

Looking to the future: using outcomes data to tackle health inequalities

View from 2 specialised AAC services

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Aims

1. Background:
 - Specialised AAC services
 - TOM-AAC
 - How we use the ROOT
2. The RCSLT health inequalities project
3. Data collection
4. The ROOT dashboard
 - Ethnicity
 - Languages
 - IMD
5. Future Plans

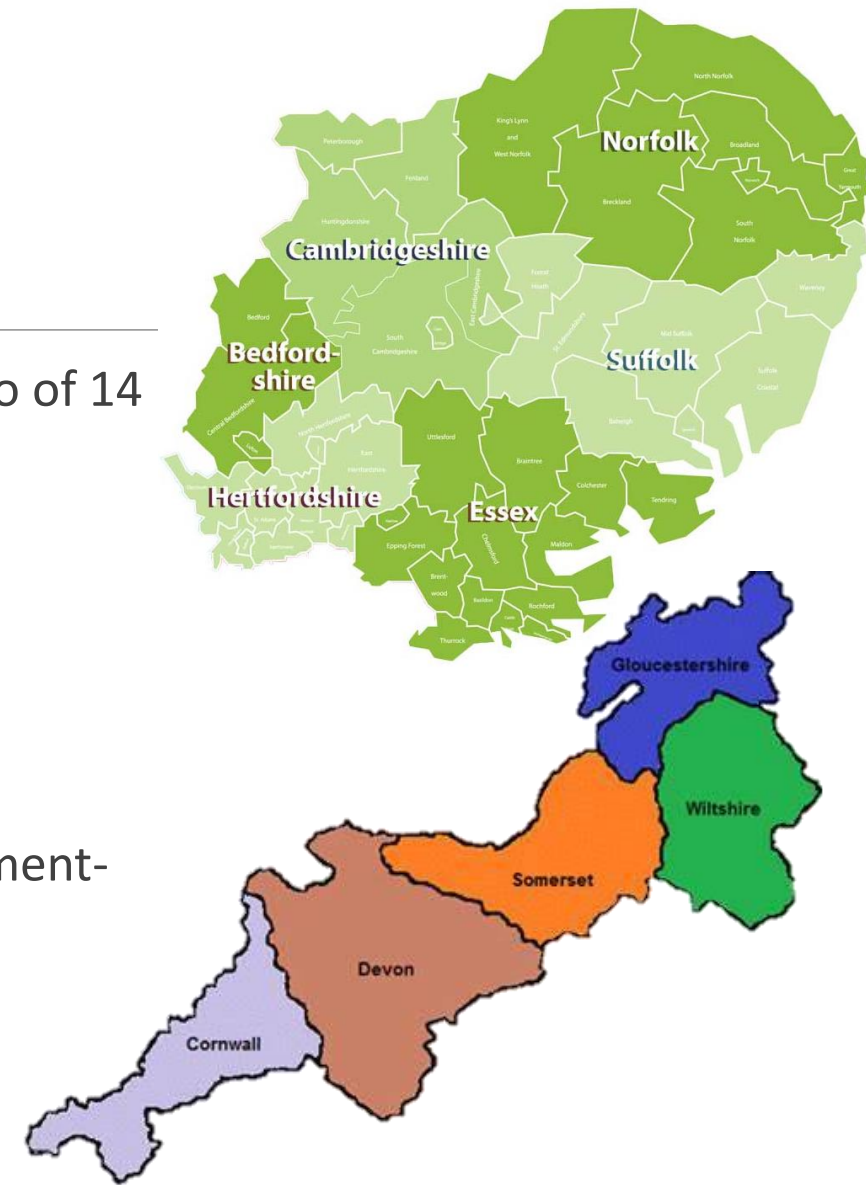
CASEE and AAC West

Communication Aid Service East of England and AAC West are two of 14 Specialised AAC Services across England

Multidisciplinary teams covering wide ranging caseload

Work to NHSE Specifications – D01/S/B Complex Disability Equipment-
Communication Aids

aac-serv-spec-jan-2016.pdf (england.nhs.uk)



How we use ROOT

- National outcome measures working party
- All 14 Spec AAC services use TOM-AAC
- **AAC West** upload monthly and **CASEE** upload quarterly

TOM-AAC

Impairment Domains	Non-impairment domains
Physical	Activity (Communication)
Cognition	Participation
Sensory	Wellbeing
Speech/ language (usually dysarthria scale)	Carer Wellbeing
Comprehension	Support

- 5 impairment domains to form a profile of the AAC user (instead of 1 as most TOMs)
- Also includes the 'support' domain as this is so important for successful use of AAC

RCSLT Health Inequality pilot project

- Ethnicity (NHS code and word)
- Languages
 - ROOT code
 - English/Welsh only
 - English/ Welsh and another language
 - Another language only
 - Language spoken
 - Interpreter required
- Social deprivation score (IMD)*

*From English Index of Multiple Deprivation 2019 (IMD2019)

Data Collection and team training

- Missing data
 - filling the gaps
- Multiple Index of social deprivation score (IMD)
 - What does it show?
 - How should we apply it?

