



AN UPDATED VERSION OF ‘ORAL IMPACTS OF DAILY PERFORMANCE’ QUESTIONNAIRE MODIFIED FOR CHILDREN (OIDP-MC)

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Abstract: A self-reporting to access the oral impact of daily performance has been developed. The children to be tested will be in the age range of 6 to 11 years where they can understand and interpret question for proper elicitation. The responses will be recorded by using modified Likert scale (gender specific for boys & girls/ separate questions will be given for both the gender) our newer scale can be an excellent tool for multidimensional assessment of child and his limitations.

Keywords – OIDP-MC, OHRQoL, Oral Health, Bhopal, Daily activity

INTRODUCTION

The OIDP aims to measure and assess the ultimate impacts of impairments on life of the people. The Oral Impacts on Daily Performances index tends to use the logical approach of impact quantification by the means of assessing both frequency and severity. It has been found as a useful indicator in dental treatment need planning in populations and to assess the outcomes of treatment.¹The Oral Impact on Daily Performance (OIDP) is one of the most commonly used oral health related quality of life tool worldwide. It estimates out the impact of oral health on physical, psychological and social activities which are daily performed and gets affected due to poor oral health. It has been formed to serve the purpose of analyzing and designing the oral health service planning system which provides framework for finding and evaluating dental needs of general population.²

The OIDP intends to measure the most severe and valuable oral health impacts i.e., disability and handicap. The OIDP scale gives distinct and increased validity to responses and perception of population in which it is being applied. The OIDP's specific child version, the Child OIDP has been found applicable to the general younger populations in Great Britain, Tanzania, Uganda, Brazil, and Peru³

Health-related quality of life is a complex concept comprising varied factors. It addresses the very important issue related to longevity and standard of living among general population. It is the value and attention being paid to current or future health status and also on the duration of life which is affected by impairments, functional states, perceptions, and social opportunities, which in turn are associated with disease, injury, treatment and policy. It is a combination of absolute health, perceptions of actual or potential health, and or disability. Author Locker et al⁴ gave attention to the impact that oral health has on quality of life and emphasized the need for a cumulative approach in which both clinical conditions and individual perception of oral health is given paramount importance along with the social and psychological impact⁵

UNIQUENESS OF OUR SCALE -

In our scale there are 5 questions in each of the 12 parameters like eating, speaking, cleaning teeth and so on, the questions are modified for each parameter considering all the possible scenarios of daily activities being performed by the children of 06 to 11 year age group nowadays. The questions are easy to read, interpretate and self-record a response by child (Table-1). Two different sets of questionnaires separate for girls and boys with total of 60 questions in each set present.

5-POINT SCALE –

A modified 5-point Likert Scale is being used for assessing and recording the responses. The scale has 5 different sets of emojis for boys and girls separately. The characteristic of each emoji corresponds with type of response being assigned to that particular score. The score from 0 to 5 represents following-

- 0- Never
- 1- Hardly ever
- 2- Occasionally
- 3- Fairly often
- 4- Very often

TARGET AGE –

This is our modified self-reported scale and targets the children from 06 to 11 year age group.

ADVANTAGES -

We have modified the questions in previously existing parameters considering the daily activities and their perceptions and also, we have added five entirely new parameters based on daily activities being performed by particular age group (adolescents and early teens) of nowadays. We have chosen the questions in consideration of our age group children's need i.e., 06 to 11 years. The children of this age group are still in phase of growth and development and our being actively involved in various different type of activities in their day-to-day life. And any kind of disturbance or shortcoming in their oral health has serious impact in their physical, psychological and also psychosocial behavioral aspect.

With no scale so far covering all the oral impacts of daily performance in children of this age group was available our scale assesses the perceptions, needs and provides further possibilities which guide in addressing the social impacts of daily performance on oral health which will be specifically concerned for children of this age group which have different sorts of requirements, psychological and social fragile mindset. The questions are easy for understanding, registering their responses, feasible and reliable.

Table 1- ORAL IMPACT OF DAILY PERFORMANCE MODIFIED FOR CHILDREN QUESTIONNAIRE (OIDP- MC)

Parameter	Questions
EATING	<ul style="list-style-type: none"> A. Eating with friends/siblings B. Eating at midnight/ during nocturnal hours C. Eating before brushing teeth D. Forceful feed from parents/ guardians/ whomever E. Binge eating
SPEAKING	<ul style="list-style-type: none"> A. Speaking in-front of teachers. B. Would like to speak in mother tongue/English C. Speaking over the telephone/video call D. Speaking during exam scenario E. Speaking when grades are declared
CLEANING TEETH	<ul style="list-style-type: none"> A. Cleaning teeth alone B. Cleaning teeth after every meal C. Cleaning teeth in-front of mirror D. Cleaning teeth in-front of dentist E. Cleaning teeth before going to bed
SLEEPING/RELAXING	<ul style="list-style-type: none"> A. Sleeping for 6 to 8 hours B. Sleeping beyond 8 hours C. Day time sleeping D. Intermittent disturbed sleep E. Sleeping when on dental chair
SMILING	<ul style="list-style-type: none"> A. Polite smile. B. Lying smile. C. Embarrassed smile. D. Reward smile E. Would like to smile spontaneously.
EMOTIONAL	<ul style="list-style-type: none"> A. Fear B. Anger C. Sad D. Joy E. Shame
SCHOOL WORK	<ul style="list-style-type: none"> A. Child of government official B. Child of private sector official C. Child of Doctor's/ Dentist's D. Children of single parent going to job E. Child of others
INTEREST IN EXTRACURRICULAR ACTIVITIES	<ul style="list-style-type: none"> A. Interest in music B. Interest in piano/ guitar C. Interest in singing/ dancing D. Interest towards theatrical activities E. Interest in any other activities

SOCIAL CONTACT	<ul style="list-style-type: none"> A. Everyday conflicts B. Competition/ Ego/ Competition issue with fellow batchmate/ competition to excel in school C. Exchange of thoughts/ideas/work D. Cooperation E. Accommodation
GOING TO TOILET	<ul style="list-style-type: none"> A. Normal/Regular B. Would like to have assistance C. Any underlying systemic disease/ illness D. When shamed/ stressed/ distress E. During injuries/ long term bed ridden scenario
GENERAL MOBILITY & PHYSICAL FITNESS	<ul style="list-style-type: none"> A. Walking without any support B. Climbing stairs effortlessly C. Running without tripping D. Able to practice in any outdoor game/sport E. Cycling/Skating(Roller skates)
PAIN	<ul style="list-style-type: none"> A. Pain due to injury/ insertions B. Pain of short duration(cycle falls) C. Pain of staircase fall D. Pain of floor falls E. Pain due to deep cuts & wound gnashes

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