

Care Area Trigger Specifications Change Document (v1.06.0)

12/21/2022

The following changes to the Care Area Technical Documents were made from V1.05.0 to V1.06.0:

CAT Specifications: 5 ADL Functional/Rehabilitation Potential

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for bed mobility was needed as indicated by:
(G0110A1 >= 1 AND G0110A1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
2. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for transfer between surfaces (excluding to/from bath/toilets) was needed as indicated by:
(G0110B1 >= 1 AND G0110B1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
3. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for walking in his/her room was needed as indicated by:
(G0110C1 >= 1 AND G0110C1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
4. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for walking in corridor was needed as indicated by:
(G0110D1 >= 1 AND G0110D1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
5. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for locomotion on unit (including with wheel chair, if applicable) was needed as indicated by:
(G0110E1 >= 1 AND G0110E1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
6. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for locomotion off unit (including with wheel chair, if applicable) was needed as indicated by:

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(G0110F1 >= 1 AND G0110F1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

7. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for dressing was needed as indicated by:

(G0110G1 >= 1 AND G0110G1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

8. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for eating was needed as indicated by:

(G0110H1 >= 1 AND G0110H1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

9. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for toilet use was needed as indicated by:

(G0110I1 >= 1 AND G0110I1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

10. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for grooming/personal hygiene was needed as indicated by:

(G0110J1 >= 1 AND G0110J1 <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

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11. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while ADL assistance for self-performance bathing (excluding washing of back and hair) has a value of 1 through 4 as indicated by:
(G0120A >= 1 AND G0120A <= 4) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
12. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while balance during transition has a value of 1 or 2 for any item as indicated by:
((G0300A = 1 OR G0300A = 2) OR
(G0300B = 1 OR G0300B = 2) OR
(G0300C = 1 OR G0300C = 2) OR
(G0300D = 1 OR G0300D = 2) OR
(G0300E = 1 OR G0300E = 2)) AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
13. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while resident believes he/she is capable of increased independence as indicated by:
G0900A = 1 AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))
14. Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater, while direct care staff believe resident is capable of increased independence as indicated by:
G0900B = 1 AND
((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15))

Pseudocode (SAS)

```
*CAT05 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A05A = '0';  
  
*Resident is considered if independent, modified independent or  
moderately;  
*impaired regarding cognitive skills for daily decision making;  
IF ((C1000 >= '0' AND C1000 <= '2') OR  
(C0500 >= '05' AND C0500 <= '15'))  
THEN DO;  
  
    *Trigger on Condition 1;  
    IF (G0110A1 >= '1' AND G0110A1 <= '4')  
    THEN V0200A05A = '1';
```

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*Trigger on Condition 2;

IF (G0110B1 >= '1' AND G0110B1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 3;

IF (G0110C1 >= '1' AND G0110C1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 4;

IF (G0110D1 >= '1' AND G0110D1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 5;

IF (G0110E1 >= '1' AND G0110E1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 6;

IF (G0110F1 >= '1' AND G0110F1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 7;

IF (G0110G1 >= '1' AND G0110G1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 8;

IF (G0110H1 >= '1' AND G0110H1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 9;

IF (G0110I1 >= '1' AND G0110I1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 10;

IF (G0110J1 >= '1' AND G0110J1 <= '4')

THEN V0200A05A = '1';

*Trigger on Condition 11;

IF G0120A >= '1' AND G0120A <= '4' THEN V0200A05A = '1';

*Trigger on Condition 12;

IF (G0300A = '1' OR G0300A = '2') OR

(G0300B = '1' OR G0300B = '2') OR

(G0300C = '1' OR G0300C = '2') OR

(G0300D = '1' OR G0300D = '2') OR

(G0300E = '1' OR G0300E = '2') THEN V0200A05A = '1';

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*Trigger on Condition 13;
IF G0900A = '1' THEN V0200A05A = '1';

*Trigger on Condition 14;
IF G0900B = '1' THEN V0200A05A = '1' ;

END;

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

Cognitive skills for daily decision making has a value of 0 through 2 or BIMS summary score is 5 or greater,

**((C1000 >= 0 AND C1000 <= 2) OR
(C0500 >= 5 AND C0500 <= 15)) AND**

ADL assistance was required for any of the self-care or mobility activities as indicated by any of the following:

**(GG0130A1 >= 1 AND GG0130A1 <=5) OR (GG0130A5 >= 1 AND GG0130A5 <=5)
OR
(GG0130B1 >= 1 AND GG0130B1 <=5) OR (GG0130B5 >= 1 AND GG0130B5 <=5)
OR
(GG0130C1 >= 1 AND GG0130C1 <=5) OR (GG0130C5 >= 1 AND GG0130C5 <=5)
OR
(GG0130E1 >= 1 AND GG0130E1 <=5) OR (GG0130E5 >= 1 AND GG0130E5 <=5)
OR
(GG0130F1 >= 1 AND GG0130F1 <=5) OR (GG0130F5 >= 1 AND GG0130F5 <=5)
OR
(GG0130G1 >= 1 AND GG0130G1 <=5) OR (GG0130G5 >= 1 AND GG0130G5 <=5)
OR
(GG0130H1 >= 1 AND GG0130H1 <=5) OR (GG0130H5 >= 1 AND GG0130H5 <=5)
OR
(GG0130I1 >= 1 AND GG0130I1 <=5) OR (GG0130I5 >= 1 AND GG0130I5 <=5)
OR
(GG0170A1 >= 1 AND GG0170A1 <=5) OR (GG0170A5 >= 1 AND GG0170A5 <=5)
OR
(GG0170B1 >= 1 AND GG0170B1 <=5) OR (GG0170B5 >= 1 AND GG0170B5 <=5)**

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OR

(GG0170C1 >= 1 AND GG0170C1 <=5) OR (GG0170C5 >= 1 AND GG0170C5 <=5)

OR

(GG0170D1 >= 1 AND GG0170D1 <=5) OR (GG0170D5 >= 1 AND GG0170D5 <=5)

OR

(GG0170E1 >= 1 AND GG0170E1 <=5) OR (GG0170E5 >= 1 AND GG0170E5 <=5)

OR

(GG0170F1 >= 1 AND GG0170F1 <=5) OR (GG0170F5 >= 1 AND GG0170F5 <=5)

OR

(GG0170FF1 >= 1 AND GG0170FF1 <=5) OR (GG0170FF5 >= 1 AND GG0170FF5 <=5) OR

(GG0170I1 >= 1 AND GG0170I1 <=5) OR (GG0170I5 >= 1 AND GG0170I5 <=5)

OR

GG0170J1 >= 1 AND GG0170J1 <=5) OR (GG0170J5 >= 1 AND GG0170J5 <=5)

OR

GG0170K1 >= 1 AND GG0170K1 <=5) OR (GG0170K5 >= 1 AND GG0170K5 <=5)

OR

GG0170R1 >= 1 AND GG0170R1 <=5) OR (GG0170R5 >= 1 AND GG0170R5 <=5)

OR

GG0170S1 >= 1 AND GG0170S1 <=5) OR (GG0170S5 >= 1 AND GG0170S5 <=5)

Pseudocode (SAS)

*CAT05 Logic;

*Initialize CAT indicator to not triggered;

V0200A05A = '0';

*Resident is considered if independent, modified independent or moderately;

*impaired regarding cognitive skills for daily decision making;

IF ((C1000 >= '0' AND C1000 <= '2') OR

(C0500 >= '05' AND C0500 <= '15'))

THEN DO;

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IF (GG0130A1 >= '01' AND GG0130A1 <= '05') OR (GG0130A5 >= '01' AND GG0130A5 <= '05') THEN V0200A05A = '1';