Context for AAC services

- **Language** is very important
- Until #BLM* very little attention from suppliers about the languages available for AAC
- Still disparity between languages for text-to-speech users and symbol-based vocabulary users
- Ongoing national work with suppliers to improve their offerings

Context for AAC services

- **Ethnicity** is very important
 - Skin tones for symbol-based users
 - Culturally appropriate symbols
 - Layout of symbols i.e. food

Context for AAC services

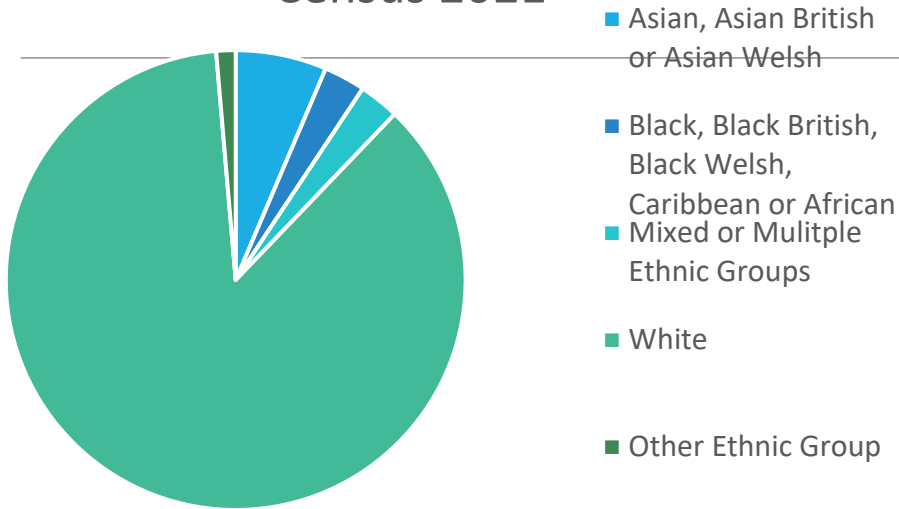
Home	?	DRINKS	Food				rest	DESSERT	CONDIMNT	GROUPS
I	BREAKFAST	MEALS	SNACKS	FRUIT VEG	-ing	-ed	-s	good	more	
me	is	what	to	please	lunch	dinner	that	a	the	
my	can	is	eat	CHINESE	ITALIAN	INDIAN	meal	at		
it	do	cheese tst	hamburger	fries	fish fingers	hot dog	pizza	spaghetti		
your		salad	soup	sandwich	tuna	cheese	nuggets	bread butter		
you	don't	beef	chicken	fish	pork	prawn	lamb	with		

Home	?	DRINKS	Food				rest	DESSERT	CONDIMNT	GROUPS
I	BREAKFAST	MEALS	SNACKS	FRUIT VEG	-ing	-ed	-s	good	more	
me	is	what	to	please	1	2	that	a	the	
my	can	is	eat	poppadum	onion bhaji	mixed starter	Indian	at	and	
it	do	rice	curry	korma	tikka mass	rogan josh	madras	naan	delete word	
your		paneer	vegetable	spinach	mushrooms	cauliflower	hot	take away	.	
you	don't	beef	chicken	fish	pork	prawn	lamb	with	clear	

