

Appendix 4 - Data regarding the impact of age, gender, years of practice, and kind of practice on the responses

		AGE (n/%)				P	GENDER (n/%)			P	YEARS OF PRACTICE (n/%)				P	KIND OF PRACTICE (n/%)									
		20-30	31-40	41-50	51-over		Male	Female	0-10		11-20	21-30	31-over	General practitioner		Specialist	Private	Public	Private and public	Solo	Group practice	University member			
Q1	Yes	70.1	67.5	63.5	69.8	0.394	71.0	65.1	0.06	72.2	65	64.5	63.8	0.13	60.6	79.3	0.001	63.1	81.1	80	0.001	54	73.6	84.5	0.001
	No	29.9	34.3	36.5	30.2		29.0	34.9		27.8	35	35.5	36.2		39.4	20.7		36.9	18.9	20		46.0	26.4	15.5	
Q2	I read them in dental journals	25.9	30.7	29.7	33.7	0.418	33.6	23.8	0.86	28.1	32.1	30.9	33.9	0.606	30	31.5	0.658	28.9	38.5	30	0.102	27.1	33.1	34.5	0.154
	I read them on web sites of specialization organizations	23.8	19.7	17.8	14.3	0.108	21.7	16.7	0.55	24.4	18.8	14.5	11.8	0.004	18.4	18.4	0.980	17.9	23	20	0.393	11.2	23.2	27	0.000
	I use search engines to find them.	17.7	11.7	14.6	8.5	0.38	14.3	10.8	0.115	15.4	13.2	10.9	6.3	0.54	11.3	14.4	0.173	11.2	14.8	18.9	0.080	5.9	12.6	26.4	0.000
	My National Dental Organization sends me information about them.	19	15.7	16.9	26.4	0.11	22.6	16.8	0.029	17.6	17.5	23.2	20.5	0.345	20.1	18.4	0.526	20.9	4.1	27.8	0.000	21	22.9	9.8	0.003
	I learn about them from the continuing education courses which I attend	32	31.4	23.7	27.5	0.209	30.2	27	0.287	30.9	29.9	25.9	22.8	0.279	26.8	30.2	0.287	27.9	30.3	27.8	0.853	19.4	32.8	40.8	0.000
I learned about them from my Undergraduate dental education	25.9	9.9	7.3	4.7	0.000	9.8	10.8	0.606	17.9	7.7	4.5	5.5	0.000	13.5	4.6	0.000	11.5	4.9	8.9	0.081	7.2	15.5	6.3	0.001	
Other	2.7	1.1	2.7	2.3	0.588	2.6	1.2	0.131	1.9	1.3	2.3	2.4	0.791	1.5	2.6	0.260	1.5	4.1	3.3	0.076	2.1	1.5	2.9	0.745	
Q3	Yes	62.5	56.9	58	60.9	0.34	62.9	57.6	0.275	63.3	58.5	57.3	55.9	0.179	54.8	68.9	0.001	56.5	68.9	70	0.019	47.9	68.3	69	0.001
	No	17	21.9	26.5	20.9		20.2	23.1		17.3	23.9	26.4	21.3		22.9	19.4		23.1	18.9	16.7		27.8	13.8	24.7	
	No idea	20.4	21.2	15.5	18.2		16.9	19.3		19.4	17.5	16.4	22.8		22.4	11.7		20.5	12.3	13.3		24.3	17.9	6.3	

Q4	Always	25	25	22.8	33.8	0.48	24.2	31.4	0.177	28.3	24.1	28.6	33.8	0.62	22.7	35.2	0.001	24.4	40.5	31.7	0.038	33.7	24.5	25.8	0.042