IF (GG0130B1 >= '01' AND GG0130B1 <= '05') OR (GG0130B5 >= '01' AND GG0130B5 <= '05') THEN V0200A05A = '1';

IF (GG0130C1 >= '01' AND GG0130C1 <= '05') OR (GG0130C5 >= '01' AND GG0130C5 <= '05') THEN V0200A05A = '1';

IF (GG0130E1 >= '01' AND GG0130E1 <= '05') OR (GG0130E5 >= '01' AND GG0130E5 <= '05') THEN V0200A05A = '1';

IF (GG0130F1 >= '01' AND GG0130F1 <= '05') OR (GG0130F5 >= '01' AND GG0130F5 <= '05') THEN V0200A05A = '1';

IF (GG0130G1 >= '01' AND GG0130G1 <= '05') OR (GG0130G5 >= '01' AND GG0130G5 <= '05') THEN V0200A05A = '1';

IF (GG0130H1 >= '01' AND GG0130H1 <= '05') OR (GG0130H5 >= '01' AND GG0130H5 <= '05') THEN V0200A05A = '1';

IF (GG0130I1 >= '01' AND GG0130I1 <= '05') OR (GG0130I5 >= '01' AND GG0130I5 <= '05') THEN V0200A05A = '1';

IF (GG0170A1 >= '01' AND GG0170A1 <= '05') OR (GG0170A5 >= '01' AND GG0170A5 <= '05') THEN V0200A05A = '1';

IF (GG0170B1 >= '01' AND GG0170B1 <= '05') OR (GG0170B5 >= '01' AND GG0170B5 <= '05') THEN V0200A05A = '1';

IF (GG0170C1 >= '01' AND GG0170C1 <= '05') OR (GG0170C5 >= '01' AND GG0170C5 <= '05') THEN V0200A05A = '1';

IF (GG0170D1 >= '01' AND GG0170D1 <= '05') OR (GG0170D5 >= '01' AND GG0170D5 <= '05') THEN V0200A05A = '1';

IF (GG0170E1 >= '01' AND GG0170E1 <= '05') OR (GG0170E5 >= '01' AND GG0170E5 <= '05') THEN V0200A05A = '1';

IF (GG0170F1 >= '01' AND GG0170F1 <= '05') OR (GG0170F5 >= '01' AND GG0170F5 <= '05') THEN V0200A05A = '1';

IF (GG0170FF1 >= '01' AND GG0170FF1 <= '05') OR (GG0170FF5 >= '01' AND GG0170FF5 <= '05') THEN V0200A05A = '1';

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IF (GG0170I1 >= '01' AND GG0170I1 <= '05') OR (GG0170I5 >= '01' AND GG0170I5 <= '05') THEN V0200A05A = '1';

IF (GG0170J1 >= '01' AND GG0170J1 <= '05') OR (GG0170J5 >= '01' AND GG0170J5 <= '05') THEN V0200A05A = '1';

IF (GG0170K1 >= '01' AND GG0170K1 <= '05') OR (GG0170K5 >= '01' AND GG0170K5 <= '05') THEN V0200A05A = '1';

IF (GG0170R1 >= '01' AND GG0170R1 <= '05') OR (GG0170R5 >= '01' AND GG0170R5 <= '05') THEN V0200A05A = '1';

IF (GG0170S1 >= '01' AND GG0170S1 <= '05') OR (GG0170S5 >= '01' AND GG0170S5 <= '05') THEN V0200A05A = '1';

END;

CAT Specifications: 6 Urinary Incontinence and Indwelling Catheter

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. ADL assistance for toileting was needed as indicated by:
(G0110I1 >= 2 AND G0110I1 <= 4)
2. Resident requires a indwelling catheter as indicated by:
H0100A = 1
3. Resident requires an external catheter as indicated by:
H0100B = 1
4. Resident requires intermittent catheterization as indicated by:
H0100D = 1
5. Urinary incontinence has a value of 1 through 3 as indicated by:
H0300 >= 1 AND H0300 <= 3
6. Resident moisture associated skin damage as indicated by:
M1040H = 1

Pseudocode (SAS)

*CAT06 Logic;
*Initialize CAT indicator to not triggered;
V0200A06A = '0';

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*Trigger on Condition 1;

IF (G0110I1 >= '2' AND G0110I1 <= '4')

THEN V0200A06A = '1';

*Trigger on Condition 2;

IF H0100A = '1' THEN V0200A06A = '1';

*Trigger on Condition 3;

IF H0100B = '1' THEN V0200A06A = '1';

*Trigger on Condition 4;

IF H0100D = '1' THEN V0200A06A = '1';

*Trigger on Condition 5;

IF H0300 >= '1' AND H0300 <= '3' THEN V0200A06A = '1';

*Trigger on Condition 6;

IF M01040H = '1' THEN V0200A06A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. ADL assistance for toileting hygiene or toilet transfer was needed as indicated by:

(GG0130C1 >= '01' AND GG0130C1 <= '05') OR

(GG0130C5 >= '01' AND GG0130C5 <= '05') OR

(GG0170F1 >= '01' AND GG0170F1 <= '05') OR

(GG0170F5 >= '01' AND GG0170F5 <= '05')

2. Resident requires a indwelling catheter as indicated by:

H0100A = 1

3. Resident requires an external catheter as indicated by:

H0100B = 1

4. Resident requires intermittent catheterization as indicated by:

H0100D = 1

5. Urinary incontinence has a value of 1 through 3 as indicated by:

H0300 >= 1 AND H0300 <= 3

6. Resident moisture associated skin damage as indicated by:

M1040H = 1

Pseudocode (SAS)

*CAT06 Logic;

*Initialize CAT indicator to not triggered;

V0200A06A = '0';

*Trigger on Condition 1;

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IF (GG0130C1 >= '01' AND GG0130C1 <= '05') OR (GG0130C5 >= '01' AND GG0130C5 <= '05') OR (GG0170F1 >= '01' AND GG0170F1 <= '05') OR (GG0170F5 >= '01' AND GG0170F5 <= '05')

THEN V0200A06A = '1';

*Trigger on Condition 2;

IF H0100A = '1' THEN V0200A06A = '1';

*Trigger on Condition 3;

IF H0100B = '1' THEN V0200A06A = '1';

*Trigger on Condition 4;

IF H0100D = '1' THEN V0200A06A = '1';

*Trigger on Condition 5;

IF H0300 >= '1' AND H0300 <= '3' THEN V0200A06A = '1';

*Trigger on Condition 6;

IF M01040H = '1' THEN V0200A06A = '1';

CAT Specifications: 7 Psychological Well-Being

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident mood interview indicates the presence of little interest or pleasure in doing things as indicated by:

D0200A1 = 1

2. Staff assessment of resident mood indicates the presence of little interest or pleasure in doing things as indicated by:

D0500A1 = 1

3. Interview for activity preference item "How important is it to you to do your favorite activities?" has a value of 3 or 4 as indicated by:

F0500F = 3 OR F0500F = 4

4. Staff assessment of daily and activity preferences did not indicate that resident prefers participating in favorite activities:

F0800Q = not checked

5. Physical behavioral symptoms directed toward others has a value of 1 through 3 and neither dementia nor Alzheimer's disease is present as indicated by:

(E0200A >= 1 AND E0200A <= 3) AND

(I4800 = 0 OR I4800 = -) AND

(I4200 = 0 OR I4200 = -)

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6. Verbal behavioral symptoms directed toward others has a value of 1 through 3 and neither Non-Alzheimer's dementia nor Alzheimer's disease is present as indicated by:
- (E0200B >= 1 AND E0200B <= 3) AND
(I4800 = 0 OR I4800 = -) AND
(I4200 = 0 OR I4200 = -)
7. Any six items for interview for activity preferences has the value of 4 and resident is primary respondent for daily and activity preferences as indicated by:
- (Any 6 of F0500A through F0500H = 4) AND
(F0600 = 1)

