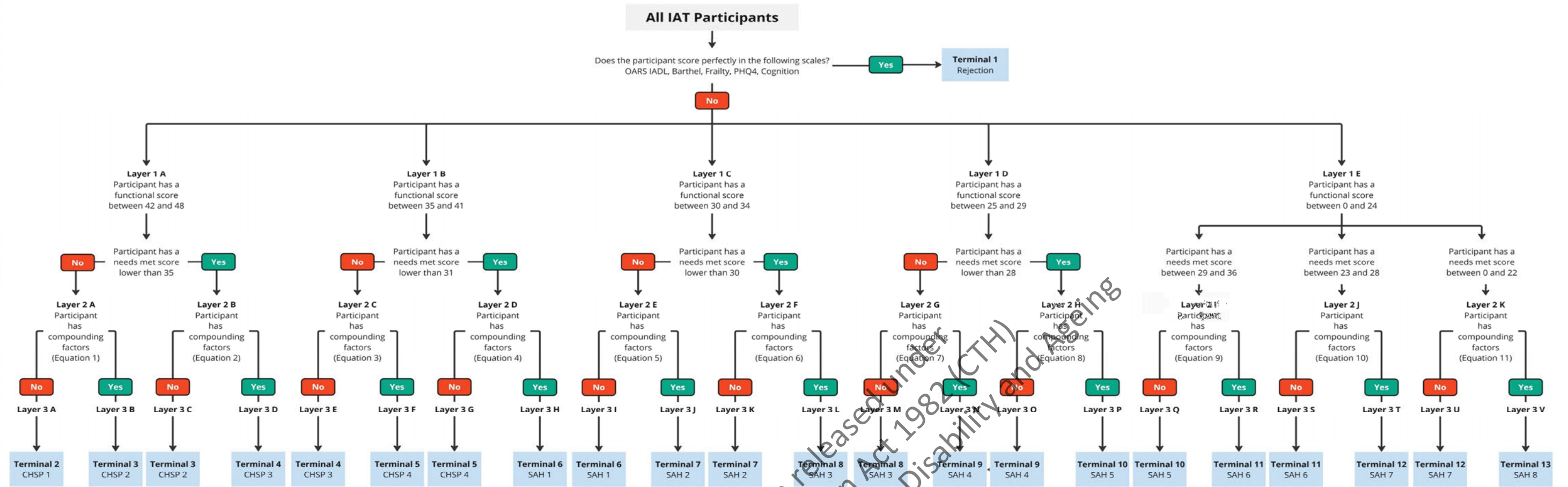


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Contents

Classification Tree	Dendrogram of SaH classification rules
Conditions	Summarised classification rules
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Conditions

If at least one of the following cases are true, recommend the class noted in column C (Class)

Note 1: Please refer to the sheet "Complexity Equations" for the specific variables and coefficients of each Complexity Equation. Note: Complexity equation refers to the term compounding factor used in the Classification Tree Diagram

Note 2: Where a score range has been provided (e.g. 44 - 48) this is inclusive of the upper and lower bounds. Namely, it will include 44 and 48.

Note 3: All the conditions under a case follow an AND combination i.e. they should all hold true for the case to be true.

Class	Case	Condition
Rejection	1	a) No cognitive issues (cognitive indication = 0)
		b) OARS IADL Score = 14
		c) Barthel Score = 20
		d) frail.score = 0
		e) PHQ4_score = 0
CHSP 1	1	a) Functional sum of 42 - 48
		b) Needs Met score of 35 - 36
		c) Does not have compounding factors using Complexity Equation 1
CHSP 2	1	a) Functional sum of 42 - 48
		b) Needs Met score of 35 - 36
		c) Have compounding factors using Complexity Equation 1
	2	a) Functional sum of 42 - 48
CHSP 3	1	b) Needs Met score of 0 - 34
		c) Does not have compounding factors using Complexity Equation 2
		a) Functional sum of 42 - 48
	2	a) Functional sum of 35 - 41
CHSP 4	1	b) Needs Met score of 31 - 36
		c) Does not have compounding factors using Complexity Equation 3
		a) Functional sum of 35 - 41
	2	a) Functional sum of 35 - 41
SAH 1	1	b) Needs Met score of 0 - 30
		c) Have compounding factors using Complexity Equation 4
		a) Functional sum of 30 - 34
	2	a) Functional sum of 30 - 34
SAH 2	1	b) Needs Met score of 30 - 36
		c) Have compounding factors using Complexity Equation 5
		a) Functional sum of 30 - 34
	2	a) Functional sum of 30 - 34
SAH 3	1	b) Needs Met score of 0 - 29
		c) Have compounding factors using Complexity Equation 6
		a) Functional sum of 25 - 29
	2	a) Functional sum of 25 - 29
SAH 4	1	b) Needs Met score of 28 - 36
		c) Does not have compounding factors using Complexity Equation 7
		a) Functional sum of 25 - 29
	2	a) Functional sum of 25 - 29
SAH 5	1	b) Needs Met score of 0 - 27
		c) Have compounding factors using Complexity Equation 8
		a) Functional sum of 25 - 29
	2	a) Functional sum of 25 - 29
SAH 6	1	b) Needs Met score of 29 - 36
		c) Have compounding factors using Complexity Equation 9
		a) Functional sum of 25 - 29
	2	a) Functional sum of 25 - 29
SAH 7	1	b) Needs Met score of 23 - 28
		c) Have compounding factors using Complexity Equation 10
		a) Functional sum of 23 - 28
	2	a) Functional sum of 23 - 28
SAH 8	1	b) Needs Met score of 0 - 22
		c) Does not have compounding factors using Complexity Equation 11
		a) Functional sum of 0 - 24
	2	a) Functional sum of 0 - 24