	Frequently	58.7	57.1	64.6	53.5		60.2	55.2		58	56.9	61.1	52.1		63.2	49.8		61.4	42.9	55.6		51.9	63.9	52.5	
	Sometimes	13	13.5	8.7	11.5		11.7	11.2		11.7	13.1	8.7	11.3		12.1	9.9		11.3	11.9	11.1		11.6	9.4	15.8	
	Rare	3.3	3.8	3.9	1.3		3.8	1.8		2.0	5.1	1.6	2.8		1.9	4.7		2.8	3.6	1.6		2.8	1.7	5.8	
	Very rare	0	0.6	0	0		0	0.4		0	0.7	0	0		0	0.5		0	1.2	0		0	0.4	0	
Q5	Yes	83	74.8	74.4	80.2	0.102	80.0	76.7	0.141	75.9	77.4	81.4	77.2	0.203	79	75.1	0.265	74.9	89.3	83.3	0.004	73	82.4	79.3	0.042
	No	1.4	1.5	3.2	3.5		3.1	1.9		1.5	1.7	3.6	3.9		1.9	3.2		2.9	0	2.2		2.6	2.3	2.3	
	No idea	15.6	23.7	22.4	16.3		16.9	21.4		22.5	20.9	15	18.9		19.1	21.7		22.2	10.7	14.4		24.3	15.2	18.4	
Q6	They can improve the accuracy of diagnosis.	10.9	14.2	20.5	36.8	0.000	24	20.6	0.212	15.4	16.7	27.3	39.4	0.000	18.9	28.2	0.002	21.9	23	21.1	0.947	23.4	20.8	24.7	0.619
	They can improve the clinical treatment plan.	28.6	33.2	38.4	41.1	0.049	39	33.5	0.82	33.6	31.2	40.5	42.5	0.061	29.9	47.9	0.000	32.7	49.2	41.1	0.001	33.5	32.6	50.6	0.000
	They can decrease the time necessary for the diagnostic process.	8.2	7.7	18.3	16.7	0.000	13.8	12.5	0.553	9.6	9.4	17.7	18.9	0.002	10.1	18.7	0.000	12.9	18.9	5.6	0.017	12.5	10.3	19	0.043
	They can decrease treatment complications.	24.5	19.3	26.9	30.2	0.031	28.1	23.1	0.084	24.7	22.2	27.3	28.3	0.510	19.8	35.1	0.000	24.4	35.2	17.8	0.009	23.4	23.8	31.6	0.013
	They can improve the outcome of treatment.	25.2	28.1	25.1	33.3	0.171	35	23.7	0.000	25.9	29.9	28.6	33.1	0.462	24.6	37.4	0.000	25.1	41.8	37.8	0.000	25.8	29.6	36.8	0.051
	Other	2	2.2	2.3	1.6	0.939	2.6	1.5	0.213	2.2	0.9	3.6	0.8	0.159	1.2	3.3	0.031	1.9	2.5	2.2	0.767	1.3	2.9	1.7	0.362

Q7	Dentists	39.5	40.5	52.1	57.4	0.000	50.2	47	0.330	41.7	44.4	57.3	58.3	0.000	39.6	65.6	0.000	45.4	73.8	28.9	0.000	49.5	44.9	57.5	0.026
	Patients	46.3	51.8	43.8	48.1	0.347	56.7	40.7	0.000	47.2	53.4	47.3	40.9	0.144	44.4	55.4	0.002	48.6	46.7	44.4	0.726	41.2	51.3	56.9	0.001
	Public	8.2	9.5	15.5	14.7	0.048	11.7	12.9	0.577	12	9.4	10.5	21.3	0.007	10.2	16.1	0.013	11.9	11.5	14.4	0.765	14.6	7.3	17.8	0.002
	Dental profession	15	16.1	18.3	24.8	0.031	21.7	16.8	0.066	15.1	16.7	28.6	15	0.000	17.6	21.6	0.150	16.1	24.6	33.3	0.000	17	19.4	23	0.011
	Other	0.7	1.1	2.3	2.3	0.377	2.6	1	0.073	0.9	0.4	1.6	1.6	0.011	1.4	1.7	0.410	1.5	2.5	3.3	0.212	2.1	2.1	0.6	0.477