Pseudocode (SAS)

```
*CAT07 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A07A = '0';  
  
*Trigger on Condition 1;  
IF D0200A1 = '1' THEN V0200A07A = '1';  
  
*Trigger on Condition 2;  
IF D0500A1 = '1' THEN V0200A07A = '1';  
  
*Trigger on Condition 3;  
IF F0500F = '3' OR F0500F = '4' THEN V0200A07A = '1';  
  
*Trigger on Condition 4;  
IF F0800Q = '0' THEN V0200A07A = '1';  
  
*Trigger on Condition 5;  
IF (E0200A >= '1' AND E0200A <= '3') AND  
   (I4800 = '0' OR I4800 = '-') AND  
   (I4200 = '0' OR I4200 = '-') THEN V0200A07A = '1';  
  
*Trigger on Condition 6;  
IF (E0200B >= '1' AND E0200B <= '3') AND  
   (I4800 = '0' OR I4800 = '-') AND  
   (I4200 = '0' OR I4200 = '-') THEN V0200A07A = '1';  
  
*Trigger on Condition 7;  
*Count number of F0500 items = 4;  
n_f0500eq4 = 0;  
IF F0500A = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500B = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500C = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500D = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500E = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500F = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;  
IF F0500G = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;
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IF F0500H = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;
IF (n_f0500eq4 >= 6) AND F0600 = '1' THEN V0200A07A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident mood interview indicates the presence of little interest or pleasure in doing things as indicated by:
D0150A1 = 1
2. Staff assessment of resident mood indicates the presence of little interest or pleasure in doing things as indicated by:
D0500A1 = 1
3. Interview for activity preference item "How important is it to you to do your favorite activities?" has a value of 3 or 4 as indicated by:
F0500F = 3 OR F0500F = 4
4. Staff assessment of daily and activity preferences did not indicate that resident prefers participating in favorite activities:
F0800Q = not checked
5. Physical behavioral symptoms directed toward others has a value of 1 through 3 and neither dementia nor Alzheimer's disease is present as indicated by:
(E0200A >= 1 AND E0200A <= 3) AND
(I4800 = 0 OR I4800 = -) AND
(I4200 = 0 OR I4200 = -)
6. Verbal behavioral symptoms directed toward others has a value of 1 through 3 and neither Non-Alzheimer's dementia nor Alzheimer's disease is present as indicated by:
(E0200B >=1 AND E0200B <= 3) AND
(I4800 = 0 OR I4800 = -) AND
(I4200 = 0 OR I4200 = -)
7. Any six items for interview for activity preferences has the value of 4 and resident is primary respondent for daily and activity preferences as indicated by:
(Any 6 of F0500A through F0500H = 4) AND
(F0600 = 1)

Pseudocode (SAS)

```
*CAT07 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A07A = '0';  
  
*Trigger on Condition 1;  
IF D0150A1 = '1' THEN V0200A07A = '1';  
  
*Trigger on Condition 2;  
IF D0500A1 = '1' THEN V0200A07A = '1';
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*Trigger on Condition 3;

IF F0500F = '3' OR F0500F = '4' THEN V0200A07A = '1';

*Trigger on Condition 4;

IF F0800Q = '0' THEN V0200A07A = '1';

*Trigger on Condition 5;

IF (E0200A >= '1' AND E0200A <= '3') AND
(I4800 = '0' OR I4800 = '-') AND
(I4200 = '0' OR I4200 = '-') THEN V0200A07A = '1';

*Trigger on Condition 6;

IF (E0200B >= '1' AND E0200B <= '3') AND
(I4800 = '0' OR I4800 = '-') AND
(I4200 = '0' OR I4200 = '-') THEN V0200A07A = '1';

*Trigger on Condition 7;

*Count number of F0500 items = 4;

n_f0500eq4 = 0;

IF F0500A = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500B = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500C = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500D = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500E = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500F = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500G = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF F0500H = '4' THEN n_f0500eq4 = n_f0500eq4 + 1;

IF (n_f0500eq4 >= 6) AND F0600 = '1' THEN V0200A07A = '1';

CAT Specifications: 8 Mood State

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident has had thoughts he/she would be better off dead, or thoughts of hurting him/herself as indicated by:

D0200I1 = 1

2. Staff assessment of resident mood suggests resident states life isn't worth living, wishes for death, or attempts to harm self as indicated by:

D0500I1 = 1

3. The resident mood interview total severity score has a non-missing value (0 to 27) on both the current non-admission comprehensive assessment (A0310A = 03, 04, or 05) and the prior assessment, and the resident interview summary score on the current non-admission comprehensive assessment (D0300) is greater than the prior assessment (V0100E) as indicated by:

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((A0310A = 03) OR (A0310A = 04) OR (A0310A = 05)) AND
((D0300 >= 00) AND (D0300 <= 27)) AND
((V0100E >= 00) AND (V0100E <= 27)) AND
(D0300 > V0100E)

4. The resident mood interview is not successfully completed (missing value on D0300), the staff assessment of resident mood has a non-missing value (0 to 30) on both the current non-admission comprehensive assessment (A0310A = 03, 04, or 05) and the prior assessment, and the staff assessment current total severity score on the current non-admission comprehensive assessment (D0600) is greater than the prior assessment (V0100F) as indicated by:

((A0310A = 03) OR (A0310A = 04) OR (A0310A = 05)) AND
((D0300 < 00) OR (D0300 > 27)) AND
((D0600 >= 00) AND (D0600 <= 30)) AND
((V0100F >= 00) AND (V0100F <= 30)) AND
(D0600 > V0100F)

5. The resident mood interview is successfully completed and the current total severity score has a value of 10 through 27 as indicated by:

D0300 >= 10 AND D0300 <= 27

6. The staff assessment of resident mood is recorded and the current total severity score has a value of 10 through 30 as indicated by:

D0600 >= 10 AND D0600 <= 30

Pseudocode (SAS)

*CAT08 Logic;

*Initialize CAT indicator to not triggered;

V0200A08A = '0';

*Trigger on Condition 1;

IF D0200I1 = '1' THEN V0200A08A = '1';

*Trigger on Condition 2;

IF D0500I1 = '1' THEN V0200A08A = '1';

*Trigger on Condition 3;

*Current assessment is limited to a non-admission comprehensive assessment;

IF (A0310A = '03' OR A0310A = '04' OR A0310A = '05')

THEN DO;

*Check that D0300 and V0100E both have non-missing values (00 to 27);

IF (D0300 >= '00' AND D0300 <= '27') AND

(V0100E >= '00' AND V0100E <= '27')

THEN DO;

*Trigger CAT if current assessment score > prior;

* assessment score;

IF D0300 > V0100E THEN V0200A08A = '1';

Care Area Trigger Specifications Change Document (v1.06.0)

```
END;  
END;  
  
*Trigger on Condition 4;  
*Current assessment is limited to a non-admission comprehensive  
assessment,;  
* and the resident interview is not successfully completed;  
IF (A0310A = '03' OR A0310A = '04' OR A0310A = '05') AND  
  (D0300 < '00' OR D0300 > '27')  
THEN DO;  
  *Check that D0600 and V0100F both have non-missing values (00  
  to 30);  
  IF (D0600 >= '00' AND D0600 <= '30') AND  
    (V0100F >= '00' AND V0100F <= '30')  
  THEN DO;  
    *Trigger CAT if current assessment score > prior;  
    *assessment score;  
    IF D0600 > V0100F THEN V0200A08A = '1';  
  END;  
END;  
  
*Trigger on Condition 5;  
IF D0300 >= '10' AND D0300 <= '27' THEN V0200A08A = '1';  
  
*Trigger on Condition 6;  
  
IF D0600 >= '10' AND D0600 <= '30' THEN V0200A08A = '1';
```

