

Índices Clínicos COHI; COCNI e COPI

COHI Values	CRITERIA
0	Having no criteria that had a medical impact:
No oral health problems	No mucosal lesion on lips, tongue or jaw
	and Absence of dental plaque (Greene and Vermillion index = 0 for both arches) [35]
	and Absence of calculus (Greene and Vermillion index = 0 for both arches) [35]
	and No gingivitis (Loe and Silness index = 0 for both arches) [36]
	and No fractured anterior tooth
	and No missing anterior tooth
	and No missing posterior tooth
	and No dental caries
	and No infectious disease
	and No severe orofacial dysmorphology
	AND having no criteria that had a social impact:
	No halitosis
	and No drooling
	and No anterior tooth with a fractured, unrestored crown
1	OR Having no criteria that had a medical impact:
Existence of one or more problems with a low to a moderate impact on health	No mucosal lesion on lips, tongue or jaw
	or Absence of dental plaque (Green and Vermillion index = 0 for both arches) [35]
	or Absence of calculus (Green and Vermillion index = 0 for both arches) [35]
	or No gingivitis (Loe and Silness index = 0 for both arches) [36]
	or No fractured anterior tooth
	or No missing anterior tooth
	or No missing posterior tooth
	or No dental caries
	or No infectious disease
	or No orofacial dysmorphology
	AND having at least one criteria that had a social impact:
	Presence of halitosis
	or Presence of drooling
	or At least one anterior tooth with a fractured unrestored crown
	Having at least one criterion that had a medical impact
	At least one mucosal lesion on lips, tongue or jaw
	or Dental plaque (Greene and Vermillion index >0, on a group of teeth or all the teeth of at least one arch) [35]
	or Calculus (Greene and Vermillion index >0, on a group of teeth or all the teeth of at least one arch) [35]
	or Localized gingivitis (Loe and Silness index >0 on a group of teeth or at least one arch) [36]
	or At least one anterior tooth with a fractured, unrestored crown
	or One limited anterior edentulous segment (1 or 2 anterior teeth)
	or At least one minor posterior edentulous segment (missing all molars and premolars on 1 or 2 half-arches with at least one residual inter-arch dental contact)
	or At least one incipient carious lesion, but no developed carious lesion (stage 1 or 2 according to the Eckstrand classification for carious lesions) [37]
	or Presence of a simple orofacial dysmorphology
	... regardless of the criteria that had a social impact
2	Having at least one criteria that had an important medical impact
Existence of one or more problems with important to severe impact on health	Generalized gingivitis (Loe and Silness index >0 for both arches) [35]
	or Missing at least 3 anterior teeth
	or At least one major posterior edentulous segment (missing all molar and premolars on at least 2 half-arches, without any residual inter-arch dental contact)
	or At least one developed carious lesion (stage 3 or 4 according to the Eckstrand classification for carious lesions) either on a deciduous or a permanent tooth [37]
	or At least one infected lesion (presence of an abscess, or a tooth with pulpal exposure, or a fistula)
	or Presence of complex orofacial dysmorphology
	... regardless of the criteria that had a social impact
Undetermined	At least one undetermined criteria that had a medical impact and regardless of the criteria that had a social impact.
Others conditions by elimination	or Having no criteria that had a medical impact but having at least one undetermined criteria that had a social impact.

doi:10.1371/journal.pone.0002564.t002

COCNI Values	Suspected health conditions	CRITERIA
3 Urgent need for care or examination	Marker of local infectious disease	<ul style="list-style-type: none"> During the last three months the child expressed discomfort or pain in his/her mouth and consecutively he/she had no dental visit. or At least one mucosal lesion on lips, tongue or jaw or At least one infected lesion (presence of an abscess, or a tooth with pulp exposure cavity, or a fistula) AND absence of any systemic disease* requiring specific oral health monitoring.
	Marker of focal infectious disease	<ul style="list-style-type: none"> During the last three months the child expressed discomfort or pain in his/her mouth and consecutively he/she had no dental visit. or Presence of at least one mucosal lesion on lips, tongue or jaw or At least one infected lesion (presence of an abscess, or a tooth with a pulp exposure, or a fistula) or Presence of generalized gingivitis (Loe and Silness index >0 for both arches) AND Existence of a systemic disease requiring specific oral health monitoring*
	Marker of traumatic lesions	<ul style="list-style-type: none"> During the last three months the child expressed discomfort or pain in his/her mouth and consecutively he/she had no dental visit. or Presence of at least one mucosal lesion on lips, tongue or jaw
	Marker of oral disease with functional or social consequences	During the last three months the child expressed discomfort or pain with his/her mouth and consecutively he/she had no dental visit.
2 Need for care or examination	Marker of local infectious disease	<ul style="list-style-type: none"> Presence of calculus or Presence of gingivitis or Presence of at least one anterior tooth with a fractured, unrestored crown or Presence of at least one developed carious lesion. AND Absence of a systemic disease* requiring specific oral health monitoring
	Marker of focal infectious disease	<ul style="list-style-type: none"> Presence of calculus. or Presence of a localized gingivitis or Presence of at least one anterior tooth with a fractured, unrestored crown or Presence of at least one developed carious lesion. AND Existence of a systemic disease* requiring specific oral health monitoring
	Marker of traumatic lesions	Presence of at least one anterior tooth with a fractured, unrestored crown
	Marker of oral disease with functional or social consequences	No dental visit over the last 12 months
1 Need for examination	Marker of local infectious disease	<ul style="list-style-type: none"> No dental visit over the last 12 months or Presence of dental plaque or Presence of at least one incipient carious lesion. AND Absence of a systemic disease* requiring specific oral health monitoring
	Marker of focal infectious disease	<ul style="list-style-type: none"> No dental visit over the last 12 months or Presence of dental plaque or Presence of at least one incipient carious lesion. AND Existence of a systemic disease* requiring specific oral health monitoring
	Marker of traumatic lesions	No dental visit over the last 12 months
	Marker of oral disease with functional or social consequences	<ul style="list-style-type: none"> No dental visit over the last 12 months or Presence of an anterior edentulous segment from 1 to 6 teeth on at least one arch. or Presence of a posterior edentulous segment for children up to 13 years old) or Presence of untreated severe orofacial dysmorphism
0 No need for care nor examination		Other conditions by elimination

*Epilepsy, congenital cardiac disease, bronchopneumopathy (including asthma), internal prosthesis, immunodeficiency and hematological disease, or diabetes.
doi:10.1371/journal.pone.0002564.t003

COPi Values	CRITERIA
1	Existence of systemic disease requiring specific oral health monitoring*
Existence of at least one preventive or dental health education action need	or Presence of dental plaque
	or Lack of autonomy for feeding
	or Being fed by tube or parenteral nutrition
	or Restriction to puréed foods
	or Eating hyper-calorific food complements or drinking sweetened drinks
	or Coughing regularly during meals
	or Presence of halitosis
	or Having difficulties communicating pain
	or Drooling
	or Being uncooperative during oral examination [38]
0	
No need for either preventive health action or dental education	Other conditions, by elimination

*as defined in the descriptive results section.
doi:10.1371/journal.pone.0002564.t004