ROOT Dashboard

Ethnicity - CASEE

Ethnicity in East of England ONS
Census 2021



Ethnic group, national identity, language and religion

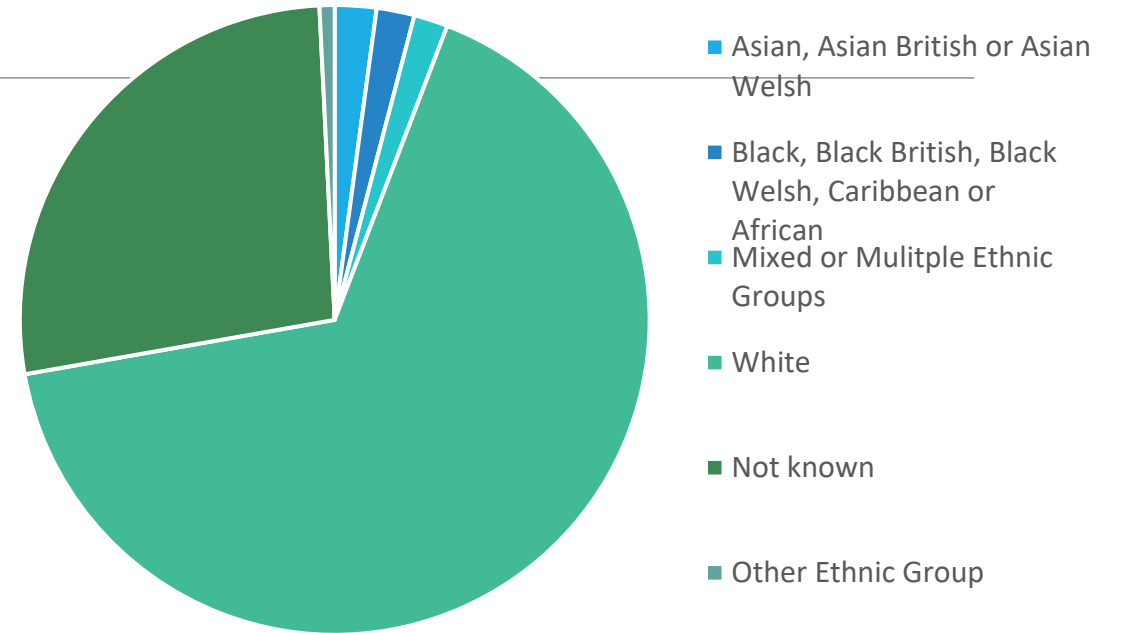
Ethnic group

Ethnic group	Persons	
	East Region	
	count	%
All usual residents	6,335,068	100.0
Asian, Asian British or Asian Welsh	405,869	6.4
Black, Black British, Black Welsh, Caribbean or African	184,949	2.9
Mixed or Multiple ethnic groups	179,654	2.8
White	5,478,364	86.5
Other ethnic group	86,232	1.4

In order to protect against disclosure of personal information, records have been swapped between different geographic areas and counts perturbed by small amounts. Small counts at the lowest geographies will be most affected.