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident has had thoughts he/she would be better off dead, or thoughts of hurting him/herself as indicated by:
D0150I1 = 1
2. Staff assessment of resident mood suggests resident states life isn't worth living, wishes for death, or attempts to harm self as indicated by:
D0500I1 = 1
3. The resident mood interview total severity score has a non-missing value (0 to 27) on both the current non-admission comprehensive assessment (A0310A = 03, 04, or 05) and the prior assessment, and the resident interview summary score on the current non-admission comprehensive assessment (D0300) is greater than the prior assessment (V0100E) as indicated by:
((A0310A = 03) OR (A0310A = 04) OR (A0310A = 05)) AND
((D0160 >= 00) AND (D0160 <= 27)) AND
((V0100E >= 00) AND (V0100E <= 27)) AND

Care Area Trigger Specifications Change Document (v1.06.0)

(D0160 > V0100E)

4. The resident mood interview is not successfully completed (missing value on D0300), the staff assessment of resident mood has a non-missing value (0 to 30) on both the current non-admission comprehensive assessment (A0310A = 03, 04, or 05) and the prior assessment, and the staff assessment current total severity score on the current non-admission comprehensive assessment (D0600) is greater than the prior assessment (V0100F) as indicated by:

((A0310A = 03) OR (A0310A = 04) OR (A0310A = 05)) AND
((D0160 < 00) OR (D0160 > 27)) AND
((D0600 >= 00) AND (D0600 <= 30)) AND
((V0100F >= 00) AND (V0100F <= 30)) AND
(D0600 > V0100F)

5. The resident mood interview is successfully completed and the current total severity score has a value of 10 through 27 as indicated by:

D0160 >= 10 AND D0160 <= 27

6. The staff assessment of resident mood is recorded and the current total severity score has a value of 10 through 30 as indicated by:

D0600 >= 10 AND D0600 <= 30

Pseudocode (SAS)

*CAT08 Logic;

*Initialize CAT indicator to not triggered;

V0200A08A = '0';

*Trigger on Condition 1;

IF D0150I1 = '1' THEN V0200A08A = '1';

*Trigger on Condition 2;

IF D0500I1 = '1' THEN V0200A08A = '1';

*Trigger on Condition 3;

*Current assessment is limited to a non-admission comprehensive assessment;

IF (A0310A = '03' OR A0310A = '04' OR A0310A = '05')
THEN DO;

*Check that D0160 and V0100E both have non-missing values (00 to 27);

IF (D0160 >= '00' AND D0160 <= '27') AND
(V0100E >= '00' AND V0100E <= '27')

THEN DO;

*Trigger CAT if current assessment score > prior;

* assessment score;

IF D0160 > V0100E THEN V0200A08A = '1';

END;

END;

Care Area Trigger Specifications Change Document (v1.06.0)

```
*Trigger on Condition 4;
*Current assessment is limited to a non-admission comprehensive
assessment;
* and the resident interview is not successfully completed;
IF (A0310A = '03' OR A0310A = '04' OR A0310A = '05') AND
  (D0160 < '00' OR D0160 > '27')
THEN DO;
  *Check that D0600 and V0100F both have non-missing values (00
  to 30);
  IF (D0600 >= '00' AND D0600 <= '30') AND
    (V0100F >= '00' AND V0100F <= '30')
  THEN DO;
    *Trigger CAT if current assessment score > prior;
    *assessment score;
    IF D0600 > V0100F THEN V0200A08A = '1';
  END;
END;

*Trigger on Condition 5;
IF D0160 >= '10' AND D0160 <= '27' THEN V0200A08A = '1';

*Trigger on Condition 6;
IF D0600 >= '10' AND D0600 <= '30' THEN V0200A08A = '1';
```

CAT Specifications: 10 Activities

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident has little interest or pleasure in doing things as indicated by:
D0200A1 = 1
2. Staff assessment of resident mood suggests resident states little interest or pleasure in doing things as indicated by:
D0500A1 = 1
3. Any 6 items for interview for activity preferences has the value of 4 (not important at all) or 5 (important, but cannot do or no choice) as indicated by:
Any 6 of F0500A through F0500H = 4 or 5
4. Any 6 items for staff assessment of activity preference item L through T are not checked as indicated by:
Any 6 of F0800L through F0800T = not checked

Pseudocode (SAS)

```
*CAT10 Logic;
*Initialize CAT indicator to not triggered;
```

Care Area Trigger Specifications Change Document (v1.06.0)

V0200A10A = '0';

*Trigger on Condition 1;

IF D0200A1 = '1' THEN V0200A10A = '1';

*Trigger on Condition 2;

IF D0500A1 = '1' THEN V0200A10A = '1';

*Trigger on Condition 3;

*Count number of F0500 items = 4 or 5;

n_f0500eq45 = 0;

IF (F0500A = '4' OR F0500A = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500B = '4' OR F0500B = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500C = '4' OR F0500C = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500D = '4' OR F0500D = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500E = '4' OR F0500E = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500F = '4' OR F0500F = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500G = '4' OR F0500G = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500H = '4' OR F0500H = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (n_f0500eq45 >= 6) THEN V0200A10A = '1';

*Trigger on Condition 4;

*Count number of F0800L through F0800T not checked;

n_f0800eq0 = 0;

IF F0800L = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800M = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800N = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800O = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800P = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800Q = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800R = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800S = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800T = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF (n_f0800eq0 >= 6) THEN V0200A10A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident has little interest or pleasure in doing things as indicated by:

D0150A1 = 1

2. Staff assessment of resident mood suggests resident states little interest or pleasure in doing things as indicated by:

D0500A1 = 1

Care Area Trigger Specifications Change Document (v1.06.0)

3. Any 6 items for interview for activity preferences has the value of 4 (not important at all) or 5 (important, but cannot do or no choice) as indicated by:

Any 6 of F0500A through F0500H = 4 or 5

4. Any 6 items for staff assessment of activity preference item L through T are not checked as indicated by:

Any 6 of F0800L through F0800T = not checked

Pseudocode (SAS)

*CAT10 Logic;

*Initialize CAT indicator to not triggered;

V0200A10A = '0';

*Trigger on Condition 1;

IF D0150A1 = '1' THEN V0200A10A = '1';

*Trigger on Condition 2;

IF D0500A1 = '1' THEN V0200A10A = '1';

*Trigger on Condition 3;

*Count number of F0500 items = 4 or 5;

n_f0500eq45 = 0;

IF (F0500A = '4' OR F0500A = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500B = '4' OR F0500B = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500C = '4' OR F0500C = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500D = '4' OR F0500D = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500E = '4' OR F0500E = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500F = '4' OR F0500F = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500G = '4' OR F0500G = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (F0500H = '4' OR F0500H = '5') THEN n_f0500eq45 = n_f0500eq45 + 1;

IF (n_f0500eq45 >= 6) THEN V0200A10A = '1';

*Trigger on Condition 4;

*Count number of F0800L through F0800T not checked;

n_f0800eq0 = 0;

IF F0800L = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800M = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800N = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800O = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800P = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800Q = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800R = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800S = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF F0800T = '0' THEN n_f0800eq0 = n_f0800eq0 + 1;

IF (n_f0800eq0 >= 6) THEN V0200A10A = '1';

