

SURVEY

Bedside Survey

Column Heading	Description
Event_ID	Records the number of encounters. Add new encounters.
Date	Date (format 01/01/2021)
Ward	Name of the ward where data were collected
Supervisor Job Title	The person who collected the data (Oral health coordinator)
Age (in Years)	Shows impact as to age groups. If a few months old please use this formula: = 6/12 (6 months). If less than a month use
Gender (M/F)	Used as part of demographic data M/F = Male/Female
Number of Siblings	Used to show impact outside of the intervention setting. If
Ethnicity	Used for demographic data and inequalities data
Ethnicity_expanded - AUTOFILL	This column is not to be filled in, it will auto fill the correct
Postcode	Used for demographic data and inequalities data - this is to be filled out in full e.g. SW10 9NH
Regularly Visits Dentist? Y/N	Does the child visit a dentist? Y/N = Yes/No
Signposted to dentist? Y/N/NHS/CD	Was the child signposted to a dentist? Y/N? If the child sees a dentist and you signposted to the following: from private to NHS or NHS to specialist NHS practice, write Y - NHS (private to NHS) or Y - CD (community dentist). If the child
Toothbrush / Toothpaste Given? Full set/ Timer/ Toothbrush/ Toothpaste	Please specify exactly what consumables were given, this helps with budgeting for future funding.
Have they seen any info/posters Y/N	This helps with sustainability of the programme - this only counts for information within the hospital
what did they see info/posters on? (free text)	Please specify what information they saw on the posters
were they given info during admission? Y/N	This helps with sustainability of the programme - this only
what were they given info on? (free text)	Please specify the type of information they were given i.e.
child brushes LESS than daily	The child does not brush everyday, only brushes a few times
child brushes 1 time per day	The child predominantly brush only once per day morning or
child brushes 1-2 times per day	The child brush between one to two times a day as apposed
child brushes 2 times per day	The child brushes twice a day, everyday. Write 1 if
child brushes more than twice daily	The child brushes more than twice a day, everyday. Write 1
sugary drinks less than 3 times per week	This includes homemade smoothies/fruit juice less than 3
sugary drinks more than three times per week	Sugary drinks more than 3 times a week including once per
sugary drinks more than 1 per day	Sugary drinks at least twice per day. Write 1 if applicable. 1=
sugary foods less than 3 times per week	This includes yoghurts, sugary cereals, spreads, sauces, soups, biscuits, candy etc between 1-3 times per week.

Column Heading	Description
sugary foods more than three times per week	Sugary foods more than 3 times per week including once per
sugary foods more than 1 per day	Sugary foods at least twice per day. Write 1 if applicable. 1=
Does current toothpaste have correct fluoride concentration? Y/N/Cant check	Did you check their current toothpaste if they had it? Y = checked N= they had it but you did not check the fluoride
Did you discuss fluoride advice? Yes /No/NA	Did you discuss fluoroide concentration? Y or N
One thing you have learnt (Free text)	Reviewing what they learnt from the session - write this exactly the way the patient speaks their answer. Reviewing
Learned - Toothpaste/ Fluoride 1 = Y	i.e. correct amount of toothpaste, fluoride concentration of toothpaste, fluoride varnish etc. Put a 1 in the box if this
Learned - Brushing	i.e. brushing twice a day, for two minutes, spit don't rinse etc. Put a 1 in the box if this applies
Learned - Sugar intake	i.e. to have savoury snacks, eat and drink sweet things with a main meal, eat less sugar, sugar intake, label read etc
Learned - Dentist	i.e. community dentist, visit the dentist, book an
Learned - Nothing	i.e. I did not learn anything new, I knew this already
Learned - Other	i.e. not to dip dummies, take away the bottle by 1, change
One thing you might do differently (free text)	Reviewing what they will do differently from what they have learnt - write this exactly the way the patient speaks their
Different -Toothpaste/ Fluoride	i.e. correct amount of toothpaste, fluoride concentration of toothpaste, fluoride varnish etc. Put a 1 in the box if this
Different -Brushing	i.e. brushing twice a day, for two minutes, spit don't rinse
Different -Sugar intake	i.e. to have savoury snacks, eat and drink sweet things with a main meal, eat less sugar, sugar intake, label read etc
Different -Dentist	i.e. community dentist, visit the dentist, book an
Different - Nothing	i.e. I did not learn anything new, I knew this already
Different - Other	i.e. not to dip dummies, take away the bottle by 1, change
Notes	You could write some significant info i.e. USS, ED or NBM
LSOA code	Go onto the IMD website and put in the postcode, download the excel spreadsheet and paste LSOA code into
Borough	Go onto the IMD website and put in the postcode, download the excel spreadsheet and paste borough into the
Index of Multiple Deprivation Decile	Go onto the IMD website and put in the postcode, download the excel spreadsheet and paste IOMDD code
IDACI Decile	Go onto the IMD website and put in the postcode, download the excel spreadsheet and paste IDACI decile into
Disability	Record if the patient has a disability here - no need to be
How likely are you to make this change? Scale 1-10	If the patient chooses anything less than 10, record this and

