

Table 4 Nonadherence to evidence-based international recommendations of preventive oral care products available on the Syrian market

Oral care product	Frequency		Aspect of nonadherence	Implications of nonadherence
	2012	2016		
Manual toothbrush	56	30	Have soft or hard texture and/or large head.	Ineffective removal of plaque, abrasive effect on teeth, difficulty in reaching remote teeth.
Powered toothbrush	0	0	Not applicable.	Not applicable.
Fluoride toothpaste (<1000 ppm)	13	3	Low concentration of fluoride.	Ineffective in caries prevention.
Fluoride toothpaste (1000 ppm)	3	2	Indication for use in children aged >3 years.	Ineffective in caries prevention.
Fluoride toothpaste (>1000 to <1350 ppm)	4	2	Inappropriate concentration of fluoride.	Ineffective in caries prevention for adults and children aged >3 years.
Fluoride toothpaste (concentration not declared)	3	1	Not declaring fluoride concentration.	Might be ineffective in caries prevention or might cause fluorosis.
High-concentration fluoride toothpaste (>1350 ppm)	17	4	Indications for daily use and use in children aged less than evidence-based recommended age (10 and 16 years).	Risk of enamel and skeletal fluorosis.
Fluoride mouth rinse	15	2	Indications for use in children aged <6 years.	Risk of swallowing and related enamel and skeletal fluorosis.
Fluoride gel	3	3	All had fluoride concentration <2.2% and 1 product indicated domestic use with special trays for application.	Not having optimal caries prevention, and risk of enamel and skeletal fluorosis when used at home and applied using trays.