Conditions

A clients has compoudning factors when their fitted value is greater than 0.

Case	Condition	Outcome	Description
1	$x > 0$	1	Have compounding factors
2	$x \leq 0$	0	Does not have compounding factors

Individual Complexity Rules

To calculate the predicted condition, first multiply each variable by the respective coefficient, sum them and then add the intercept.

s47E(d)

s47E(d)

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Class Correspondence to CHSP and SaH

The following table provides a mapping of Classes to CHSP or the SaH program commencing 2025

Class	Service Group	Class Type	Class Label
Rejection	-	-	Not Eligible for ongoing SaH and/or CHSP
Class 2	Home Support	Ongoing	CHSP
Class 4	Home Support	Ongoing	CHSP
Class 5	Home Support	Ongoing	CHSP
Class 6	Home Support	Ongoing	CHSP
Class 7	Home Support	Ongoing	SaH Classification 1
Class 8	Home Support	Ongoing	SaH Classification 2
Class 9	Home Support	Ongoing	SaH Classification 3
Class 10	Home Support	Ongoing	SaH Classification 4
Class 11	Home Support	Ongoing	SaH Classification 5
Class 12	Home Support	Ongoing	SaH Classification 6
Class 13	Home Support	Ongoing	SaH Classification 7
Class 14	Home Support	Ongoing	SaH Classification 8

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Questions used*A list of questions used from the IAT in the classification algorithm/decision tree*

Variable Name	Code	Question	Notes
s47E(d)			

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s47E(d)



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Constructed Variables

List of constructed variables for the IAT classification algorithm

Functional Sum

maximum score of 36 which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Completely unable	s47E(d)
		With some help	
		Without help	
2	s47E(d)	Completely unable	s47E(d)
		Major help	
		Minor help	
		Without help	
3	s47E(d)	Completely unable	s47E(d)
		Major help	
		Minor help	
		Without help	
4	s47E(d)	Incontinent	s47E(d)
		Occasional accident	
5	s47E(d)	Completely unable	s47E(d)
		Some difficulty	
		No difficulty	
6	s47E(d)	Completely unable	s47E(d)
		Wheelchair independent	
		With some help	
		Without help	
7	s47E(d)	Completely unable	s47E(d)
		With some help	
		Without help	
8	s47E(d)	NA	s47E(d)
		No	
		Yes	
9	s47E(d)	Yes	s47E(d)
		No	

Needs Met Score

maximum score of 36 which is calculated by summing encoded values

Note, for each question, if the individual answered "Without Help" for the activity, assign them the maximum score of 36 for that activity. For "Question Set 2", use the Wheelchair - Need Met if the individual responded "Wheelchair independent" in the Walk question. Use Walk - Need Met for all other cases.

Question Set	Question	Response	Encoding
1	s47E(d)	Client does not require assistance	s47E(d)
		Completely met	
		Partially met	
2	s47E(d)	Completely unmet	s47E(d)
		Completely unmet	
		Completely unmet	
		Completely unmet	

continence_score

maximum score of 36 which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Incontinent, or catheterised and unable to manage	s47E(d)
		Occasional accident (max. once per 24 hours)	
		Continent (for over 7 days)	
2	s47E(d)	Incontinent (or needs to given enemata)	s47E(d)
		Occasional accident (once/week)	
		Continent	

FeelsLonelyDownOrSociallyIsolated__4.1

Indicator variable which is calculated using the following question

Question Set	Question	Response	Encoding
1	s47E(d)	Not sure No, not at all Occasionally Sometimes Most of the time	s47E(d)

carer_var

Indicator variable which is calculated using the following question. A client may have multiple responses to this question if they have many carers. Assign s47E(d) if the carers answered 'Yes', else s47E(d)

Question Set	Question	Response	Encoding
1	s47E(d)	Yes No	s47E(d)

frail.score

Question Set	Question	Response	Encoding
1	s47E(d)	No weight loss	s47E(d)
2		1-5 kgs or less than 5% of body weight	
3		More than 5 kg or more than 5% of body weight	
4		Some, a little or none of the time	
5		All of the time	
6		No	
7		Yes	
8		No	
9		Yes	
10		Number of illnesses is 4 or less.	
11		Number of illnesses is greater than 4.	