Training Survey

Column Heading	Description
Event_ID	Records the number of encounters. Add new encounters.
Date	Date (format 01/01/2021)
Role	Job role (e.g. dental nurse, doctor)
Department	Name of the Department (e.g. Neptune, NICU)
Site - CW/WM	Chelesea and Wenstiinister hospital (CW) or West Middlesex hospital (WM)
One thing you have learnt	Description of one thing you learned during the training (free text)
For me - Toothpaste/Fluoride	Y/N
For me - Brushing	Y/N
For me - Sugar	Y/N
For me - Dentist	Y/N
For me - General oral care	Y/N
For me - Nothing	Y/N
For me - Other	Y/N
Others - Toothpaste/Fluoride	Y/N
Others - Brushing	Y/N
Others - Sugar	Y/N
Others - Dentist	Y/N
Other - General	Y/N
Others - Special OH	Y/N
Others - Other	Y/N
One thing you might do differently	Description of one thing you might do differently following the training (free text)
For me - Toothpaste/Fluoride	Y/N
For me - Brushing	Y/N
For me - Sugar	Y/N
For me - Dentist	Y/N
For me - General oral care	Y/N
For me - Nothing	Y/N
For me - Other	Y/N
Others - Toothpaste/Fluoride	Y/N
Others - Brushing	Y/N
Others - Sugar	Y/N
Others - Dentist	Y/N
Other - General	Y/N
Others - Special OH	Y/N
Others - Nothing	Y/N
Others - Signposting	Y/N
Others - Other	Y/N

Plan-Do-Study-Act (PDSA) CYCLES

	Plan	Do	Study	Act	Time
Baseline PDSA	Baseline data collection to understand current state of oral health activities (prediction- we will gain key information about oral health metrics at the hospital to inform future measurement).	A baseline survey was conducted between the 16th of November 2019 involving 101 children at the hospital (inpatient and outpatient) and their parents.	Key findings: 61% of children were from ethnic minority groups and 72% live in the most deprived areas. Most parents reported that they didn't see any health messaging information in the hospital relating to brushing teeth, healthier eating or physical activity (55% not seeing posters, videos or leaflets and 66% not getting advice or information) and 1 in 2 of children reported either eating sugary foods (22%), drinking sugary drinks (9%) or having both (18%) every day.	Results highlighted the opportunity for the programme to impact positive health behaviours among certain marginalised and minority groups (e.g., BAME groups; pre-schoolers; children living in areas of high child poverty; siblings). It also identified an opportunity for improving the quality of health messaging within the hospital.	2 weeks
PDSA 1	Introduce the supervised toothbrushing (STB) to assess design and feasibility of delivery.	Implemented STB in 4 children's wards (Live on 18/11/19).	KPI 2 - increased in the first 2 weeks (19/11/2019 - 1/12/2019) and then dropped due to a reduction in the paediatric ward activity, staff holidays (missing data). The reduction over the following weeks compared to the start of the intervention due to only by a part-time OHC, while before there was a public health fellow.	Refinement: consider support and resources for holiday periods to support the OHC to support the implementation of the OHP and achieve the overall aims.	6 weeks
PDSA 2	Use demographic data from bedside survey to assess the potential impact on inequalities (prediction - improve picture of needs and potential impact on inequalities).	(ii) start collecting demographic data of patients seen for STB (Live on 18/11/19).	It was noticed that postcode data of children seen for STB and data on consumables distributed during STB were only being partially collected by staff, hindering the analysis of needs and potential impact on inequalities.	Refinement: improve postcode data collection for children seen for STB, and collect consumable data.	6 weeks
PDSA 2a	(i) Collect complete postcode data, (ii) collect consumable data to see where patients who had consumables were residing and to know if we were giving them to the children who needed them the most (prediction - availability of postcode and consumable data; have a picture of needs and potential impact on inequalities).	(i) Debriefed staff on the need to collect full postcodes and the rationale for this; (ii) Add information on postcodes and consumables in the pro forma (paper sheet filled at the bedside with the patient) (30/12/2019).	Postcode data showing the deprivation level of children receiving STB and consumable data available. Use of this information to understand service users' needs better and as evidence of the programme's potential to address inequalities.	Worthwhile improvement: retained as a permanent change.	ongoing