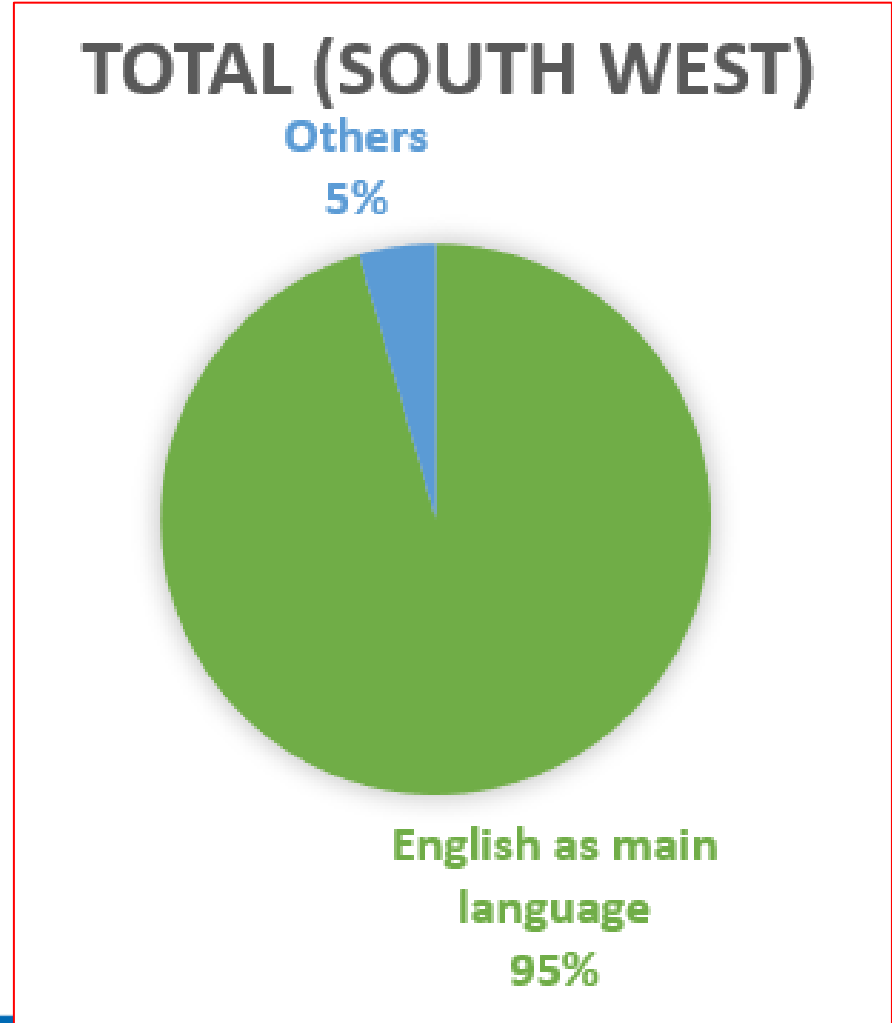
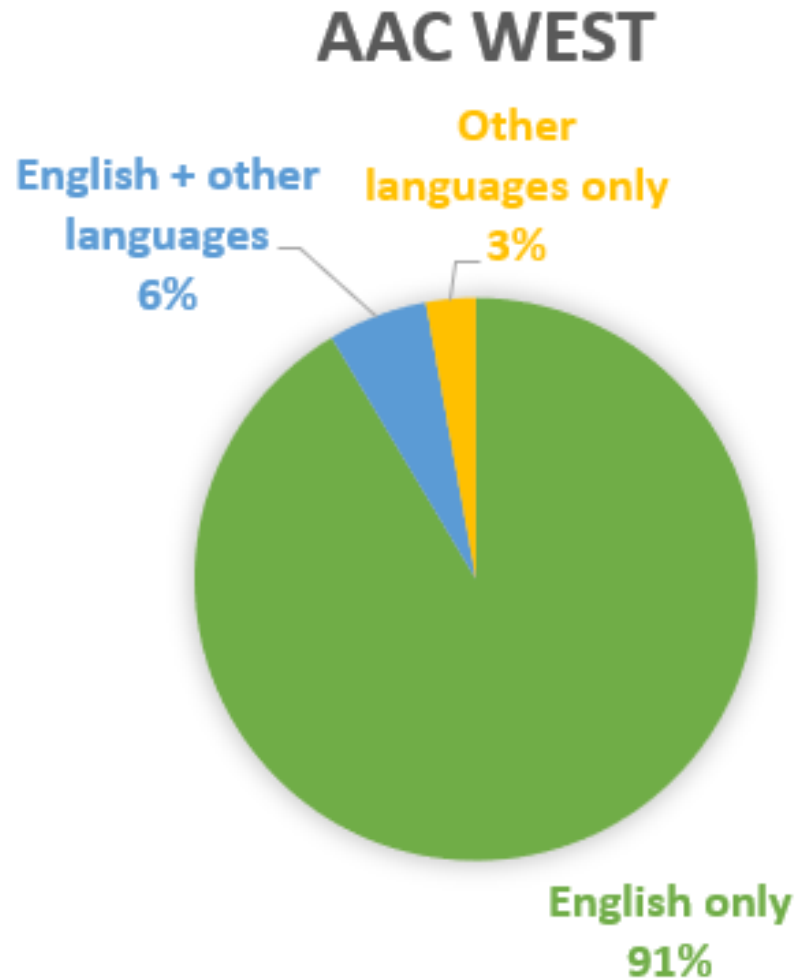
Source: ONS - 2021 Census (TS021)

