



ORIGINAL RESEARCH PAPER

Community Medicine

MODIFIED KUPPUSWAMY SCALE UPDATED FOR YEAR 2018

KEY WORDS: Socioeconomic scales, Kuppuswamy scale 2018, Social class, Socioeconomic status

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ABSTRACT

Background: Socio-economic status (SES) could be a live of economic and social science conditions of an individual's work expertise and of a personality's or family's economic and social position in reference to different community members. Sometimes financial gain, education, and occupation are taken into consideration to work out socioeconomic status. In most of the scientific studies like hospital and community-based studies, assessment of socioeconomic status of an individual/family is a very important pre-requisite as several diseases are directly or indirectly related to socioeconomic status. Socio-economic scales are captivated with analysis of financial gain and need to be updated with dynamical consumer index. the objective of the study was to revise the socio-economic scales of Kuppuswamy, taking into consideration the revision in consumer index (industrial workers).

Methods: The socio-economic scales were revised on the idea of updated CPI (IW) for the month of January 2018, using an internet tool.

Results: The updated Kuppuswamy scales for the year 2018 were obtained using revised CPI (IW) and an easy online tool.

Conclusions: we tend to concluded that regular change of Kuppuswamy's socioeconomic scale is very important to keep up the validity of this scale because the scale depends on the general financial gain of the family/individual and it's liable to amendment with revision consumer index.

Introduction

Socio-economic status (SES) could be a measure of economic and sociological conditions of an individual's work expertise and of a person's or family's economic and social position in regard to different community members. Usually, income, education, and occupation area unit taken into thought to determine socioeconomic status. In most of the scientific studies like hospital and community-based studies, assessment of the socioeconomic standing of an individual/family is a vital pre-requisite as several diseases are directly or indirectly related to socioeconomic standing. It conjointly reflects affordability of health services and buying power of the community members. To classify the communities and people, varied socioeconomic scales are projected as well as Rahudkar scale 1960, Udai Parikh scale 1964, Jalota Scale 1970, Kulshrestha scale 1972, Kuppuswamy scale 1976, Shrivastava scale 1978, Bharadwaj scale 2001 (1-7). For urban areas, rural areas and semi-urban areas, Kuppuswamy socioeconomic scale is that the most generally used socioeconomic scale all over Republic of India. However, continuous social transformation and invasive economy growth within the country like Republic of India have rendered these scales ineffective in measuring the socioeconomic status over the years. So, in sight of this these scales area unit updated often thus on slot in the present situation. In this paper, we'll discuss Kuppuswamy's socioeconomic status scale that is a vital tool to measure socioeconomic status of families in urban areas.

Kuppuswamy socioeconomic scale was initial projected within the year 1976 by Kuppuswamy (8). the dimensions take under consideration a composite score of the education of the pinnacle of the family, occupation of the pinnacle of the family together with total monthly financial gain of the family. This scale has been endlessly revised over the amount of years. the overall evaluation ranges from 3-29 and categorizes families into upper, upper middle, lower middle, upper lower and lower socioeconomic status. Numerous variables that are taken under consideration within the changed Kuppuswamy's scale are mentioned in Table 1. The scale typically desires revisions because the financial gain vary scale lose their relevancy with the amendment within the worth of Rupee (9,10) whereas education and occupation of head of the family classes remain same with time. The consumer's financial gain scale amendments with the change within the consumer indicator for industrial workers-CPI (IW) as projected by the Ministry of Statistics & Programme Implementation. the buyer indicator values area unit understood with respect to a base year. Socio-economic scales area unit dependent on the analysis of financial gain and wish to be updated with ever-changing consumer indicator. the objective of this paper was to revise Kuppuswamy socioeconomic scale, taking into thought the

revision in consumer indicator (industrial workers) over the period of time. an effort has been created through this paper to update Kuppuswamy scale as per CPIIW of January 2018 and taking 2012 as the base year.

Methods

In this paper, an intensive literature search was done using PubMed and google scholar and antecedently printed articles on Kuppuswamy's socioeconomic scale were analysed. financial gain range of the base year 2012 for change the financial gain ranges to this state of affairs was obtainable from Labour Bureau, Govt of India (11) The calculation of financial gain ranges, using CPI (IW) figure, was done using online calculation tool (12, 13).

Price index for 2018 (by 2012 base) = 368, Conversion factor for January 2018= 368/88.428= 4.16. Multiplying the income scale of 2012 by 4.16 updates the scale for January 2018 [Table 1(a)(b)(c)(d)]

Results

On the basis of update done using the revised CPI-IW, the new income ranges were obtained for the year 2018. In Kuppuswamy's scale, the scores awarded to the education and the occupation of the head of the family remain unchanged.

Discussion:

As Kuppuswamy socioeconomic scale is legendary among the researchers, students and public health personals, regular updating of this socioeconomic scale very important to maintaining its validity in assessing the socioeconomic standing and finding the socio-economic class of people and families while conducting community-based, hospital-based & social studies. Limitations of Kuppuswamy scale: The scale takes into thought education of the head of the family and occupation of the head of the family that is completely unsuitable within the current state of affairs. As in Indian context, eldest of the person within the house hold takes most of the decisions for the family and is taken into account head of the family weather he's educated or he presently works or not. within the current state of affairs with increase within the accomplishment rate of the country, most of the adult population is educated and adjusted in some occupations however their parents are poorly educated and not well adjusted in occupations. Kuppuswamy scale takes in account parents academic and activity standing (Head of the family), however ignores the status of their youngsters who might have good accomplishment status and occupation than their parents.

Conclusion

We concluded that regular updating of Kuppuswamy's

socioeconomic scale is important to maintain the validity of this scale as the scale depends on the overall income of the family/individual and it is susceptible to change with revision consumer price index.

classification. Available from: www.prasadscaleupdate.weebly.com. Accessed on 14th October 2016.

Table 1: Modified Kuppuswamy Socioeconomic scale updated for January 2018.

(a) Occupation of the Head of the Family: -

Sr. No.	Occupation of the Head	Score
1	Legislators, Senior Officials & Managers	10
2	Professionals	9
3	Technicians and Associate Professionals	8
4	Clerks	7
5	Skilled Workers and Shop & Market Sales Workers	6
6	Skilled Agricultural & Fishery Workers	5
7	Craft & Related Trade Workers	4
8	Plant & Machine Operators and Assemblers	3
9	Elementary Occupation	2
10	Unemployed	1

(b) Education of the Head of the Family: -

Sr. No.	Education of the Head	Score
1	Profession or Honours	7
2	Graduate	6
3	Intermediate or diploma	5
4	High school certificate	4
5	Middle school certificate	3
6	Primary school certificate	2
7	Illiterate	1

(c) Total Monthly Income of the Family: -

Sr. No.	Updated Monthly Family Income in Rs. (2012)	Updated Monthly Family Income in Rs. (2016)	Updated Monthly Family Income in Rs. (2018)	Score
1	>30375	≥ 40,430	>126,360	12
2	15188-30374	20,210–40,429	63,182-126,356	10
3	11362-15187	15,160–20,209	47,266-63178	6
4	7594-11361	10,110–15,159	31,591-47262	4
5	4556-7593	6060–10,109	18,953-31589	3
6	1521-4555	2021–6059	6327-18949	2
7	≤1520	≤ 2020	≤6323	1

(d) Kuppuswamy's Socio-Economic Status Scale 2018: -

Sr. No.	Score	Socioeconomic Class
1	26–29	Upper (I)
2	16–25	Upper Middle (II)
3	11–15	Lower Middle (III)
4	5–10	Upper Lower (IV)
5	< 5	Lower (V)

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