PDSA 3	Begin staff training on oral health to assess training suitability and improvement needs (prediction-increase KPI 3).	Staff in-person training conducted on 22/12/2019.	15 staff members attend the training (increase of KPI 3 from baseline of 0 staff trained) Feedback indicated that session could be made more specific professional groups (e.g. maternity). Emailed evaluation form did not receive many responses.	Refinement: Training materials updated to specific professional groups (e.g. maternity staff). Decision to change evaluation form to be delivery within sessions instead of email post session.	8 weeks
PDSA 4	Begin Health promotion activities HPA including distribution of health promotion materials (prediction-increase KPI 1).	Posters put up on wards, videos go live, and leaflets given to wards and patients (live from 16/12/2019).	Materials anecdotally well received by staff and patients. Number of materials distributed not monitored at this time. No formal mechanism in place to monitor KPI1.	Consider how best to collect KPI 1 data. Decision made to add a question regarding HPA to the bedside survey.	10 weeks
PDSA 4a	Data on HPAs needed to assess KPI 1 (prediction increase of KPI1).	Questions regarding proportion of patients and carers seeing health promotion materials at the Trust added to bedside survey (live 6/09/2020).	Question works well within the survey and is a simple addition for OHC to administer. KPI 1 now monitored for progress overtime.	Worthwhile change: continue to monitor.	ongoing
PDSA 5	(i) Stop the delivery of STB and staff training to cope with the Covid 19 pandemic. (ii) deliver alternative forms of health promotion activities compatible with the limited access to wards (prediction – reduction in all KPIs).	(i) Supervised tooth-brushing and staff training sessions were suspended from April 2020. (ii) Health promotion material was removed from the ward but continued to be delivered in discharge packs but with limited ability of the team to monitor or assess this distribution. (Live on: 16th March 2020).	(i) No data was collected for all KPIs. (ii) Staff feedback on the need to give ward managers responsibility for oral health resources (discharge packs). This would support the continuation of this intervention without the oral health coordinator (OHC) and embed intervention within each ward.	Start the three interventions again when the Covid risk is minimised. Develop a process for ward staff to access discharge information and packs independently.	21 weeks
PDSA 6	Resume staff training (prediction – increase in KPI 3).	Staff training resumed online only. Courses offered everyday (Resumed on 26/08/20).	KPI 3- was improved substantially compared to the pre-pandemic. System flaws were identified in booking system (e.g., system not available to all staff, not able to reach the appropriate clinical staff). Feedback from staff identified that the best way to advertise to clinical staff was through the staff bulletin and they would like a formal recognition for course attendance.	Refinement: adapt process in booking training sessions, advertisement and accreditation.	ongoing

PDSA 6a	Refine booking system for training, CPD accreditation and advertisement (prediction- greater attendance and targeted clinicians will attend the training session, KPI 3 sustained).	Refined the process for booking via Eventbrite. The training session was CPD accredited, and the sessions were advertised within the trust bulletin. (01/10/2020).	Attendance data show that the sessions have been attended by a more targeted group of clinicians. KPI 3- increase in the week following the introduction of the intervention.	Changes were successful with plans to continue to use the booking system and bulletin as needed. Worthwhile improvement. Retain as permanent change	ongoing
PDSA 7	Resume STB in Covid free areas (only 1 ward) (Prediction-KPI 2 equal or less than before the pandemic).	Supervised toothbrushing resumed on a single Covid free children's ward (live on 10/08/2020).	KPI 2 - activities during the first 4 weeks was less than before the pandemic because now STB in only in one ward. Staff reported that the schedule of STB didn't fit well with the ward activity. Parents were very receptive to the intervention and communicated that the service was much needed due to the lack of availability of NHS dentists during the pandemic. Parents also reported that there was a lot of information given throughout the STB, and they would like a summary of the key points.	Refinement: adapt the STB schedule, design, and provide summary documents to parents in future STB sessions.	ongoing
PDSA 7a	Update health promotion material and bedside proforma to include information for children aged less than 12 months (prediction – improve the information available for parents with children < 12 months, increase KPI 2).	A prompt was added to the proforma to highlight the importance in telling parents that from 6 months, brushing twice a day was required. Weening leaflets were provided to support parents in understanding the impact of sugar in diets (live from 11/09/20).	Parent feedback stated <i>"I learnt a lot, there was so much stuff I didn't know. I recently moved from Doha, I didn't know my son needs to see a dentist/ when he should start brushing his teeth. I also did not know about the hidden sugars in yogurts."</i> - mother of a 10 month old baby. KPI 2 was increased compared to the previous week	Worthwhile improvement: retained as a permanent change.	ongoing
PDSA 7b	Consolidate a new schedule for STB (prediction – increase in KPI 2, this would be more effective and satisfactory for staff).	New schedule introduced (supervised toothbrushing at 10 am after ward rounds) has been implemented (Live on 03/05/2021).	KPI 2 - increased. Staff reported this was more conducive to their work schedules and were more likely to support visits. The OHC reported that every day they were wasting time waiting for the nurse in charge to find some time to go through the patient list and identify patients eligible for STBs.	Worthwhile improvement: new schedule retained as a permanent change. Refinement: introduce a system to streamline the identification process of patients eligible for STB.	ongoing
PDSA 7c	Introduce a 'dot system' on the inpatient board to alert the OHC of patients suitable for STB. This involved the NIC putting a dot on the bed board next to the patient's	Introduction of the new system to identify patients suitable for STB (live on: 19th July 2021).	KPI- 2 – not increased. OHC reported that the 'dot system' system did not work due to the lack of complete medical history information for patients on the board. The	Change not worthwhile. Revert to manual identification of patients and improve staff awareness of eligibility criteria.	3 weeks