Q8	Yes	44.6	32.7	35.5	32	0.076	35.3	36.6	0.821	41.4	34.2	37.1	20.5	0.003	34.9	36.6	0.024	34.4	42.5	34.9	0.413	30.1	44.2	31.3	0.001
	No	28.8	30.7	32.5	27.5		29.2	29.9		30.2	28.8	26.3	35.9		27.3	34.2		29.8	28.3	33.7		27.8	26.8	39.8	
	No idea	26.6	36.7	32	40.6		35.5	33.5		28.5	37	36.6	43.6		37.8	29.2		35.8	29.2	31.4		42	29	28.9	
Q9	Lack of time	12.9	13.1	13.7	12.4	0.981	11	15.6	0.042	13.9	13.7	14.5	9.4	0.564	8.2	22.6	0.000	10.4	31.1	11.1	0.000	10.6	15.5	16.1	0.138
	Lack of awareness on clinical guidelines	23.8	29.9	29.7	31	0.463	29.3	28.9	0.898	25.9	26.9	30.5	38.6	0.049	24.4	37	0.000	25.3	49.2	28.9	0.000	27.9	25.5	39.1	0.001
	Lack of practical ways to reach to clinical guidelines	15	11.7	11.9	7.4	0.105	11.4	10.4	0.619	13.3	11.5	9.1	7.1	0.203	9.7	12.5	0.210	8.4	26.2	11.1	0.000	9.6	11.7	14.4	0.382
	Limited guidelines available in the dental field	8.8	10.2	12.8	9.3	0.558	11.4	9.4	0.308	9.9	12	8.6	11	0.682	6.3	16.7	0.000	8.6	19.7	8.9	0.001	5.9	10.3	20.7	0.000
	Lack of evidence-based clinical guidelines for dental care	6.8	8	7.8	7.4	0.972	7.1	8.1	0.587	7.4	9.4	6.8	7.1	0.731	6.7	9.5	0.128	5.5	13.1	13.3	0.001	7.4	5.9	12.6	0.054
	Clinical guidelines being perceived as restricting the 'clinical freedom of dentists'	3.4	5.5	5.9	5.4	0.738	6.7	4	0.067	5.6	2.6	6.8	6.3	0.182	3.1	9.2	0.000	4.2	8.2	8.9	0.048	4.3	3.8	10.3	0.010
	Lack of consensus/agreement regarding certain aspects of the available guidelines	2	5.1	4.6	3.1	0.373	6	2.5	0.009	4.6	3.4	4.1	3.1	0.853	3.2	5.9	0.059	3.3	7.4	6.7	0.059	3.2	5	4.6	0.650
	Limited knowledge regarding the reliability of the methods used for developing guidelines	4.8	1.1	3.2	5	0.057	2.9	4	0.369	3.4	1.7	4.5	4.7	0.312	2.6	5.2	0.038	2.6	6.6	3.3	0.076	2.9	2.9	6.3	0.192
	Limited knowledge regarding the reliability of the guideline development group/body	2.7	2.2	4.1	2.3	0.576	3.8	2.1	0.122	2.2	3.8	2.3	3.9	0.535	2.7	3.3	0.645	2.9	3.3	1.1	0.639	2.4	4.1	1.7	0.391

	Lack of confidence regarding competing interests of guideline development group members	2	2.2	1.8	4.7	0.193	2.9	2.9	0.962	1.9	2.1	4.5	3.9	0.223	2.4	3.6	0.296	2.3	4.9	5.6	0.080	4	2.6	1.7	0.488
	Limited knowledge regarding the regular update of the guidelines when new evidence becomes available	6.1	5.5	7.8	5.4	0.696	7.6	4.8	0.076	6.2	6.4	6.8	3.9	0.734	6	6.6	0.731	6.1	7.4	6.1	0.678	6.1	7	5.2	0.838
