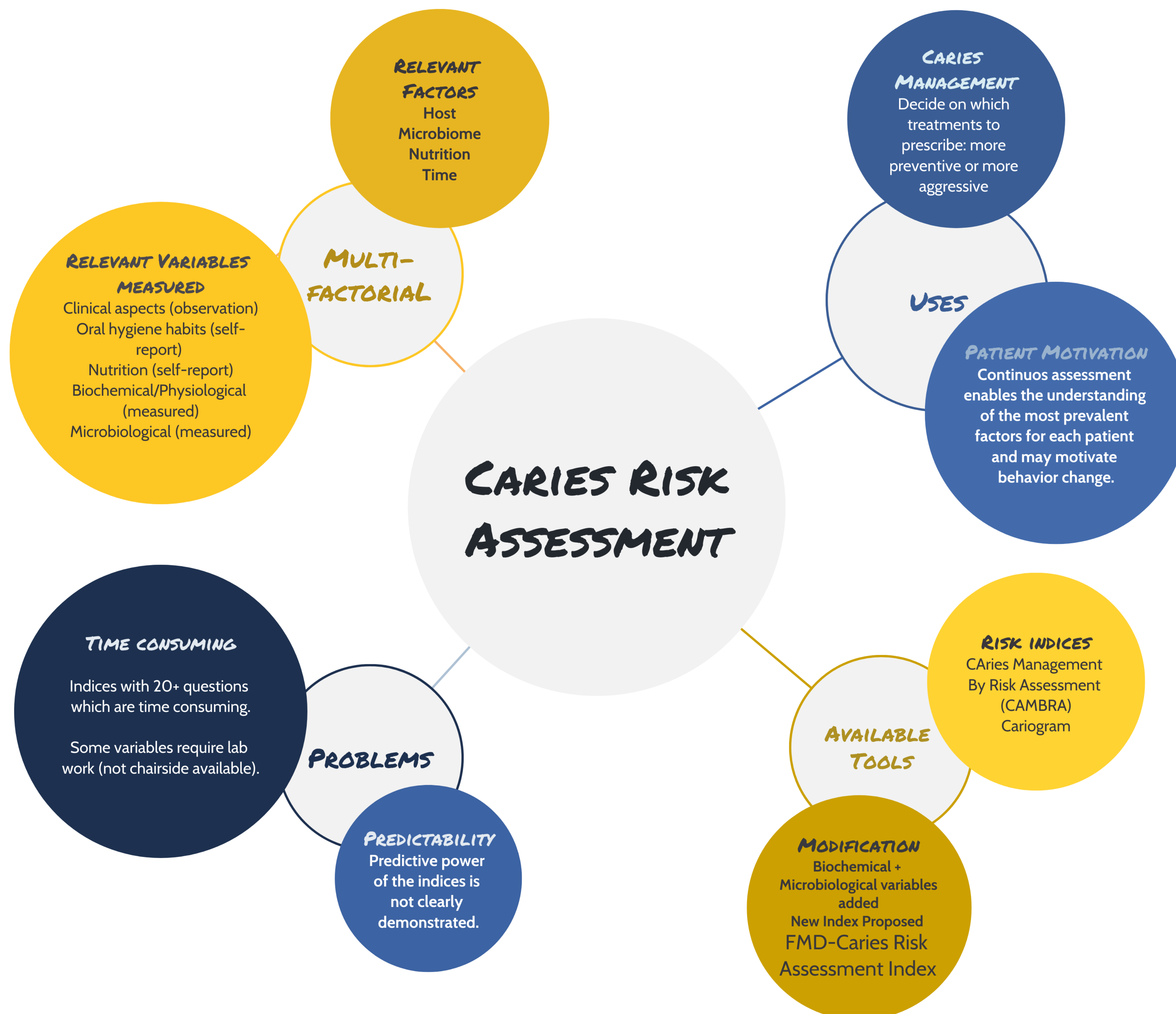


FMD-Caries Risk Assessment Index – A new caries risk assessment index including salivary and microbiological factors

