Dr Sonia Sunny India

Management of menopausal problems in a primary health care setting

LEADING THE WAY: Nurses and midwives for a safe, healthy and peaceful world 4th Commonwealth Nurses and Midwives Conference 10–11 March 2018 London UK

Introduction



Increased life span- A New Phenomenon



Average Lifespan-69.9 years



Life Events- Menarche, Childbirth & Menopause



Average age at menopause – 45 years



Entry into health risk zone



Lack of knowledge regarding menopause and related aspects



Need empowerment to live healthy

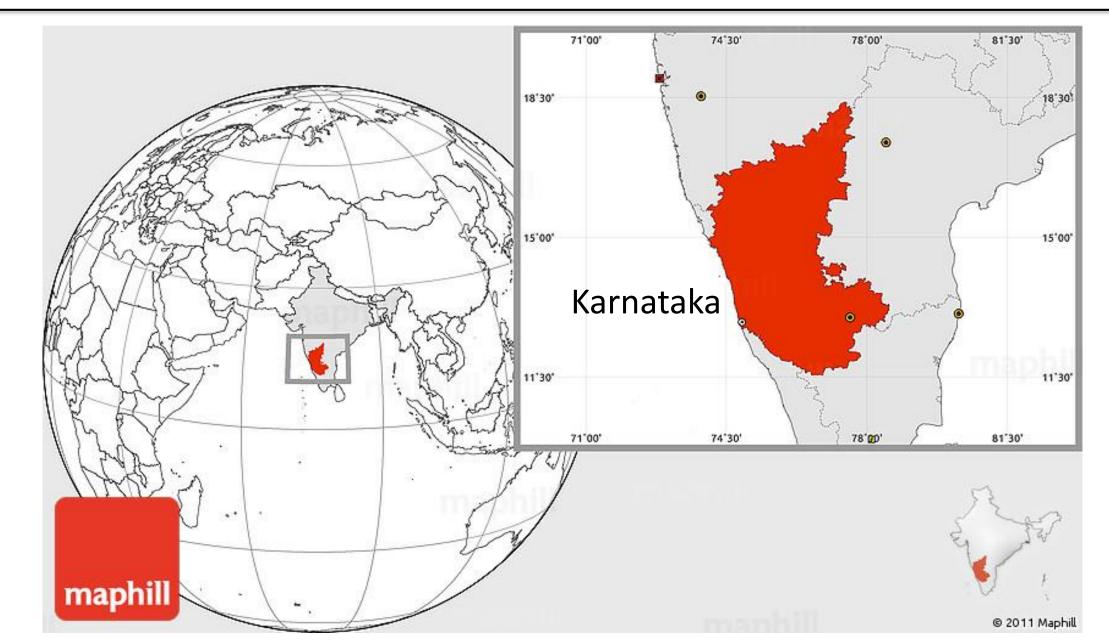


Better quality life



43 Million out of 1 Billion

Background



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Nurse Led Education Program in Management of Menopausal Problems in a Primary Health Care Setting.

Sonia Sunny

Co-Author: Dr A.V.Ramen Indira Gandhi National Open University. School Of Health Sciences New-Delhi India