PHQ4_score

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	No, not at all Several days More than half of the days Nearly every day	s47E(d)

GP Cog - Step 1

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Incorrect	s47E(d)
2		Correct	
3		Incorrect	
4		Correct	
5		Incorrect	
6		Correct	
7		Incorrect	
8		Correct	
9		Incorrect	
10		Correct	
11		Incorrect	
12		Correct	
13		Incorrect	
14		Correct	
15		Incorrect	
16		Correct	
17		Incorrect	
18		Correct	
19		Incorrect	
20		Correct	

GP Cog - Step 2 (Informant)

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Yes Don't know Not applicable No	s47E(d)
2		Yes Don't know	

2	s47E(d)	Not applicable	s47E(d)
		No	
		Yes	
3		Don't know	
		Not applicable	
		No	
		Yes	
4		Don't know	
		Not applicable	
		No	
		Yes	
5		Don't know	
		Not applicable	
		No	
		Yes	
6		Don't know	
		Not applicable	
		No	

KICA-COG

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Incorrect	s47E(d)
		Correct	
2		Incorrect	
		Correct	
3		Incorrect	
		Correct	
4		Incorrect	
		Correct	
5		Incorrect	
		Correct	
6		Incorrect	
		Correct	
7		Incorrect	
		Correct	
8		Incorrect	
		Correct	
9		Incorrect	
		Correct	
10		None correct	
		1 correct	
		2 correct	
		3 correct	
11		Not completed	
		Completed	
12		Not able	
		Pointed to the sky only	
		Pointed to the sky and ground	
13		0 animal	
		1-4 animals	
		5-8 animals	
		9 animals	
14		None correct	
		1 correct	
		2 correct	
		3 correct (all correct)	
15		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
14		Not able to copy	
		Able to copy	
15		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
16		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
17		Not able	
		Able	
18		Not able	
		Able	

KICA-COG Regional Urban (RU)

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Incorrect	s47E(d)
		Correct	
2		Incorrect	
		Correct	
3		Incorrect	
		Correct	
4		Incorrect	
		Correct	
5		Incorrect	
		Correct	

s47E(d)		s47E(d)	
6		Incorrect	
		Correct	
7		Incorrect	
		Correct	
8		Incorrect	
		Correct	
9		Incorrect	
		Correct	
10		None correct	
		1 correct	
		2 correct	
		3 correct	
11		Not completed	
		Completed	
12		Not able	
		Pointed to the sky only	
		Pointed to the sky and ground	
13		0 animal	
		1-4 animals	
		5-8 animals	
		9 animals	
14		None correct	
		1 correct	
		2 correct	
		3 correct (all correct)	
15		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
14		Not able to copy	
		Able to copy	
15		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
16		No correct	
		1 correct	
		2 correct	
		3 correct	
		4 correct	
		5 correct (all correct)	
17		Not able	
		Able	
18		Not able	
		Able	

KICA Carer

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	No	s47E(d)
		Sometimes	
		All the time	
2		No	
		Sometimes	
		All the time	
3		No	
		Sometimes	
		All the time	
4		No	
		Sometimes	
		All the time	
5		No	
		Sometimes	
		All the time	
6		No	
		Sometimes	
		All the time	
7		No	
		Sometimes	
		All the time	
8		No	
		Sometimes	
		All the time	

cog_indication

Indicator variable s47E as long as any of the following conditions are met

Question Set	Question	Response	Encoding
1	s47E(d)	No	s47E(d)
		Yes	
		Does not have any of the conditions listed.	

s47E(d)		s47E(d)	
2		At least one of the conditions	
3		GP Cog Step 1 >= 5	
4		GP Cog Step 1 < 5	
5		GP Cog Step 2 >= 4	
6		GP Cog Step 2 < 4	
7		KICA-COG Total Score >= 34	
		KICA-COG Total Score < 34	
		KICA-Cog RU Total Score > 35	
		KICA-Cog RU Total Score <= 35	
		KICA Carer >= 3	
		KICA Carer < 3	

Barthel Sum

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Completely unable	s47E(d)
2		With some help	
3		Without help	
4		Completely unable / with some help	
5		Without help	
6		Completely unable / with some help	
7		Without help	
		Completely unable	
		Major help	
		Minor help	
		Without help	
		Completely unable	
		Major help / Minor help	
		Without help	
		Incontinent	
		Occasional accident	
		Continent	
		Completely unable	
		Wheelchair independent	
		With some help	
		Without help	

OARS IADL Score

maximum s47E which is calculated by summing encoded values

Question Set	Question	Response	Encoding
1	s47E(d)	Completely unable	s47E(d)
		With some help	
		Without help	

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