	Lack of specific and unambiguous recommendations in the guideline	4.1	1.8	3.2	6.6	0.038	5.2	3.3	0.154	4	0.9	6.3	6.3	0.013	3.4	5.6	0.125	3.3	10.7	2.2	0.001	4	4.4	4	0.982
	Other	0.7	0	1.4	1.6	0.152	0.7	1	0.730	0.3	0	1.8	2.4	0.018	0.5	1.6	0.131	1	0	1.1	0.681	1.3	0.9	0	0.496
Q10	Yes	46.9	46.7	55.3	65.1		61.4	48.2		46.9	51.7	61.4	63		47.6	66.3		51.1	58.2	71.1		51.6	46.9	73.6	
	No	2.7	6.9	7.3	2.7	0.001	5.7	4.4	0.001	6.5	6.4	1.8	4.7	0.002	4.8	5.8	0.001	6	2.5	2.2	0.004	2.4	5.3	10.3	0.001
	No idea	50.3	46.4	37.4	32.2		32.9	47.4		46.6	41.9	36.8	32.3		47.6	27.8		43	39.3	26.7		46	47.8	16.1	
Q11	Creating a general awareness on clinical guidelines	24.5	24.5	32	38.8	0.001	33.8	27.2	0.032	26.2	29.1	33.6	36.2	0.113	22.9	44.3	0.000	26.9	41	37.8	0.002	28.7	27.6	42	0.004
	Developing evidence-based clinical guidelines	20.4	21.2	19.6	24.8	0.531	24.5	19.3	0.060	18.2	23.1	22.7	25.2	0.303	19.5	25.2	0.046	19.3	29.5	27.8	0.013	18.6	21.1	29.7	0.002
	Developing various evidence based-clinical decision support systems including clinical guidelines	14.3	14.6	19.2	17.8	0.441	21.9	12.1	0.000	14.2	14.1	20	20.5	0.130	16.2	17	0.749	16.7	9.8	25.6	0.010	17.8	12	21.8	0.000
	Informing dentists about available clinical guidelines	25.2	28.1	21	26.4	0.332	31	20.4	0.000	25	26.5	23.6	26.8	0.883	20.5	33.1	0.000	23.2	35.2	24.4	0.018	19.7	23.5	40.2	0.000
	Informing dentists about updated clinical guidelines	24.5	23.4	21.9	31	0.096	30	21.4	0.003	23.1	21.8	33.2	23.6	0.021	21.3	32.5	0.000	23.1	29.5	34.4	0.030	20.2	27.3	32.2	0.012
	Attempts to overcome the barriers to implementation of clinical guidelines into practice	10.2	5.5	10.5	9.3	0.167	11	6.7	0.022	8	6.4	10.5	10.2	0.395	6.5	11.5	0.012	7.7	11.5	12.2	0.175	7.7	10.3	8	0.441
	Others	1.4	0.4	0	0.4	0.274	0.2	0.4	0.628	0.9	0	0	0.8	0.264	0.7	0	0.010	0.6	0	0	1	0.3	0.9	0	0.428

Q12	Yes	79.6	76.6	79.5	79.8		82.1	75.9		75.6	79.9	82.7	76.4		78.3	79.3		77.6	79.5	85.6		77.5	78.3	83.9	
	No	0	3.3	3.2	6.2	0.027	3.1	4.0	0.071	2.8	3.4	2.7	7.1	0.101	2.2	6.1	0.004	4.1	0	4.4	0.054	3.7	1.8	6.3	0.004
	No idea	20.4	20.1	17.4	14		14.8	20.2		21.6	16.7	14.5	16.5		19.5	14.6		18.3	20.5	10		18.8	19.9	9.8	
Q13	Universities	32	32.8	37.4	38	0.442	40.5	31	0.003	33.3	38.9	33.6	36.2	0.535	29	47.2	0.000	33.2	42.6	40	0.081	32.5	28.7	55.7	0.000