CAT Specifications: 11 Falls

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Wandering occurs as indicated by a value of 1 through 3 as follows:
E0900 >= 1 AND E0900 <= 3
2. Balance problems during transition indicated by a value of 1 or 2 for any item as follows:
(G0300A = 1 OR G0300A = 2) OR
(G0300B = 1 OR G0300B = 2) OR
(G0300C = 1 OR G0300C = 2) OR
(G0300D = 1 OR G0300D = 2) OR
(G0300E = 1 OR G0300E = 2)
3. For OBRA admission assessment: fall history at admission indicates resident fell anytime in the last month prior to admission as indicated by:
If A0310A = 01 AND J1700A = 1
4. For OBRA admission assessment: fall history at admission indicates resident fell anytime in the last 2 to 6 months prior to admission as indicated by:
If A0310A = 01 AND J1700B = 1
5. Resident has fallen at least one time since admission or the prior assessment as indicated by:
J1800 = 1
6. Resident received antianxiety medication on one or more of the last 7 days or since admission/entry or reentry if less than 7 days as indicated by:
N0410B >= 1 AND N0410B <= 7
7. Resident received antidepressant medication on one or more of the last 7 days or since admission/entry or reentry if less than 7 days as indicated by:
N0410C >= 1 AND N0410C <= 7
8. Trunk restraint used in bed as indicated by a value of 1 or 2 as follows:
P0100B = 1 OR P0100B = 2
9. Trunk restraint used in chair or out of bed as indicated by a value of 1 or 2 as follows:
P0100E = 1 OR P0100E = 2

Pseudocode (SAS)

```
*CAT11 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A11A = '0';  
  
*Trigger on Condition 1;  
IF E0900 >= '1' AND E0900 <= '3' THEN V0200A11A = '1';  
  
*Trigger on Condition 2;
```

Care Area Trigger Specifications Change Document (v1.06.0)

IF (G0300A = '1' OR G0300A = '2') OR
(G0300B = '1' OR G0300B = '2') OR
(G0300C = '1' OR G0300C = '2') OR
(G0300D = '1' OR G0300D = '2') OR
(G0300E = '1' OR G0300E = '2') THEN V0200A11A = '1';

*Trigger on Condition 3;

IF (A0310A = '01' AND J1700A = '1') THEN V0200A11A = '1';

*Trigger on Condition 4;

IF (A0310A = '01' AND J1700B = '1') THEN V0200A11A = '1';

*Trigger on Condition 5;

IF J1800 = '1' THEN V0200A11A = '1';

*Trigger on Condition 6;

IF N0410B >= '1' AND N0410B <= '7' THEN V0200A11A = '1';

*Trigger on Condition 7;

IF N0410C >= '1' AND N0410C <= '7' THEN V0200A11A = '1';

*Trigger on Condition 8;

IF P0100B = '1' OR P0100B = '2' THEN V0200A11A = '1';

*Trigger on Condition 9;

IF P0100E = '1' OR P0100E = '2' THEN V0200A11A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Wandering occurs as indicated by a value of 1 through 3 as follows:

E0900 >= 1 AND E0900 <= 3

2. For OBRA admission assessment: fall history at admission indicates resident fell anytime in the last month prior to admission as indicated by:

If A0310A = 01 AND J1700A = 1

3. For OBRA admission assessment: fall history at admission indicates resident fell anytime in the last 2 to 6 months prior to admission as indicated by:

If A0310A = 01 AND J1700B = 1

4. Resident has fallen at least one time since admission or the prior assessment as indicated by:

J1800 = 1

Care Area Trigger Specifications Change Document (v1.06.0)

5. Resident received antianxiety medication during the last 7 days or since admission/entry or reentry if less than 7 days as indicated by:
N0415B1 = 1
6. Resident received antidepressant medication during the last 7 days or since admission/entry or reentry if less than 7 days as indicated by:
N0415C1 = 1
7. Trunk restraint used in bed as indicated by a value of 1 or 2 as follows:
P0100B = 1 OR P0100B = 2
8. Trunk restraint used in chair or out of bed as indicated by a value of 1 or 2 as follows:
P0100E = 1 OR P0100E = 2

Pseudocode (SAS)

```
*CAT11 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A11A = '0';  
  
*Trigger on Condition 1;  
IF (E0900 >= '1' AND E0900 <= '3') THEN V0200A11A = '1';  
  
*Trigger on Condition 2;  
IF (A0310A = '01' AND J1700A = '1') THEN V0200A11A = '1';  
  
*Trigger on Condition 3;  
IF (A0310A = '01' AND J1700B = '1') THEN V0200A11A = '1';  
  
*Trigger on Condition 4;  
IF J1800 = '1' THEN V0200A11A = '1';  
  
*Trigger on Condition 5;  
IF N0415B1 = '1' THEN V0200A11A = '1';  
  
*Trigger on Condition 6;  
IF N0415C1 = '1' THEN V0200A11A = '1';  
  
*Trigger on Condition 7;  
IF P0100B = '1' OR P0100B = '2' THEN V0200A11A = '1';  
  
*Trigger on Condition 8;  
IF P0100E = '1' OR P0100E = '2' THEN V0200A11A = '1';
```

CAT Specifications: 12 Nutritional Status

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Dehydration is selected as a problem health condition as indicated by:
J1550C = 1
2. Body mass index (BMI) is too low or too high as indicated by:
BMI < 18.5000 OR BMI > 24.9000
3. Any weight loss as indicated by a value of 1 or 2 as follows:
K0300 = 1 OR K0300 = 2
4. Any weight gain as indicated by a value of 1 or 2 as follows:
K0310 = 1 OR K0310 = 2
5. Parenteral/IV feeding while NOT a resident or while a resident is used as a nutritional approach as indicated by:
K0510A1 = 1 OR K0510A2 = 1
6. Mechanically altered diet while a resident is used as a nutritional approach as indicated by:
K0510C2 = 1
7. Therapeutic diet while a resident is used as a nutritional approach as indicated by:
K0510D2 = 1
8. Resident has one or more unhealed pressure ulcer(s) at Stage 2 or higher, or one or more likely pressure ulcers that are unstageable at this time as indicated by:

((M0300B1 > 0 AND M0300B1 <= 9) OR
(M0300C1 > 0 AND M0300C1 <= 9) OR
(M0300D1 > 0 AND M0300D1 <= 9) OR
(M0300E1 > 0 AND M0300E1 <= 9) OR
(M0300F1 > 0 AND M0300F1 <= 9) OR
(M0300G1 > 0 AND M0300G1 <= 9))

Pseudocode (SAS)

```
*CAT12 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A12A = '0';  
  
*Trigger on Condition 1;  
IF J1550C = '1' THEN V0200A12A = '1';  
  
*Trigger on Condition 2;  
*Set BMI to 20 (will not trigger) if K0200A or K0200B missing;  
* else calculate actual value;  
IF SUBSTR(K0200A,1,1) = '-' OR K0200A = '00' OR
```

Care Area Trigger Specifications Change Document (v1.06.0)

```
SUBSTR(K0200B,1,1) = '-' OR K0200B = '000'
  THEN BMI = 20.0000;
ELSE
  BMI = (INPUT(K0200B, 3.) * 703) / (INPUT(K0200A, 2.)**2);
*Trigger on BMI (do not round value to a single decimal place);
IF BMI < 18.5000 OR BMI > 24.9000 THEN V0200A12A = '1';

*Trigger on Condition 3;
IF K0300 = '1' OR K0300 = '2' THEN V0200A12A = '1';

*Trigger on Condition 4;
IF K0310 = '1' OR K0310 = '2' THEN V0200A12A = '1';

*Trigger on Condition 5;
IF K0510A1 = '1' OR K0510A2 = '1' THEN V0200A12A = '1';

*Trigger on Condition 6;
IF K0510C2 = '1' THEN V0200A12A = '1';

*Trigger on Condition 7;
IF K0510D2 = '1' THEN V0200A12A = '1';

*Trigger on Condition 8;
IF ((M0300B1 > '0' AND M0300B1 <= '9') OR
    (M0300C1 > '0' AND M0300C1 <= '9') OR
    (M0300D1 > '0' AND M0300D1 <= '9') OR
    (M0300E1 > '0' AND M0300E1 <= '9') OR
    (M0300F1 > '0' AND M0300F1 <= '9') OR
    (M0300G1 > '0' AND M0300G1 <= '9'))
  THEN V0200A12A = '1';
```