	name. (Prediction: increase KPI 3, minimise disruption).		need to clarify eligibility criteria for staff was identified.		
PDSA 7d	(i) Go back to manual identification of patients with clear eligibility criteria; (ii) increase staff awareness of eligibility criteria for STB (Prediction: increase KPI 2).	(i) Eligible patients identified manually; (ii) staff encouraged to consider the oral health of each patient upon admission and report their concerns to the OHC. (live on: 9th August 2021).	KPI 2 - began to increase in the following weeks.	Worthwhile improvement: retained as a permanent change.	ongoing
PDSA 8	Reintroduce health promotion materials to wards (prediction – increase in KPI 1).	(ii) promotional material displayed in the outpatient ward (live on: 7/9/2020) and then in the inpatient area (live on: 5/11/2020)	KPI 1 - increased during the introduction of promotional material in the inpatient area.	Worthwhile improvement: retained as a permanent change.	ongoing
PDSA 9	Put new posters into bed spaces as many removed during the Covid 19-second wave (prediction - improve KPI 1).	40 new posters (4 per bedspace) were put onto the ward (live from 8/6/2021)	KPI 1 increased and a shift in mean was recording from this period.	Worthwhile improvement: retained as a permanent change.	ongoing

RESULTS

(i) HEALTH PROMOTION ACTIVITIES

KPI 1: Proportion of children/ families that reported seeing promotional material at the Trust

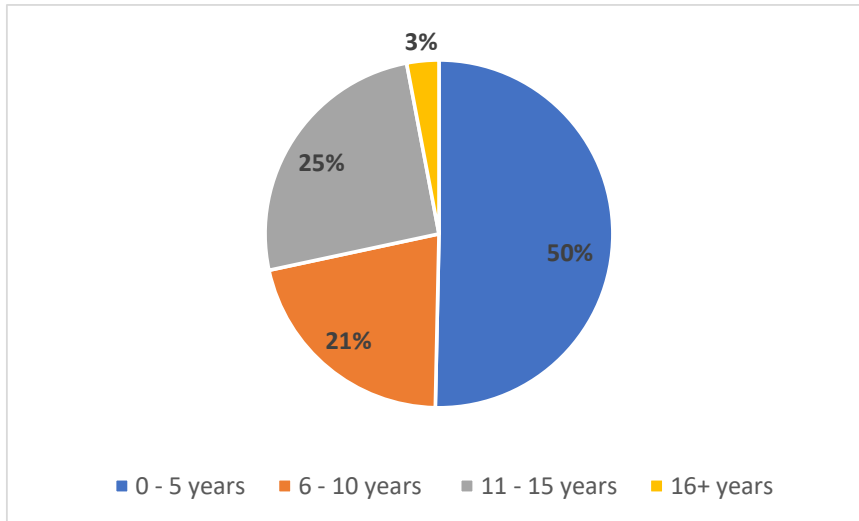
Time	Number of people surveyed	Number of people stating that they have seen promotional material	% people that have seen promotional material
13/09/2020	10	2	20%
20/09/2020	16	1	6%
27/09/2020	15	7	47%
04/10/2020	12	3	25%
11/10/2020	12	5	42%
18/10/2020	12	2	17%
25/10/2020	19	8	42%
01/11/2020	18	1	6%
08/11/2020	7	1	14%
15/11/2020	12	4	33%
22/11/2020	10	6	60%
29/11/2020	10	3	30%
06/12/2020	10	4	40%
13/12/2020	11	5	45%
20/12/2020	8	5	63%
27/12/2020	7	5	71%
03/01/2021			
10/01/2021	2		0%
17/01/2021	12	2	17%
24/01/2021	11	5	45%
31/01/2021	9	4	44%
07/02/2021	7	2	29%
14/02/2021	6	3	50%
21/02/2021	9	4	44%
28/02/2021	14	7	50%
07/03/2021	14	4	29%
14/03/2021	18	9	50%
21/03/2021	17	5	29%
28/03/2021			
04/04/2021	13	2	15%
11/04/2021			
18/04/2021			
25/04/2021	14	3	21%
02/05/2021	6	2	33%
09/05/2021	17	5	29%
16/05/2021	12	3	25%
23/05/2021	19	10	53%
30/05/2021	12	5	42%
06/06/2021	13		0%
13/06/2021	13	6	46%
20/06/2021	19	14	74%
27/06/2021	15	10	67%
04/07/2021	14	10	71%
11/07/2021	14	9	64%
18/07/2021	14	7	50%
25/07/2021	12	9	75%
01/08/2021			
08/08/2021	12	8	67%
15/08/2021	15	12	80%
22/08/2021	14	6	43%
29/08/2021	9	5	56%

(ii) SUPERVISED THOOTHBRUSHING (STB)**KPI 2: Number of children receiving supervised toothbrushing (STB)**