Ethnicity outcome data for CASEE



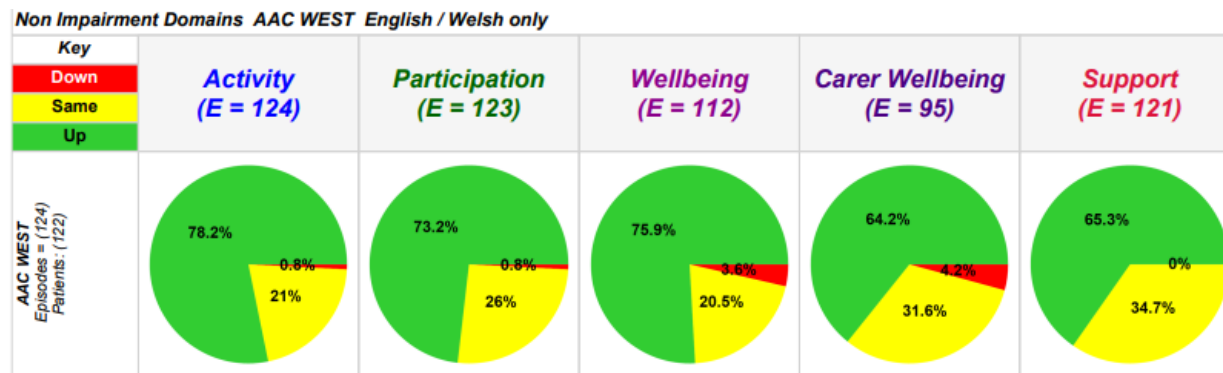
Groups	Count	%
All residents completed episode with CASEE	515	100
Asian, Asian British or Asian Welsh	11	2.2
Black, Black British, Black Welsh, Caribbean or African	10	2
Mixed or Multiple Ethnic Groups	9	1.8
White	342	66.4
Other Ethnic Group	4	0.8
Not known	139	27