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Dehydration is selected as a problem health condition as indicated by:
J1550C = 1
2. Body mass index (BMI) is too low or too high as indicated by:
BMI < 18.5000 OR BMI > 24.9000
3. Any weight loss as indicated by a value of 1 or 2 as follows:
K0300 = 1 OR K0300 = 2
4. Any weight gain as indicated by a value of 1 or 2 as follows:
K0310 = 1 OR K0310 = 2
5. Parenteral/IV feeding while NOT a resident or while a resident is used as a nutritional approach as indicated by:
K0520A2 = 1 OR K0520A3 = 1

Care Area Trigger Specifications Change Document (v1.06.0)

6. Mechanically altered diet while a resident is used as a nutritional approach as indicated by:

K0520C3 = 1

7. Therapeutic diet while a resident is used as a nutritional approach as indicated by:

K0520D3 = 1

8. Resident has one or more unhealed pressure ulcer(s) at Stage 2 or higher, or one or more likely pressure ulcers that are unstageable at this time as indicated by:

((M0300B1 > 0 AND M0300B1 <= 9) OR
(M0300C1 > 0 AND M0300C1 <= 9) OR
(M0300D1 > 0 AND M0300D1 <= 9) OR
(M0300E1 > 0 AND M0300E1 <= 9) OR
(M0300F1 > 0 AND M0300F1 <= 9) OR
(M0300G1 > 0 AND M0300G1 <= 9))

Pseudocode (SAS)

*CAT12 Logic;

*Initialize CAT indicator to not triggered;

V0200A12A = '0';

*Trigger on Condition 1;

IF J1550C = '1' THEN V0200A12A = '1';

*Trigger on Condition 2;

*Set BMI to 20 (will not trigger) if K0200A or K0200B missing;

* else calculate actual value;

IF SUBSTR(K0200A,1,1) = '-' OR K0200A = '00' OR

SUBSTR(K0200B,1,1) = '-' OR K0200B = '000'

THEN BMI = 20.0000;

ELSE

BMI = (INPUT(K0200B, 3.) * 703) / (INPUT(K0200A, 2.)**2);

*Trigger on BMI (do not round value to a single decimal place);

IF BMI < 18.5000 OR BMI > 24.9000 THEN V0200A12A = '1';

*Trigger on Condition 3;

IF K0300 = '1' OR K0300 = '2' THEN V0200A12A = '1';

*Trigger on Condition 4;

IF K0310 = '1' OR K0310 = '2' THEN V0200A12A = '1';

*Trigger on Condition 5;

IF K0520A2 = '1' OR K0520A3 = '1' THEN V0200A12A = '1';

*Trigger on Condition 6;

IF K0520C3 = '1' THEN V0200A12A = '1';

*Trigger on Condition 7;

Care Area Trigger Specifications Change Document (v1.06.0)

IF K0520D3 = '1' THEN V0200A12A = '1';

*Trigger on Condition 8;

IF ((M0300B1 > '0' AND M0300B1 <= '9') OR
(M0300C1 > '0' AND M0300C1 <= '9') OR
(M0300D1 > '0' AND M0300D1 <= '9') OR
(M0300E1 > '0' AND M0300E1 <= '9') OR
(M0300F1 > '0' AND M0300F1 <= '9') OR
(M0300G1 > '0' AND M0300G1 <= '9'))
THEN V0200A12A = '1';

CAT Specifications: 13 Feeding Tubes

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Feeding tube while NOT a resident or while a resident is used as a nutritional approach as indicated by:

K0510B1 = 1 OR K0510B2 = 1

Pseudocode (SAS)

*CAT13 Logic;

*Initialize CAT indicator to not triggered;

V0200A13A = '0';

*Trigger on Condition 1;

IF K0510B1 = '1' OR K0510B2 = '1' THEN V0200A13A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Feeding tube while NOT a resident or while a resident is used as a nutritional approach as indicated by:

K0520B2 = 1 OR K0520B3 = 1

Pseudocode (SAS)

*CAT13 Logic;

*Initialize CAT indicator to not triggered;

V0200A13A = '0';

*Trigger on Condition 1;

IF K0520B2 = '1' OR K0520B3 = '1' THEN V0200A13A = '1';

CAT Specifications: 14 Dehydration/Fluid Maintenance

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Fever is selected as a problem health condition as indicated by:
J1550A = 1
2. Vomiting is selected as a problem health condition as indicated by:
J1550B = 1
3. Dehydration is selected as a problem health condition as indicated by:
J1550C = 1
4. Internal bleeding is selected as a problem health condition as indicated by:
J1550D = 1
5. Infection present as indicated by:
(I1700 = 1) OR
(I2000 = 1) OR
(I2100 = 1) OR
(I2200 = 1) OR
(I2300 = 1) OR
(I2400 = 1) OR
(I2500 = 1) OR
((M1040A = 1))
6. Constipation present as indicated by:
H0600 = 1
7. Parenteral/IV feeding while NOT a resident or while a resident is used as a nutritional approach as indicated by:
K0510A1=1 OR K0510A2 = 1
8. Feeding tube is used while NOT a resident or while a resident as a nutritional approach as indicated by:
K0510B1 = 1 OR K0510B2 = 1

Pseudocode (SAS)

```
*CAT14 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A14A = '0';  
  
*Trigger on Condition 1;  
IF J1550A = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 2;  
IF J1550B = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 3;  
IF J1550C = '1' THEN V0200A14A = '1';
```

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*Trigger on Condition 4;
IF J1550D = '1' THEN V0200A14A = '1';

*Trigger on Condition 5;
IF
 (I1700 = '1') OR
 (I2000 = '1') OR
 (I2100 = '1') OR
 (I2200 = '1') OR
 (I2300 = '1') OR
 (I2400 = '1') OR
 (I2500 = '1') OR
 ((M1040A = '1'))
THEN V0200A14A = '1';

*Trigger on Condition 6;
IF H0600 = '1' THEN V0200A14A = '1';

*Trigger on Condition 7;
IF K0510A1 = '1' OR K0510A2 = '1' THEN V0200A14A = '1';

*Trigger on Condition 8;
IF K0510B1 = '1' OR K0510B2 = '1' THEN V0200A14A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Fever is selected as a problem health condition as indicated by:
 J1550A = 1
2. Vomiting is selected as a problem health condition as indicated by:
 J1550B = 1
3. Dehydration is selected as a problem health condition as indicated by:
 J1550C = 1
4. Internal bleeding is selected as a problem health condition as indicated by:
 J1550D = 1
5. Infection present as indicated by:
 (I1700 = 1) OR
 (I2000 = 1) OR
 (I2100 = 1) OR
 (I2200 = 1) OR
 (I2300 = 1) OR
 (I2400 = 1) OR
 (I2500 = 1) OR
 ((M1040A = 1))

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6. Constipation present as indicated by:
H0600 = 1
7. Parenteral/IV feeding while NOT a resident or while a resident is used as a nutritional approach as indicated by:
K0520A2 = 1 OR K0520A3 = 1
8. Feeding tube is used while NOT a resident or while a resident as a nutritional approach as indicated by:
K0520B2 = 1 OR K0520B3 = 1