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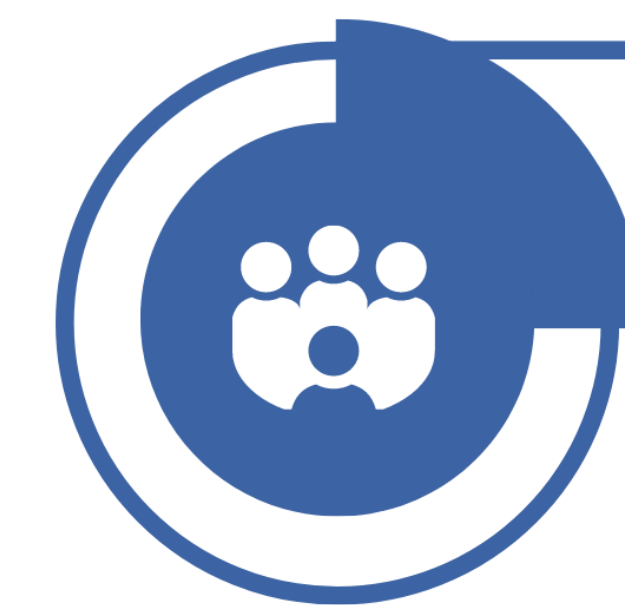


WHAT WAS DONE



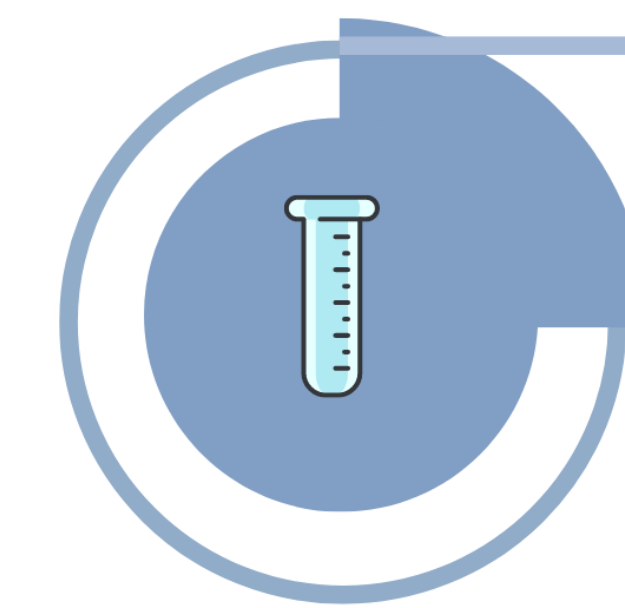
CAMBRA modification

Modification of the proposed questions including Saliva and Biofilm collection for pH measurement, for microbiological analysis (Total Bacterial count, cariogenic and carioprotector species identification)



Patient selection and observation

Patients attending the Clínica Dentária Universitária over 18 years old fulfilling the inclusion criteria were asked to participate. If they agreed, a consent form was signed. Clinical observation (ICDAS II) was done and questionnaire was filled.