Time	Number of people receiving STB
24/11/2019	16
01/12/2019	26
08/12/2019	14
15/12/2019	6
22/12/2019	
29/12/2019	
05/01/2020	1
12/01/2020	8
19/01/2020	10
26/01/2020	6
02/02/2020	12
09/02/2020	8
16/02/2020	13
23/02/2020	7
01/03/2020	16
08/03/2020	7
15/03/2020	8
22/03/2020	
29/03/2020	
05/04/2020	
12/04/2020	
19/04/2020	
26/04/2020	
03/05/2020	
10/05/2020	
17/05/2020	
24/05/2020	
31/05/2020	
07/06/2020	
14/06/2020	
21/06/2020	
28/06/2020	
05/07/2020	
12/07/2020	
19/07/2020	
26/07/2020	
02/08/2020	
09/08/2020	
16/08/2020	8
23/08/2020	5
30/08/2020	
06/09/2020	3
13/09/2020	7
20/09/2020	16
27/09/2020	15
04/10/2020	12
11/10/2020	12
18/10/2020	12
25/10/2020	19
01/11/2020	18
08/11/2020	7

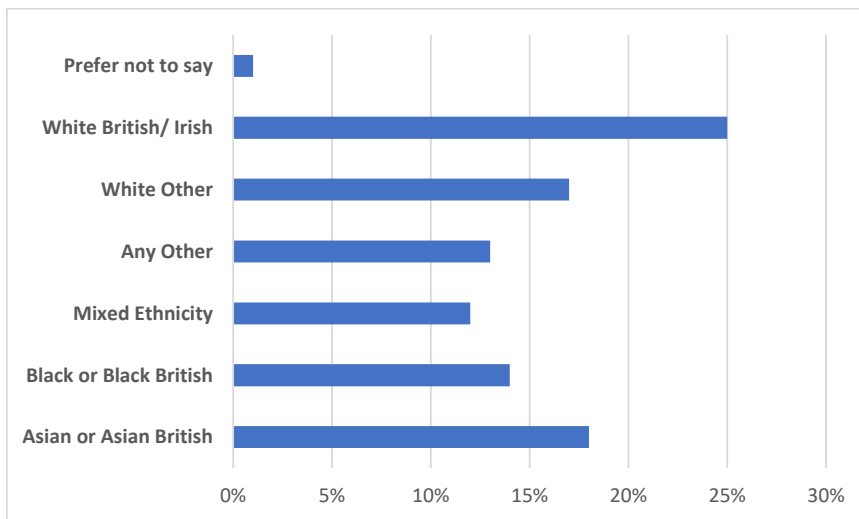
Time	Number of people receiving STB
15/11/2020	12
22/11/2020	11
29/11/2020	10
06/12/2020	10
13/12/2020	11
20/12/2020	8
27/12/2020	7
03/01/2021	
10/01/2021	2
17/01/2021	12
24/01/2021	11
31/01/2021	9
07/02/2021	7
14/02/2021	6
21/02/2021	9
28/02/2021	14
07/03/2021	14
14/03/2021	18
21/03/2021	17
28/03/2021	
04/04/2021	13
11/04/2021	
18/04/2021	
25/04/2021	14
02/05/2021	6
09/05/2021	17
16/05/2021	12
23/05/2021	19
30/05/2021	12
06/06/2021	13
13/06/2021	13
20/06/2021	19
27/06/2021	15
04/07/2021	14
11/07/2021	14
18/07/2021	14
25/07/2021	12
01/08/2021	
08/08/2021	12
15/08/2021	15
22/08/2021	14
29/08/2021	9

Age of children participating in STB



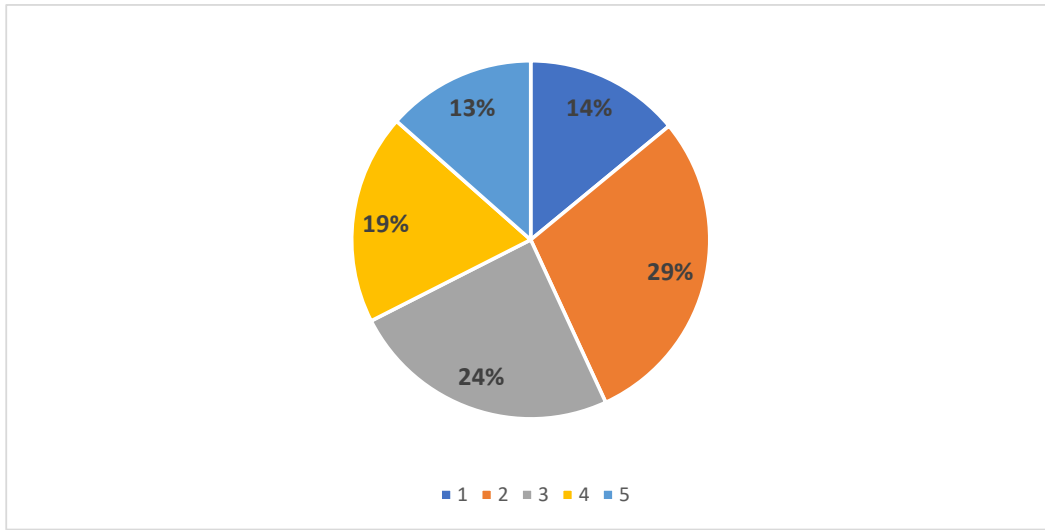
0 - 5 years	6 - 10 years	11 - 15 years	16+ years
50%	21%	25%	3%
371	157	187	22