Pseudocode (SAS)

```
*CAT14 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A14A = '0';  
  
*Trigger on Condition 1;  
IF J1550A = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 2;  
IF J1550B = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 3;  
IF J1550C = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 4;  
IF J1550D = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 5;  
IF  
    (I1700 = '1') OR  
    (I2000 = '1') OR  
    (I2100 = '1') OR  
    (I2200 = '1') OR  
    (I2300 = '1') OR  
    (I2400 = '1') OR  
    (I2500 = '1') OR  
    ((M1040A = '1'))  
    THEN V0200A14A = '1';  
  
*Trigger on Condition 6;  
IF H0600 = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 7;  
IF K0520A2 = '1' OR K0520A3 = '1' THEN V0200A14A = '1';  
  
*Trigger on Condition 8;  
IF K0520B2 = '1' OR K0520B3 = '1' THEN V0200A14A = '1';
```

CAT Specifications: 16 Pressure Ulcer

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. ADL assistance for bed mobility was needed, or activity did not occur, or activity only occurred once or twice as indicated by:
 $(G0110A1 \geq 1 \text{ AND } G0110A1 \leq 4) \text{ OR } (G0110A1 = 7 \text{ OR } G0110A1 = 8)$
2. Frequent urinary incontinence as indicated by:
 $H0300 = 2 \text{ OR } H0300 = 3$
3. Frequent bowel continence as indicated by:
 $H0400 = 2 \text{ OR } H0400 = 3$
4. Weight loss in the absence of physician-prescribed regimen as indicated by:
 $K0300 = 2$
5. Resident at risk for developing pressure ulcers as indicated by:
 $M0150 = 1$
6. Resident has one or more unhealed pressure ulcer(s) at Stage 2 or higher, or one or more likely pressure ulcers that are unstageable at this time as indicated by:
 $(M0300B1 > 0 \text{ AND } M0300B1 \leq 9) \text{ OR } (M0300C1 > 0 \text{ AND } M0300C1 \leq 9) \text{ OR } (M0300D1 > 0 \text{ AND } M0300D1 \leq 9) \text{ OR } (M0300E1 > 0 \text{ AND } M0300E1 \leq 9) \text{ OR } (M0300F1 > 0 \text{ AND } M0300F1 \leq 9) \text{ OR } (M0300G1 > 0 \text{ AND } M0300G1 \leq 9)$
7. Resident has one or more unhealed pressure ulcer(s) at Stage 1 as indicated by:
 $M0300A > 0 \text{ AND } M0300A \leq 9$
8. THIS CONDITION WAS DELETED IN V1.03.0 BECAUSE THE M0800 ITEMS WERE DELETED FROM THE ITEM SET
9. Trunk restraint used in bed has value of 1 or 2 as indicated by:
 $P0100B = 1 \text{ OR } P0100B = 2$
10. Trunk restraint used in chair or out of bed has value of 1 or 2 as indicated by:
 $P0100E = 1 \text{ OR } P0100E = 2$

Pseudocode (SAS)

```
*CAT16 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A16A = '0';  
  
*Trigger on Condition 1;  
IF (G0110A1 >= '1' AND G0110A1 <= '4') OR  
   (G0110A1 = '7' OR G0110A1 = '8')
```

Care Area Trigger Specifications Change Document (v1.06.0)

THEN V0200A16A = '1';

*Trigger on Condition 2;

IF H0300 = '2' OR H0300 = '3' THEN V0200A16A = '1';

*Trigger on Condition 3;

IF H0400 = '2' OR H0400 = '3' THEN V0200A16A = '1';

*Trigger on Condition 4;

IF K0300 = '2' THEN V0200A16A = '1';

*Trigger on Condition 5;

IF M0150 = '1' THEN V0200A16A = '1';

*Trigger on Condition 6;

IF ((M0300B1 > '0' AND M0300B1 <= '9') OR
(M0300C1 > '0' AND M0300C1 <= '9') OR
(M0300D1 > '0' AND M0300D1 <= '9') OR
(M0300E1 > '0' AND M0300E1 <= '9') OR
(M0300F1 > '0' AND M0300F1 <= '9') OR
(M0300G1 > '0' AND M0300G1 <= '9'))
THEN V0200A16A = '1';

*Trigger on Condition 7;

IF M0300A > '0' AND M0300A <= '9'
THEN V0200A16A = '1';

*Trigger on Condition 8;

*DELETED IN V1.03.0 BECAUSE THE M0800 ITEMS WERE DELETED

*Trigger on Condition 9;

IF P0100B = '1' OR P0100B = '2' THEN V0200A16A = '1';

*Trigger on Condition 10;

IF P0100E = '1' OR P0100E = '2' THEN V0200A16A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. ADL assistance for movement in bed was needed, or activity was not attempted as indicated by:

GG0170A1<>'06' OR GG0170A5<>'06' OR GG0170B1<>'06' OR
GG0170B5<>'06' OR GG0170C1<>'06' OR GG0170C5<>'06'

2. Frequent urinary incontinence as indicated by:

H0300 = 2 OR H0300 = 3

3. Frequent bowel continence as indicated by:

H0400 = 2 OR H0400 = 3

Care Area Trigger Specifications Change Document (v1.06.0)

4. Weight loss in the absence of physician-prescribed regimen as indicated by:
K0300 = 2
5. Resident at risk for developing pressure ulcers as indicated by:
M0150 = 1
6. Resident has one or more unhealed pressure ulcer(s) at Stage 2 or higher, or one or more likely pressure ulcers that are unstageable at this time as indicated by:
(M0300B1 > 0 AND M0300B1 <= 9) OR
(M0300C1 > 0 AND M0300C1 <= 9) OR
(M0300D1 > 0 AND M0300D1 <= 9) OR
(M0300E1 > 0 AND M0300E1 <= 9) OR
(M0300F1 > 0 AND M0300F1 <= 9) OR
(M0300G1 > 0 AND M0300G1 <= 9))
7. Resident has one or more unhealed pressure ulcer(s) at Stage 1 as indicated by:
M0300A > 0 AND M0300A <= 9
8. Trunk restraint used in bed has value of 1 or 2 as indicated by:
P0100B = 1 OR P0100B = 2
9. Trunk restraint used in chair or out of bed has value of 1 or 2 as indicated by:
P0100E = 1 OR P0100E = 2

Pseudocode (SAS)

```
*CAT16 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A16A = '0';  
  
*Trigger on Condition 1;  
IF GG0170A1<>'06' OR GG0170A5<>'06' OR GG0170B1<>'06' OR  
GG0170B5<>'06' OR GG0170C1<>'06' OR GG0170C5<>'06'  
THEN V0200A16A = '1';  
  
*Trigger on Condition 2;  
IF H0300 = '2' OR H0300 = '3' THEN V0200A16A = '1';  
  
*Trigger on Condition 3;  
IF H0400 = '2' OR H0400 = '3' THEN V0200A16A = '1';  
  
*Trigger on Condition 4;  
IF K0300 = '2' THEN V0200A16A = '1';  
  
*Trigger on Condition 5;  
IF M0150 = '1' THEN V0200A16A = '1';  
  
*Trigger on Condition 6;  
IF ((M0300B1 > '0' AND M0300B1 <= '9') OR  
(M0300C1 > '0' AND M0300C1 <= '9') OR  
(M0300D1 > '0' AND M0300D1 <= '9')) OR
```


Care Area Trigger Specifications Change Document (v1.06.0)

```
(M0300E1 > '0' AND M0300E1 <= '9') OR  
(M0300F1 > '0' AND M0300F1 <= '9') OR  
(M0300G1 > '0' AND M0300G1 <= '9'))  
THEN V0200A16A = '1';
```

*Trigger on Condition 7;

```
IF M0300A > '0' AND M0300A <= '9'  
THEN V0200A16A = '1';
```

*Trigger on Condition 8;

```
IF P0100B = '1' OR P0100B = '2' THEN V0200A16A = '1';
```

