



# Prevalence and Associated Factors of Recurrent Miscarriage in Women Aged 10 to 53 in Isfahan Province: A Population-Based Cross-Sectional Study

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## Abstract

**Introduction:** Recurrent miscarriage, defined as the loss of three or more consecutive pregnancies, significantly impacts couples who are trying to conceive. It is linked to psychological distress and can be a source of frustration for both patients and healthcare providers. Research indicates that about one-third of women seeking help at specialized clinics experience clinical depression, while one in five exhibit anxiety levels comparable to those found in psychiatric outpatient settings. In this study, we explore the prevalence of recurrent miscarriage among women aged 10 to 53 in Isfahan province and identify factors associated with it.

**4. Methods and Materials:** This retrospective cross-sectional study was conducted in Isfahan province in 2024. Our target population consisted of women of reproductive age (10 to 53 years) residing in Isfahan. multi-stage cluster sampling approach was used, and 3000 women were interviewed. To investigate factors related to abortion, Chi-square test, independent sample t-test, and multiple logistic regression were used.

**5. Results:** Overall, 670 women (22.2%, 95% CI (22.04% -25.24%)) reported a lifetime history of abortion. 19.4% had spontaneous abortion and 5.2% had recurrent miscarriage during their lifetime. Chi-square and independent sample t-test show significant associations between recurrent miscarriage and variables such as age, Spouse's age, marital status, women job, the number of children, stillbirth, relationship of couples, the distance between marriage and starting living together, using birth control methods. Additionally, the logistics regression showed, increasing age (OR =1.05, 95% CI: 1.01-1.10) and distance between marriage and starting living together (OR =1.005, 95% CI: 1.001-1.009) increased the odds of a positive lifetime history of recurrent miscarriage.

**Conclusion and discussion:** The high rate of abortion and recurrent miscarriage emphasizes the need for educational intervention programs considering age reduction, and lifestyle modifications.

**Keywords:** Prevalence, Abortion, Isfahan, Population-based study

## Introduction

The paper must not exceed 12 pages. Please use the following guidelines in preparing your full papers. If papers are not prepared according to the following guidelines they will be withdrawn from the conference program.

## Elements of a Paper

The basic elements of a paper are listed below in the order in which they should appear:

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- Conclusions
- Acknowledgments
- Nomenclature (Not-necessary for two-page summary paper)
- References
- Appendices

## Paper Preparation

All papers must be written in either English or Persian (Farsi). Paper will be presented in the language that it is written.

Paper must send by uploading in the conference websit. Don't use Email for sending papers.

For English papers; the fonts for the different parts of a paper are in Times New Roman as follows:

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Each A4 page is prepared in one column. The Abstract starts 90mm from the top of the page on the first page.

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The headings will start from the far left.

Use single spacing with no space between the section headings and the paragraph following it. Put one space between the texts of main sections.

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## System of Units

SI system of units is deemed to be used. If necessary use the equivalent value in the other system of units in brackets after the SI system of units.

## Equations

Equations start from the far left of the column and numbered consecutively. The equation numbers must be bracketed and placed opposite to the equation on the far right of the line in that column.

$$\sigma_r = \frac{E}{1-\nu^2} (\epsilon_r + \nu \epsilon_\theta - (1-\nu) \alpha \Delta T) \quad (1)$$

## Tables, Figures and Photographs

Tables must be numbered and the title of the table must be placed on the top of the table with the footnotes on the bottom. Tables must appear where (or as close as to) they are first mentioned in the text. They must be referred in the text as "Table 1".

Figures must be numbered and the caption of the figure must come at the bottom of the figure. All the legends and the numerical values on the axes of the curves must be clear and readable. Figures must appear where (or as close as to) they are first mentioned in the text. They must be referred in the text as "Figure 1".

Photographs must original and follow 2 above for numbering and captions.

Leave one space between the Table/Figure and the text following it.