Languages – population Nov 24

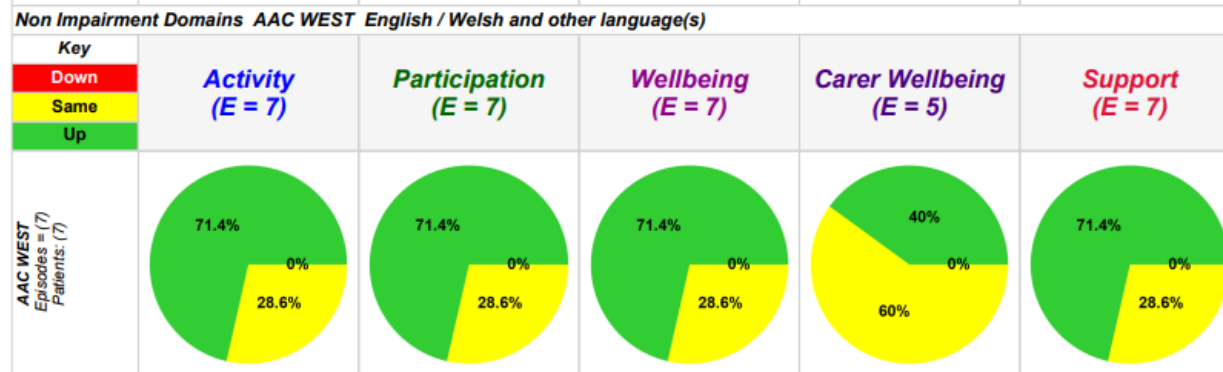


Languages – last 12 months – Nov 2024

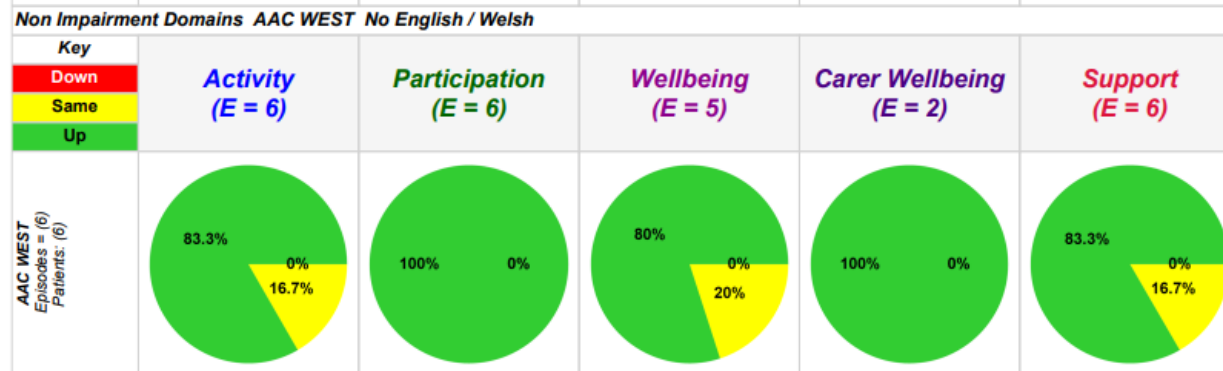
ENGLISH



ENGLISH + OTHER

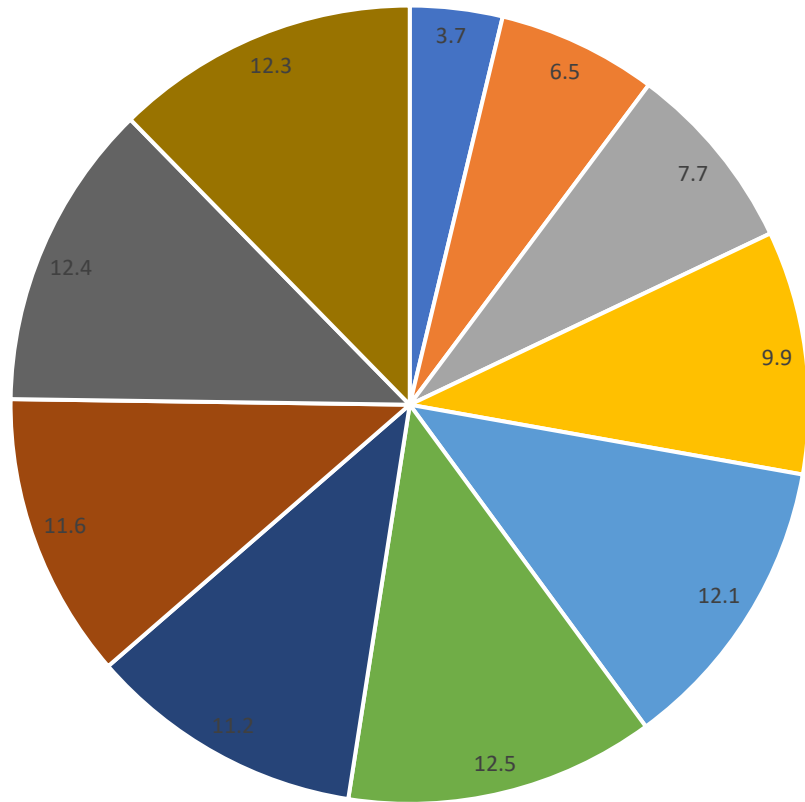


NON-ENGLISH ONLY



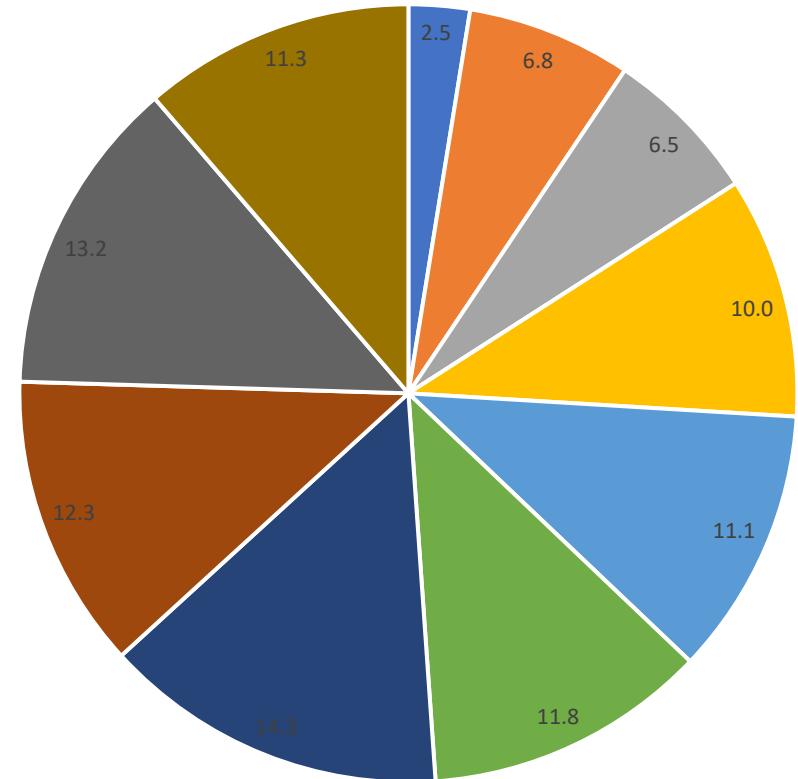
IMD - CASEE

% East of England in each decile



% CASEE episodes completed (ROOT Nov 24)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Next steps

- Compare outcomes data to total referrals
 - Do these match?
 - Or are some people less likely to reach a prescription
 - Continue to monitor areas that have lower than expected referral rate – offer training about the service
- Continue to ensure EPR meets our data collection needs
- Work with the national languages project to promote wider range of languages and culturally acceptable layouts and symbols within the AAC software