
75	ENDIF;		E02		210203		000166
76					210131		000167
77	ENDDO;		E01		210131		000168
78					210131		000169

Line Number	<----- Source Specifications -----><----- Comments ----->	Do Num	Page Line	Change Date	Src Id	Seq Number
79	*INLR = *ON;			210131		000170
80	RETURN;			210131		000171
81				210131		000172
82	BEGSR CLEAR;			210131		000173
83	*IN95 = *OFF;			210203		000174
84	CLEAR BIRTHDATE;			210203		000175
85	GENDER = ' ' ; // CLEAR GENDER (ANOTHER WAY TO CLEAR)			210203		000176
86	CVDISEASE = '' ; // this also clear field			210203		000177
87	CLEAR DIABETES;			210203		000178
88	CLEAR RSPDISEASE ;			210203		000179
89	CLEAR HBPRESSURE;			210203		000180
90	ENDSR;			210131		000181
91				210131		000182
92	BEGSR DETERMINERISK;			210131		000183
93	//CALCULATING AGE			210204		000184
94	tAGE = %DIFF(%DATE():BIRTHDATE:*Y);			210204		000185
95	IF tAGE > 999;	B01		210204		000186
96	AGE = 999;	01		210204		000187
97	else;	X01		210205		000188
98	age = tage;	01		210205		000189
99	ENDIF;	E01		210204		000190
100	//CALCULATING FRATE			210203		000191
101	//FRATE = 0.052;			210203		000192
102	SELECT;	B01		210203		000193
103	WHEN AGE >= 80;	X01		210203		000194
104	FRATE = 14.800;	01		210203		000195
105	WHEN AGE >= 70;	X01		210203		000196
106	FRATE = 8.000;	01		210203		000197
107	WHEN AGE >= 60;	X01		210203		000198
108	FRATE = 3.600;	01		210203		000199
109	WHEN AGE >= 50;	X01		210203		000200
110	FRATE = 1.300;	01		210203		000201
111	WHEN AGE >= 40;	X01		210203		000202
112	FRATE = 0.400;	01		210203		000203
113	WHEN AGE >= 30;	X01		210203		000204
114	FRATE = .250;	01		210203		000205
115	WHEN AGE >= 20;	X01		210203		000206
116	FRATE = .230;	01		210203		000207
117	WHEN AGE >= 10;	X01		210203		000208
118	FRATE = .200;	01		210203		000209
119	OTHER;	X01		210203		000210
120	FRATE = .100;	01		210203		000211
121	ENDSL;	E01		210203		000212
122				210203		000213
123	IF GENDER = 'F';	B01		210203		000214
124	FRATE -= 0.05;	01		210203		000215
125	ENDIF;	E01		210203		000216
126				210203		000217
127	IF CVDISEASE = 'Y';	B01		210203		000218
128	FRATE += .8;	01		210203		000219
129	ENDIF;	E01		210203		000220
130	IF DIABETES = 'Y';	B01		210203		000221
131	FRATE += .6;	01		210203		000222
132	ENDIF;	E01		210203		000223
133	IF RSPDISEASE = 'Y';	B01		210203		000224
134	FRATE += .4;	01		210203		000225