	National Dental Associations	25.9	27.4	27.4	33.7	0.248	32.9	25.6	0.016	26.9	25.6	30.5	37	0.102	24.9	36.9	0.000	28.4	21.3	38.9	0.020	29.9	21.7	42	0.000
	Scientific communities	17.7	20.1	25.6	32.6	0.001	26.4	22.5	0.651	17.9	23.9	32.3	29.9	0.001	20.8	31.7	0.000	25	23	22	0.783	25.4	20.5	29.9	0.055
	Expert people	11.6	11.7	15.1	18.6	0.096	17.9	11.6	0.008	10.2	16.7	20.9	11	0.003	9.4	24.3	0.000	12.9	20.5	18.9	0.043	13.2	14.4	19	0.203
	Joint activity of various dental bodies	20.4	20.8	24.7	27.1	0.267	24.8	23.1	0.554	22.2	21.8	26.8	27.6	0.388	21.8	27.5	0.058	19.6	43.4	27.8	0.000	23.5	27.6	17.2	0.033
	Other	2	1.8	3.7	1.9	0.530	2.6	2.1	0.592	1.9	1.3	3.6	2.4	0.360	2.2	2.3	0.964	2.5	2.5	1.1	0.721	2.4	2.9	1.1	0.450
	No idea	1.4	0.7	1.4	2.7	0.314	1	2.1	0.173	0.6	1.3	2.7	2.4	0.211	1.4	1.9	0.344	1.6	1.6	1.1	0.937	2.4	0.9	1.1	0.239
Q14	Yes	79.6	77.4	80.8	84.9		83.8	78.6		78.4	80.8	83.2	82.7		80.5	80.6		79.7	83.6	86.7		80.7	79.8	84.5	
	No	2.7	2.6	3.7	2.7	0.365	1.9	3.7	0.083	2.8	2.6	3.2	3.1	0.785	1.4	5.8	0.001	2.6	2.5	5.6	0.077	3.4	0.9	5.7	0.002
	No idea	17.7	20.1	15.5	12.4		14.3	17.7		18.8	16.7	13.6	14.2		18.1	13.6		17.7	13.9	7.8		15.9	19.4	9.8	

Q15	Up to 2 years	16.3	22.6	24.7	32.2	0.009	31.0	19.3	0.001	18.8	27.8	28.2	28.3	0.004	20.1	33.7	0.001	24.2	24.6	27.8	0.001	30.4	20.5	20.7	0.001
	Up to 5 years	14.3	17.5	20.5	17.1		15.7	18.3		13	17.5	20.9	18.9		13.8	22.7		13.6	27	27.8		16.7	16.4	19.5	
	Until new evidence becomes available	53.7	44.5	39.7	37.6		41.7	43.5		51.5	37.2	38.2	37.8		46.2	36.2		44.1	36.9	40		34.1	46.9	53.4	
	No idea	15.6	17.9	15.1	13.2		11.7	18.9		16.7	17.5	12.7	15		19.8	7.4		18	11.5	4.4		18.8	16.1	6.3	
Q16	Every 2 years	25.2	21.2	21.9	19.8	0.876	21.9	21.2	0.001	21	23.5	21.8	19.7	0.466	22	21	0.001	22.4	19.7	17.8	0.001	24.3	22.3	14.9	0.001
	Every 5 years	13.6	16.8	18.7	18.2		13.6	20.8		14.2	19.7	16.8	22		15.5	20.4		13.6	29.5	26.7		17.7	16.7	18.4	
	When new evidence becomes available	46.3	44.9	43.4	48.1		52.9	39.1		48.8	39.7	47.7	42.5		43	50.2		46.7	36.9	48.9		39.4	44.9	59.8	
	No idea	15.0	17.2	16.0	14.0		11.7	18.9		16	17.1	13.6	15.7		19.5	8.4		17.3	13.9	6.7		18.5	16.1	6.9	

* Difference is statistically significant ($p < 0.05$) n.a: statistical comparison was not applicable because of low response rate