Ethnicity of children participating in STB



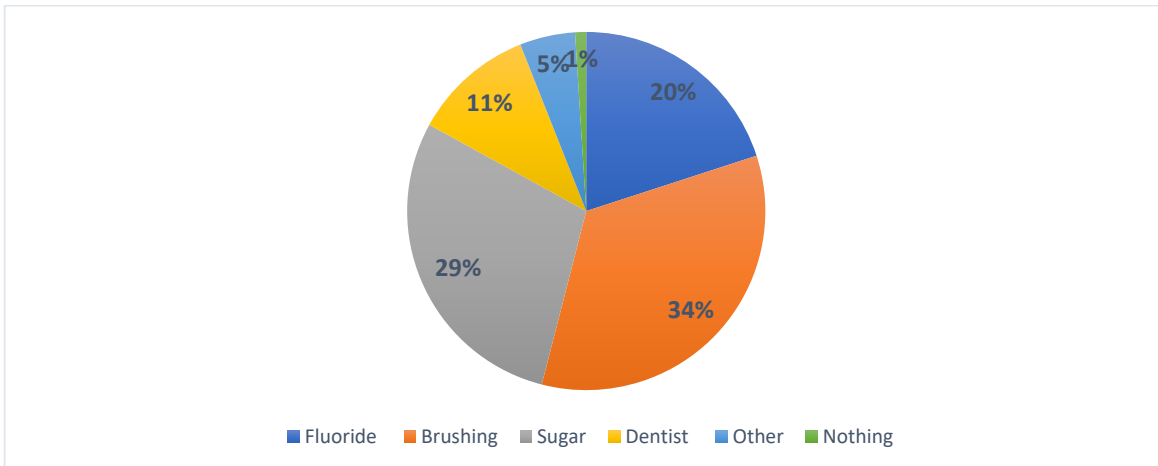
Asian or Asian British	Black or Black British	Mixed Ethnicity	Any Other	White Other	White British/ Irish	Prefer not to say
18%	14%	12%	13%	17%	25%	1%
134	103	88	94	127	183	8

IDACI Quintiles



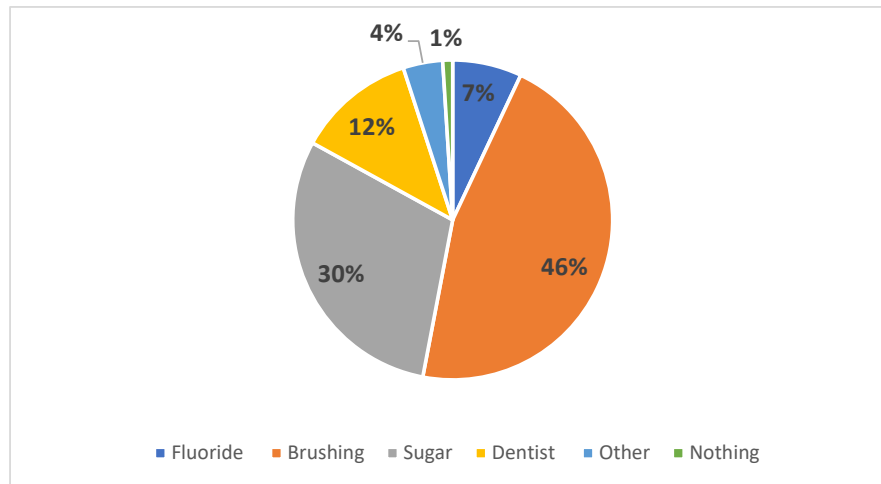
1	2	3	4	5
14%	29%	24%	19%	13%
99	205	172	134	95

Themes of learning reported by patients/ families



Fluoride	Brushing	Sugar	Dentist	Other	Nothing
20%	34%	29%	11%	5%	1%
168	280	236	91	45	4

Themes of commitment to change reported by patients/ families



Fluoride	Brushing	Sugar	Dentist	Other	Nothing
7%	46%	30%	12%	4%	1%
58	374	243	100	36	6