Line Number	<----- Source Specifications ----->	<----- Comments ----->	Do Num	Page Line	Change Date	Src Id	Seq Number
135	ENDIF;		E01		210203		000226
136	IF HBPRESSURE = 'Y';		B01		210203		000227
137	FRATE += .3;		01		210203		000228
138	ENDIF;		E01		210203		000229
139					210203		000230
140	//SETTING GROUP				210203		000231
141	SELECT;		B01		210203		000232
142	WHEN FRATE >9.4;		X01		210203		000233
143	COHORT = 'GROUP 1';		01		210203		000234
144	WHEN FRATE >5.4;		X01		210203		000235
145	COHORT = 'GROUP 2';		01		210203		000236
146	WHEN FRATE >3.4;		X01		210203		000237
147	COHORT = 'GROUP 3';		01		210203		000238
148	WHEN FRATE >1.4;		X01		210203		000239
149	COHORT = 'GROUP 4';		01		210203		000240
150	OTHER;		X01		210203		000241
151	COHORT = 'GROUP 5';		01		210203		000242
152	ENDSL;		E01		210203		000243
153					210203		000244
154	ENDSR;				210203		000245
155=	ORISKFACTOR						4000001
	*-----*						4
	* RPG record format . . . . : RISKFACTOR						4
	* External format . . . . : RISKFACTOR : DW433F24/COVIDDSP						4
	*-----*						4
156=	O	*IN60	1N	CHAR	1		4000002
157=	O	*IN95	2N	CHAR	1		4000003
158=	O	*IN96	3N	CHAR	1		4000004
159=	O	*IN97	4N	CHAR	1		4000005
160=	O	*IN98	5N	CHAR	1		4000006
161=	O	*IN99	6N	CHAR	1		4000007
162=	O	BIRTHDATE	16D	DATE	*ISO- 10		4000008
163=	O	GENDER	17A	CHAR	1		4000009
164=	O	CVDISEASE	18A	CHAR	1		4000010
165=	O	DIABETES	19A	CHAR	1		4000011
166=	O	RSPDISEASE	20A	CHAR	1		4000012
167=	O	HBPRESSURE	21A	CHAR	1		4000013
168=	ORISKASSMNT						5000001
	*-----*						5
	* RPG record format . . . . : RISKASSMNT						5
	* External format . . . . : RISKASSMNT : DW433F24/COVIDDSP						5
	*-----*						5
169=	O	AGE	3S	ZONE	3,0		5000002
170=	O	FRATE	8S	ZONE	5,3	Fatality rate (percentage)	5000003
171=	O	COHORT	17A	CHAR	9		5000004
172=	O	TOTALQ	20S	ZONE	3,0		5000005
173=	OCINFO						6000001
	*-----*						6
	* RPG record format . . . . : CINFO						6
	* External format . . . . : CINFO : DW433F24/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	
156	1	1	*IN60
157	2	2	*IN95
158	3	3	*IN96
159	4	4	*IN97
160	5	5	*IN98
161	6	6	*IN99
162	7	16	BIRTHDATE
163	17	17	GENDER
164	18	18	CVDISEASE
165	19	19	DIABETES
166	20	20	RSPDISEASE
167	21	21	HBPRESSURE
169	1	3	AGE
170	4	8	FRATE
171	9	17	COHORT
172	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 \* \* \* \* \*

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

## File and Record References:

File Record	Device	References (D=Defined)			
COVIDDSP	WORKSTN	2D			
RISKFACTOR		2D	6	18	25
		31	37	43	49
		58	65	74	155
RISKASSMNT		2D	13	59	66
		168			
COVIDINFO	WORKSTN	3D			
CINFO		3D	16	63	173

## Global Field References:

Field	Attributes	References (D=Defined M=Modified)			
*INLR	N(1)	79M			
*IN01	N(1)	14D	62		
*IN03	N(1)	15D	21	72	
*IN60	N(1)	57M	69M	156	
*IN95	N(1)	24M	26M	83M	157
*IN96	N(1)	30M	32M	158	
*IN97	N(1)	36M	38M	159	
*IN98	N(1)	42M	44M	160	
*IN99	N(1)	48M	50M	161	
AGE	P(3,0)	96M	98M	103	105
		107	109	111	113
		115	117	169	
BIRTHDATE	D(10*ISO-)	7M	84M	94	162
CLEAR	BEGSR	17	73	82D	
COHORT	A(9)	143M	145M	147M	149M
		151M	171		
CVDISEASE	A(1)	9M	29	86M	127
		164			
DETERMINERISK	BEGSR	55	92D		
DIABETES	A(1)	10M	35	87M	130
		165			
FRATE	P(5,3)	104M	106M	108M	110M
		112M	114M	116M	118M
		120M	124M	128M	131M
		134M	137M	142	144
		146	148	170	
GENDER	A(1)	8M	23	85M	123
		163			
HBPRESSURE	A(1)	12M	47	89M	136
		167			
RSPDISEASE	A(1)	11M	41	88M	133
		166			
TAGE	I(5,0)	4D	94M	95	98
TOTALQ	P(3,0)	56M	56	172	

## Indicator References:

Indicator	References (D=Defined M=Modified)			
01	14M	62		
03	15M	21	72	







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
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Total	.	.	.	.	.	.	.	:	0

Source Totals:

Records	.	.	.	.	.	.	.	:	173
Specifications	.	.	.	.	.	.	.	:	145
Data records	.	.	.	.	.	.	.	:	0
Comments	.	.	.	.	.	.	.	:	8

\* \* \* \* \* E N D O F F I N A L S U M M A R Y \* \* \* \* \*

Program COVIDRPG placed in library DW433F24. 00 highest severity. Created on 02/05/21 at 16:04:44.

\* \* \* \* \* E N D O F C O M P I L A T I O N \* \* \* \* \*