

Supplementary file 2. The types of programs and the outcomes assessed categorized by the type of and level of outcomes

Author(s), year	Individual level outcomes							Family level outcomes			
	Dental caries	Gingival health	Oral hygiene	OHRQoL	Oral health knowledge and attitude	Oral health behaviors	Miscellaneous	Parental oral health knowledge and attitude	Parental oral health behaviors	Parent distress and family function	Parental OHRQoL
Oral Health Education (OHE) programs											
1. Bizarra et al. 2019 ⁴²		+	0								
2. Faulks et al. 2000 ⁴⁹					+	+					
3. Freeman et al. 2016 ⁴³				+	+	0					
4. Ganss et al. 2019 ⁴⁴		+/-	+/-								
5. Henry et al. 2017 (Systematic review) ⁶¹	+										
6. Hoeft et al. 2016* ⁵⁵								+	+		
7. Lambert 2019 ⁴⁵	+		+		+						
8. Livny et al. 2007 ⁵²	0					0					
9. Livny et al. 2008 ⁵³						+					
10. Lopez Cazaux et al. 2019 ⁵¹						+					
11. Mariño et al. 2013 ⁴⁶		+				+					
12. Mariño et al. 2016 ⁴⁷					+	+					
13. Nakre et al. 2013 (Systematic review) * ⁶⁰	+/0	+	+/0		+	+		+	+		
14. Nihtilä et al. 2017 ⁴⁸			+								
15. Phlypo et al. 2018 ³⁷		0	0		0						
16. Plutzer et al. 2008 ³⁶	+										
17. Sakayori et al. 2016 ³⁵							+ (SF) + (OF)				

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18. Samson et al. 2009 ³⁴			+/0								
19. Schulz-Weidner et al. 2021 ⁵⁶		+	+								
20. Seo and Kim 2020 (Systematic review) ⁵⁷				+			+ (SF)				
21. Sfeatcu et al. 2019 ³³	+	+			+	+					
22. Smith et al. 2018 ⁵⁴	+										
23. Stein et al. 2016 (Systematic review) ⁵⁸	+/0	+/0	+/0		+	+					
24. Tubert-Jeannin et al. 2012 ⁴¹	+/-										
25. Ueno et al. 2012 ⁴⁰		+	+				+ (M)				
26. Van den Branden et al. 2014 ³⁸					+/0						
27. Wagner et al. 2016 ³⁹	+										
28. Wang et al. 2015 (Systematic review) ⁵⁹			+								
29. Winter et al. 2018 ⁵⁰					+	+					
Diagnostic and preventive programs											
1. Achempong et al. 2014 ⁶⁶	+										
2. Andruškevičienė et al. 2008 ⁷⁸	+		+								

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3. Bergström et al. 2015 ⁷⁷	+										
4. Burgette et al. 2017* ⁹²				+						+	
5. Dohnke - Hohrmann et al. 2004 ⁶⁷	+										
6. Dudovitz et al. 2018 ⁸⁹	+				0						
7. Eckersten et al. 2010 ⁹⁷							0 (F)				
8. García-Pola et al. 2021 ⁹⁴	+										
9. Kälestål 2005 ⁶⁹	+										
10. Kim et al. 2017 ⁹³			+								
11. Lai et al. 2018 ⁹⁰	+										
12. Lee et al. 2017 ⁸³		+									
13. Lee et al. 2021 ⁹⁵	0	+	+				+ (SF) + (QoL)				
14. Lin et al. 2011 ⁹¹		+			+	+					
15. Macnab et al. 2008 ⁷⁶	+					+					
16. Meyer et al. 2014 ⁷⁹	+										
17. Milsom et al. 2014 ⁶⁸	+										
18. Sköld et al. 2005 ⁸⁴	+										
19. Muller-Bolla et al. 2016 ⁸⁸	+										
20. Nakamura et al. 2009 ⁸²	+										
21. Pieper et al. 2013 ⁷¹	+										
22. Ruff et al. 2018 ⁸⁵	+										
23. Schroth et al. 2015* ⁸⁷	+				+	+		+	+/0		

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24. Simmer-Beck et al. 2015 ⁸⁶	+										
25. Sköld et al. 2016 ⁶⁴	+										
26. Slade et al. 2011 ⁶³	+										
27. Sloane et al. 2013 ⁸⁰		+	+								
28. Starr et al. 2021 ⁹⁶	+										
29. Sundell et al. 2013 ⁷⁰	0										
30. Wagner et al. 2017 ⁶⁵	+										
31. Wennhall et al. 2005 ⁸¹	+					+					
32. Wennhall et al. 2008 ⁷³	+	0	0			0					
33. Winter et al. 2016 ⁷⁵	+										
34. Winter et al. 2018 ⁷⁴	+										
35. Zimmer et al. 2001 ⁷²	0/+										
Interventional programs											
1. Alsumiat et al. 2015 ⁹⁸				0	0	0					
2. Alsumiat et al. 2019* ⁹⁹	+			0				0	0		0
3. George et al. 2018 ¹⁰⁶	+	+	+		+	+					
4. Gomez et al. 2001 ¹⁰⁵	+										
5. Hyde et al. 2005 ¹⁰³						+					
6. Hyde et al. 2006 ¹⁰⁴				+							
7. Janssens et al. 2018 ¹⁰²	+						+ (OHS)				
8. Larsen et al. 2016 ¹⁰⁷	+										

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9. Ortuno Borroto et al. 2021 ¹⁰⁹				+							
10. Rong et al. 2009 ¹⁰⁸	+	+		0							
11. Walker et al. 2007 ¹⁰¹				+							
12. Wyatt et al. 2009 ¹⁰⁰							+ (COD)				

Miscellaneous outcomes include Salivary Flow/Salivary Secretion (SF), Malodor (M), Fluorosis (F), Oral Function (OF), Quality of Life (QoL), Oral Health Stability (OHS), and Clinical Oral Disorder (COD).

+ indicates a favorable outcome

- indicates an unfavorable outcome

0 indicates no change

* indicates that the study addresses a family level outcome