Table 1-major cities on the 21 routes to london

Route number	City 1	City 2	City 3	City 4	City 5	City 6
1	Halifax	Sheffield	Nottingham	Bedford		
2	Plymouth	Exeter	Salisbury			
3	Tiverton	Taunton	Frome			
4	Bristol	Bath	Reading			
5	Southampton	Winchester				
6	Portsmouth	Chichester				
7	Canterbury	Rochester				
8	Yarmouth	Ipswich	Colchester			
9	Norwich	Bury				
10	King's Lynn	Ely	Cambridge			
11	Berwick	Newcastle	South Shields	Sunderland	Durham	
12	Bradford	Leeds				
13	Whitby	Scarborough	York			
14	Manchester	Derby	Northampton	Leicester		
15	Hereford	Gloucester	Cirencester			
16	Beverley	Hull	Lincoln	Boston		
17	Whitehaven	Liverpool	Macclesfield	Lancaster	Carlisle	Kendal
18	Shrewsbury	Birmingham	Wolverhampton	Coventry	Dudley	
19	Worcester	Oxford				
20	Kidderminster	Warwick	Banbury			
21	Chester	Lichfield	Coventry			

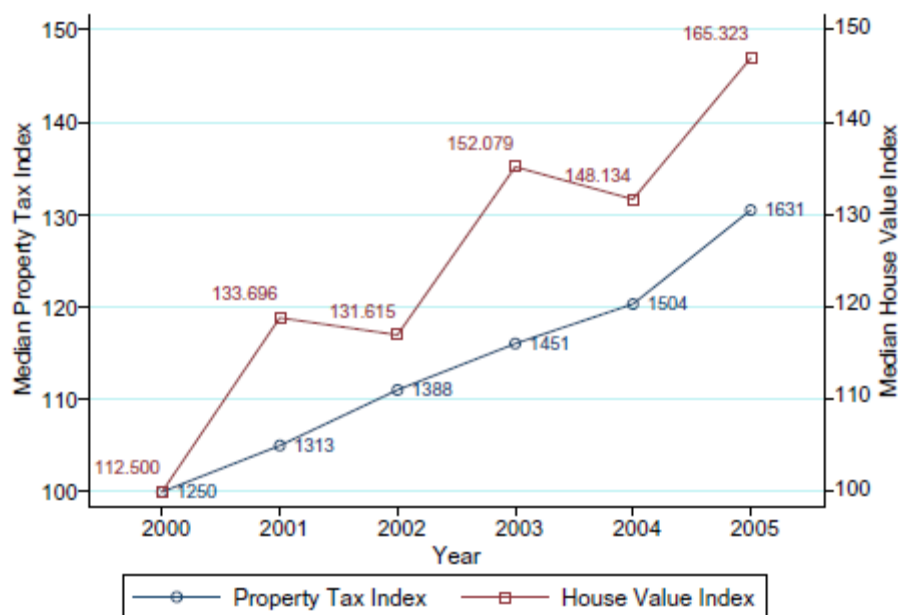


Figure (1) median property taxes and house value in the united states, 2000-2005

## Results Discussion

All the obtained results should be carefully investigated and compared with the other works. Two page summary papers must include results and discussion sections.

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Main conclusions of the paper must be put here.



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The list of symbols comes after the acknowledgment and before references. The English symbols come first followed by the Greek symbols. Both must be typed in alphabetical order and separated.

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- [1] Assembly Jobs, Economic Development, and the Economy Committee, 2006. 20, Years of California Enterprise Zones: A Review and Prospectus, Sacramento, California, April 12, 2006.
- [2] Timoshenko, S.P. and Woinowsky-Krieger, S., 1959, *Theory of Plates and Shells*, New York: McGraw-Hill Book Company.
- [3] Billings, Stephen, 2009. Do enterprise zones work? An analysis at the borders. *Public Finance Review* 37 (1), 68–93.