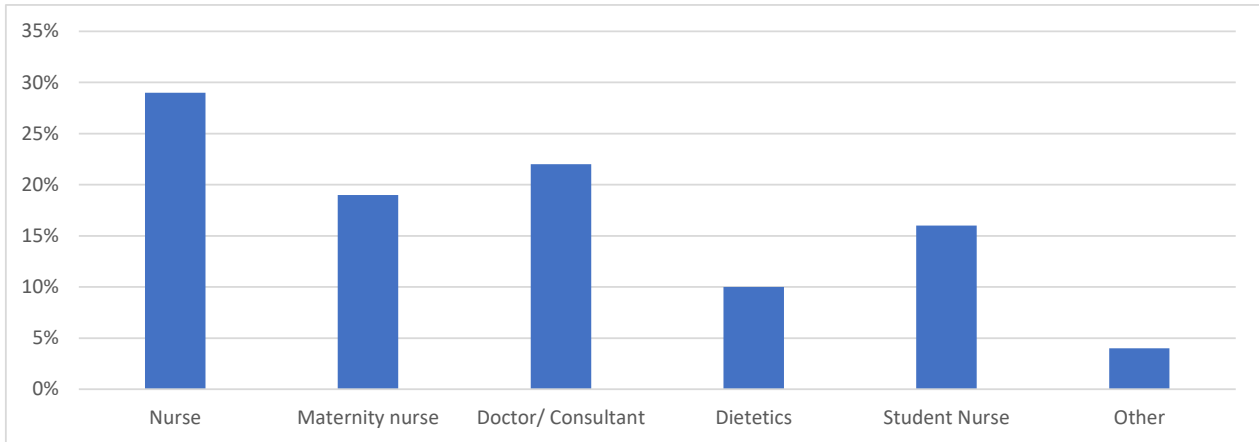
(iii) TRAINING

KPI 3: Number of people attending the training session

Time	Number of people trained
24/11/2019	
01/12/2019	
08/12/2019	
15/12/2019	
22/12/2019	15
29/12/2019	
05/01/2020	
12/01/2020	
19/01/2020	
26/01/2020	
02/02/2020	
09/02/2020	
16/02/2020	
23/02/2020	
01/03/2020	
08/03/2020	
15/03/2020	
22/03/2020	
29/03/2020	
05/04/2020	
12/04/2020	
19/04/2020	
26/04/2020	
03/05/2020	
10/05/2020	
17/05/2020	
24/05/2020	
31/05/2020	
07/06/2020	
14/06/2020	
21/06/2020	
28/06/2020	
05/07/2020	
12/07/2020	
19/07/2020	
26/07/2020	
02/08/2020	
09/08/2020	
16/08/2020	
23/08/2020	
30/08/2020	9
06/09/2020	7
13/09/2020	
20/09/2020	
27/09/2020	4
04/10/2020	2
11/10/2020	12
18/10/2020	
25/10/2020	4
01/11/2020	
08/11/2020	2

Time	Number of people trained
15/11/2020	1
22/11/2020	
29/11/2020	6
06/12/2020	1
13/12/2020	
20/12/2020	1
27/12/2020	
03/01/2021	
10/01/2021	
17/01/2021	
24/01/2021	
31/01/2021	
07/02/2021	
14/02/2021	
21/02/2021	
28/02/2021	
07/03/2021	
14/03/2021	
21/03/2021	
28/03/2021	
04/04/2021	
11/04/2021	
18/04/2021	
25/04/2021	
02/05/2021	3
09/05/2021	1
16/05/2021	
23/05/2021	
30/05/2021	3
06/06/2021	
13/06/2021	
20/06/2021	
27/06/2021	
04/07/2021	1
11/07/2021	1
18/07/2021	
25/07/2021	
01/08/2021	
08/08/2021	
15/08/2021	
22/08/2021	
29/08/2021	

Role of Staff attending training



Nurse	Maternity nurse	Doctor/ Consultant	Dietetics	Student Nurse	Other
29%	19%	22%	10%	16%	4%
21	14	16	7	12	3

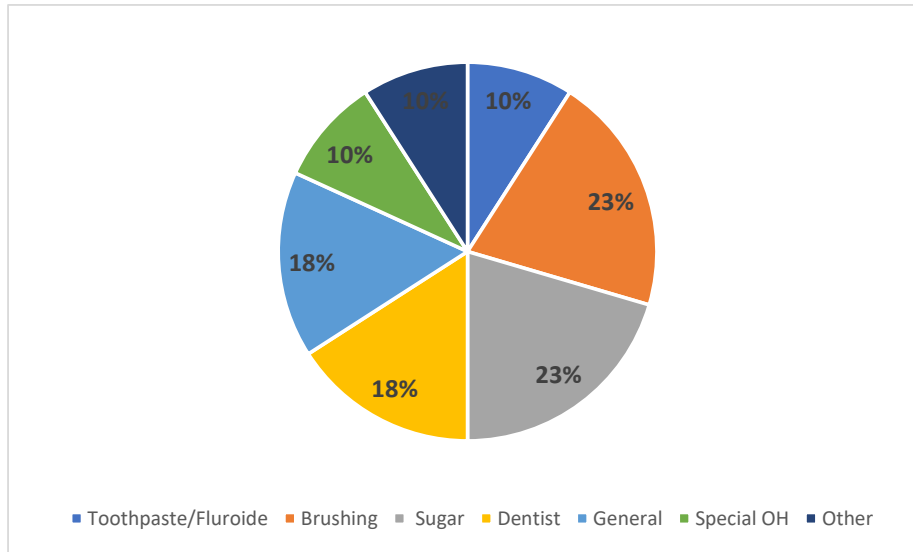
Staff Learning



I learn't something new for my patients	I learnt something new for myself	I learnt something new for my patients and myself
19%	3%	78%
6	1	25