*Trigger on Condition 9;

```
IF P0100E = '1' OR P0100E = '2' THEN V0200A16A = '1';
```

CAT Specifications: 17 Psychotropic Drug Use

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Antipsychotic medication administered to resident on one or more of the last 7 days or since admission/entry or reentry as indicated by:
N0410A >= 1 AND N0410A <= 7
2. Antianxiety medication administered to resident on one or more of the last 7 days or since admission/entry or reentry as indicated by:
N0410B >= 1 AND N0410B <= 7
3. Antidepressant medication administered to resident on one or more of the last 7 days or since admission/entry or reentry as indicated by:
N0410C >= 1 AND N0410C <= 7
4. Hypnotic medication administered to resident on one or more of the last 7 days or since admission/entry or reentry as indicated by:
N0410D >= 1 AND N0410D <= 7

Pseudocode (SAS)

*CAT17 Logic;

```
*Initialize CAT indicator to not triggered;  
V0200A17A = '0';
```

*Trigger on Condition 1;

```
IF N0410A >= '1' AND N0410A <= '7' THEN V0200A17A = '1';
```

*Trigger on Condition 2;

```
IF N0410B >= '1' AND N0410B <= '7' THEN V0200A17A = '1';
```

*Trigger on Condition 3;

Care Area Trigger Specifications Change Document (v1.06.0)

IF N0410C >= '1' AND N0410C <= '7' THEN V0200A17A = '1';

*Trigger on Condition 4;

IF N0410D >= '1' AND N0410D <= '7' THEN V0200A17A = '1';

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Antipsychotic medication administered to resident during the last 7 days or since admission/entry or reentry as indicated by:

N0415A1 = 1

2. Antianxiety medication administered to resident during the last 7 days or since admission/entry or reentry as indicated by:

N0415B1 = 1

3. Antidepressant medication administered to resident during the last 7 days or since admission/entry or reentry as indicated by:

N0415C1 = 1

4. Hypnotic medication administered to resident during the last 7 days or since admission/entry or reentry as indicated by:

N0415D1 = 1

Pseudocode (SAS)

*CAT17 Logic;

*Initialize CAT indicator to not triggered;

V0200A17A = '0';

*Trigger on Condition 1;

IF N0415A1 = '1' THEN V0200A17A = '1';

*Trigger on Condition 2;

IF N0415B1 = '1' THEN V0200A17A = '1';

*Trigger on Condition 3;

IF N0415C1 = '1' THEN V0200A17A = '1';

*Trigger on Condition 4;

IF N0415D1 = '1' THEN V0200A17A = '1';

CAT Specifications: 19 Pain

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Pain has made it hard for resident to sleep at night over the past 5 nights as indicated by:
J0500A = 1
2. Resident has limited day-to-day activity because of pain over past 5 days as indicated by:
J0500B = 1
3. Pain numeric intensity rating has a value from 7 to 10 as indicated by:
J0600A >= 07 AND J0600A <=10
4. Verbal descriptor of pain is severe or very severe as indicated by a value of 3 or 4 as follows:
J0600B = 3 OR J0600B = 4
5. Pain is frequent as indicated by a value of 1 or 2 and pain numeric intensity rating has a value of 4 through 10 or verbal descriptor of pain has a value of 2 through 4 as indicated by:
(J0400 = 1 OR J0400 = 2) AND
((J0600A >= 04 AND J0600A <= 10) OR
(J0600B >= 2 AND J0600B <= 4))
6. Staff assessment reports resident indicates pain or possible pain in body language as indicated by:
(J0800A = 1) OR
(J0800B = 1) OR
(J0800C = 1) OR
(J0800D = 1)

Care Area Trigger Specifications Change Document (v1.06.0)

Pseudocode (SAS)

```
*CAT19 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A19A = '0';  
  
*Trigger on Condition 1;  
IF J0500A = '1' THEN V0200A19A = '1';  
  
*Trigger on Condition 2;  
IF J0500B = '1' THEN V0200A19A = '1';  
  
*Trigger on Condition 3;  
IF J0600A >= '07' AND J0600A <= '10' THEN V0200A19A = '1';  
  
*Trigger on Condition 4;  
IF J0600B = '3' OR J0600B = '4' THEN V0200A19A = '1';  
  
*Trigger on Condition 5;  
IF (J0400 = '1' OR J0400 = '2') AND  
   ((J0600A >= '04' AND J0600A <= '10') OR  
    (J0600B >= '2' AND J0600B <= '4'))  
   THEN V0200A19A = '1';  
  
*Trigger on Condition 6;  
IF (J0800A = '1') OR (J0800B = '1') OR  
   (J0800C = '1') OR (J0800D = '1')  
   THEN V0200A19A = '1';
```

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Pain has made it hard for resident to sleep at night over the past 5 nights as indicated by:
J0510 = 2, 3, or 4
2. Resident has limited day-to-day activity because of pain over past 5 days as indicated by:
J0530 = 2, 3, or 4
3. Pain numeric intensity rating has a value from 7 to 10 as indicated by:
J0600A >= 07 AND J0600A <=10
4. Verbal descriptor of pain is severe or very severe as indicated by a value of 3 or 4 as follows:
J0600B = 3 OR J0600B = 4
5. Pain is frequent as indicated by a value of 1 or 2 and pain numeric intensity rating has a value of 4 through 10 or verbal descriptor of pain has a value of 2 through 4 as indicated by:

Care Area Trigger Specifications Change Document (v1.06.0)

(J0410 = 3 OR J0410 = 4) AND
((J0600A >= 04 AND J0600A <= 10) OR
(J0600B >= 2 AND J0600B <= 4))

6. Staff assessment reports resident indicates pain or possible pain in body language as indicated by:

(J0800A = 1) OR
(J0800B = 1) OR
(J0800C = 1) OR
(J0800D = 1)

Pseudocode (SAS)

*CAT19 Logic;

*Initialize CAT indicator to not triggered;

V0200A19A = '0';

*Trigger on Condition 1;

IF J0510 = '2' OR J0510 = '3' OR J0510 = '4' THEN V0200A19A = '1';

*Trigger on Condition 2;

IF J0530 = '2' OR J0530 = '3' OR J0530 = '4' THEN V0200A19A = '1';

*Trigger on Condition 3;

IF J0600A >= '07' AND J0600A <= '10' THEN V0200A19A = '1';

*Trigger on Condition 4;

IF J0600B = '3' OR J0600B = '4' THEN V0200A19A = '1';

*Trigger on Condition 5;

IF (J0410 = '3' OR J0410 = '4') AND
((J0600A >= '04' AND J0600A <= '10') OR
(J0600B >= '2' AND J0600B <= '4'))
THEN V0200A19A = '1';

*Trigger on Condition 6;

IF (J0800A = '1') OR (J0800B = '1') OR
(J0800C = '1') OR (J0800D = '1')

THEN V0200A19A = '1';

CAT Specifications: 20 Return to Community Referral

Previous triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Referral has not been made to local contact agency as indicated by:

Q0600 = 1

Care Area Trigger Specifications Change Document (v1.06.0)

Pseudocode (SAS)

```
*CAT20 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A20A = '0';  
  
*Trigger on Condition 1;  
IF Q0600 = '1' THEN V0200A20A = '1';
```

New triggering conditions and pseudocode:

Triggering Conditions (any of the following)

1. Resident wants to or may want to talk to someone about returning to community as indicated by:
Q0500B = 1 or 9

Pseudocode (SAS)

```
*CAT20 Logic;  
*Initialize CAT indicator to not triggered;  
V0200A20A = '0';  
  
*Trigger on Condition 1;  
IF (Q0500B = '1') OR (Q0500B = '9'), THEN V0200A20A = '1';
```