Saliva and Biofilm collection and analysis

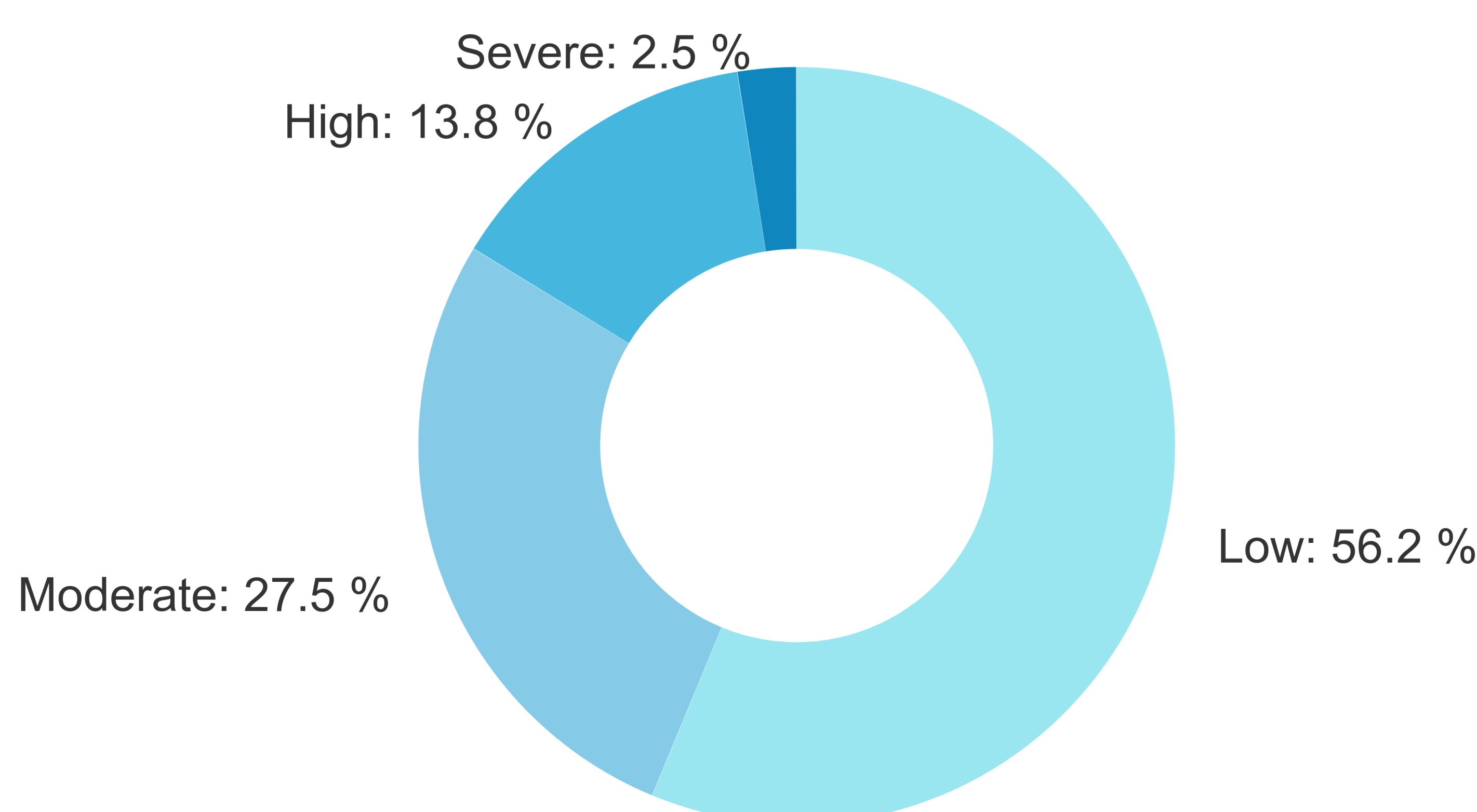
Saliva and Biofilm were collected as previously described. Saliva pH was immediately measured. Saliva and Biofilm were aliquoted and frozen at -80°C.



Score computing and Statistics

Using the predefined weights, all variables of the index were used to compute the caries risk score and converted into Low, Moderate, High and Severe Risk.

FMD-CARIES RISK ASSESSMENT INDEX



CONCLUSIONS



Proposed FMD-Caries Risk Assessment Index is feasible



Filling the questionnaire takes 5-10 minutes.



Biologic sample collection is feasible and takes <5 minutes.



No association between microbial load and caries risk was found.



Recalls are currently taking place.



Prediction potential of the index still has to be shown.

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