Themes of learning reported by staff

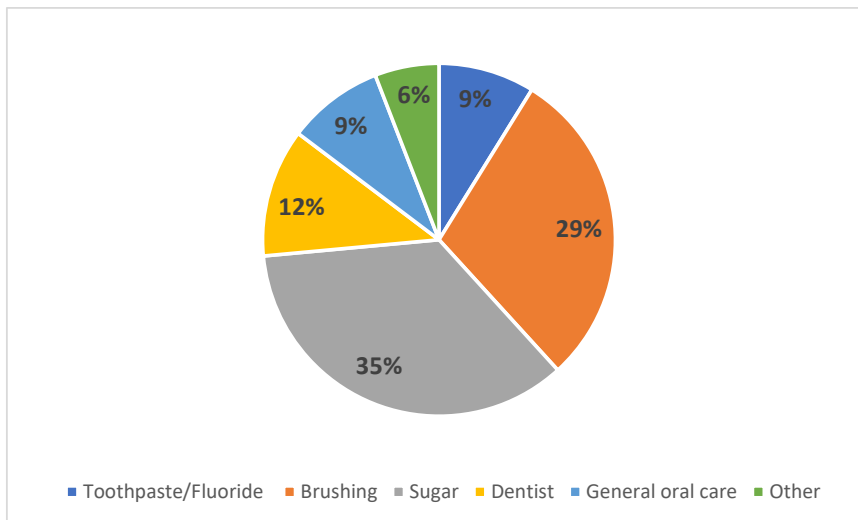
Learning for their patients



Toothpaste /Fluoride	Brushing	Sugar	Dentist	General	Special OH*	Other
10%	23%	23%	18%	18%	10%	10%
4	9	9	7	7	4	4

(*) Offering special oral health advice for specific groups of patients (e.g., for children with additional needs, such as unsafe swallow or autism)

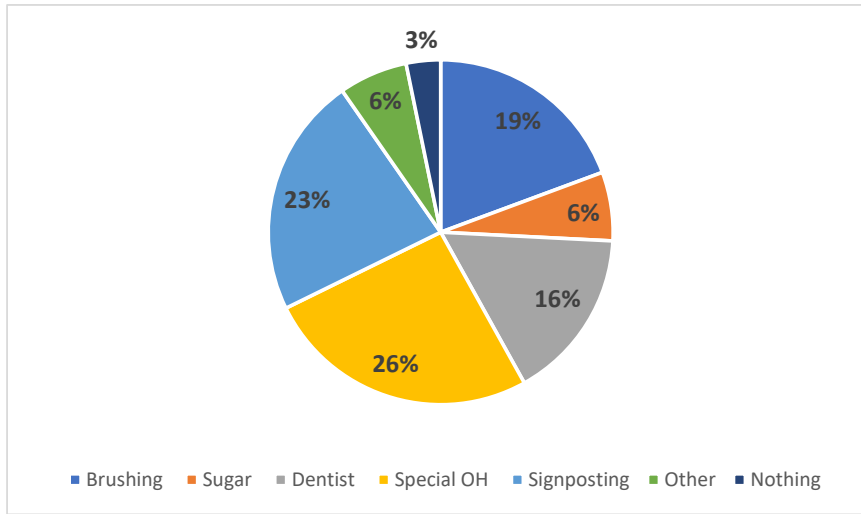
Learning for themselves and/or their family



Toothpaste/Fluoride	Brushing	Sugar	Dentist	General oral care	Other
9%	29%	35%	12%	9%	6%
3	10	12	4	3	2

Themes of commitment to change reported by staff

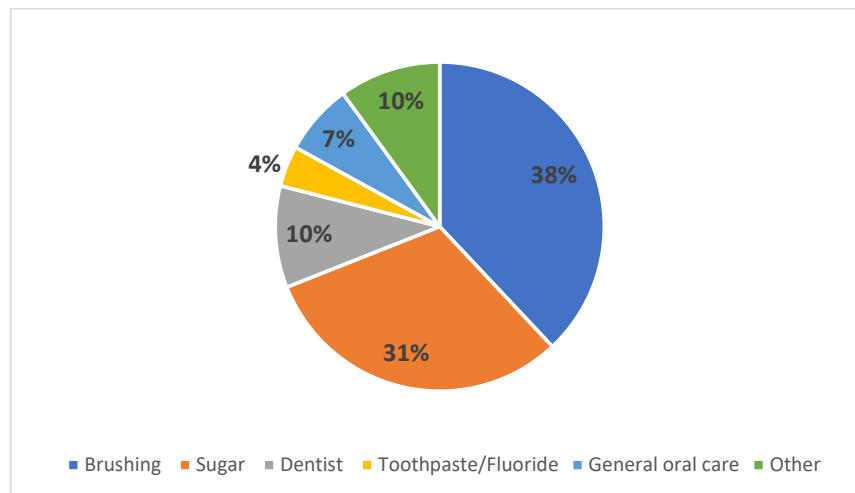
Commitment to change for their patients



Brushing	Sugar	Dentist	Special OH*	Signposting	Other	Nothing
19%	6%	16%	26%	23%	6%	3%
6	2	5	8	7	2	1

(*) Offering special oral health advice for specific groups of patients (e.g., for children with additional needs, such as unsafe swallow or autism)

Commitment to change for themselves and/or their family



Brushing	Sugar	Dentist	Toothpaste /Fluoride	General oral care	Other
38%	31%	10%	4%	7%	10%
12	9	3	1	2	3