Background



Primary Health Centre

Women of Devanahalli



Women of Karnataka

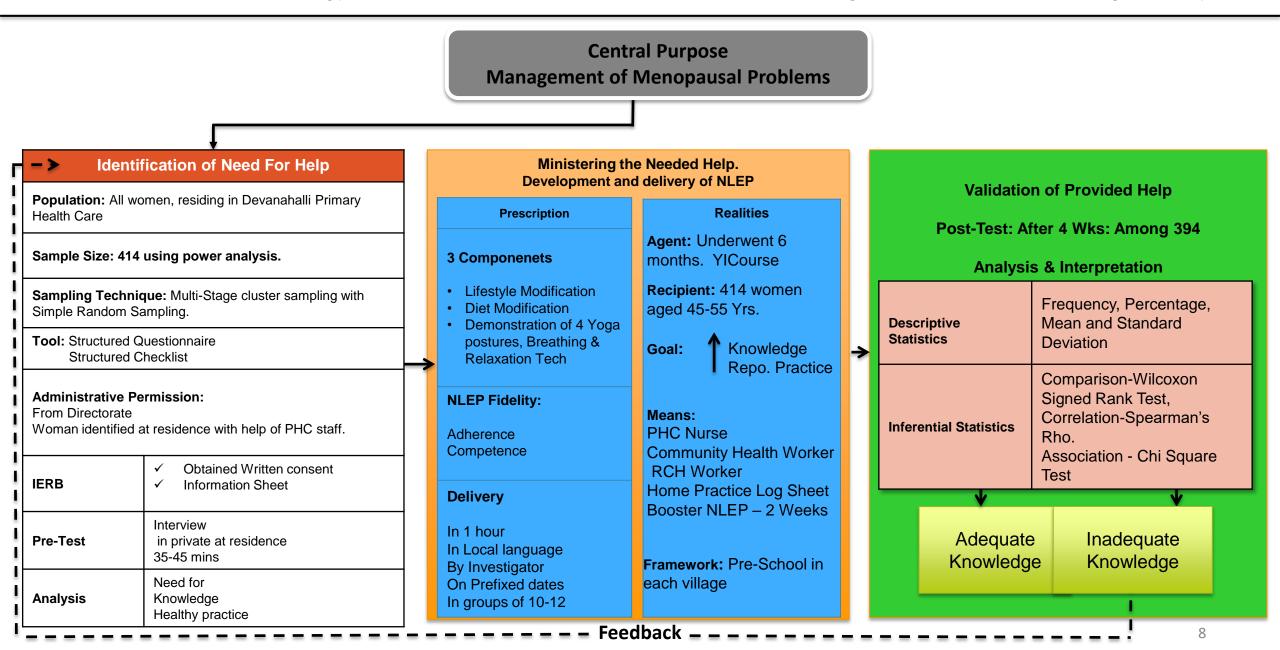


- Occupation: Agriculture
- Literacy:69%

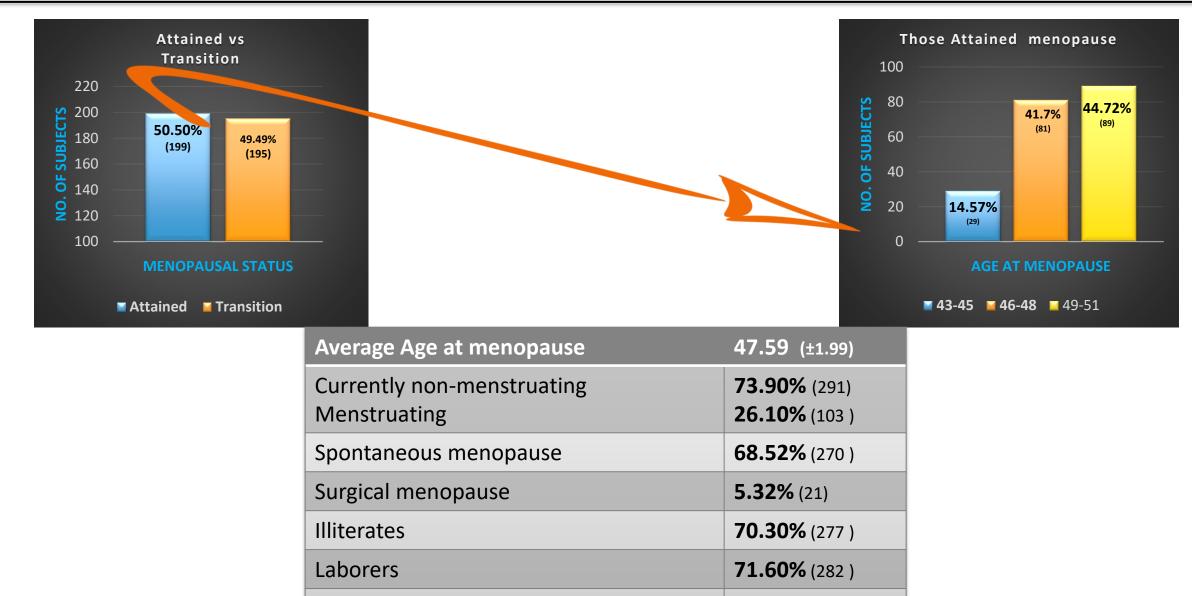


- What is the effect of a Nurse Led Educational
- Program on knowledge and reported practice
- regarding management of menopausal problems
- among women residing in Devanahalli Primary health
- care setting, South India?

Research Methodology based on Ernestine Wiedenbach's Helping Art of Clinical Nursing Theory



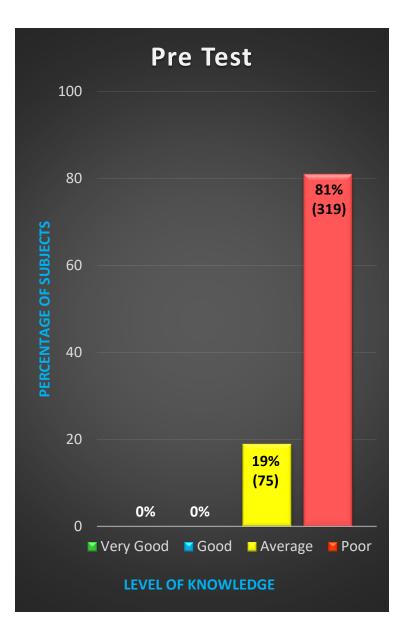
Results: Baseline variables, n=394

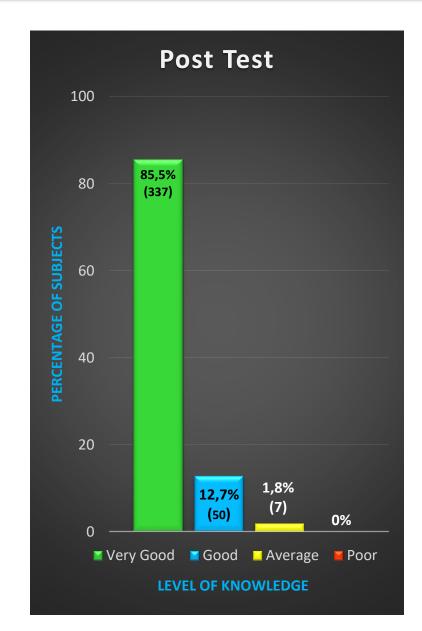


54.10% (213)

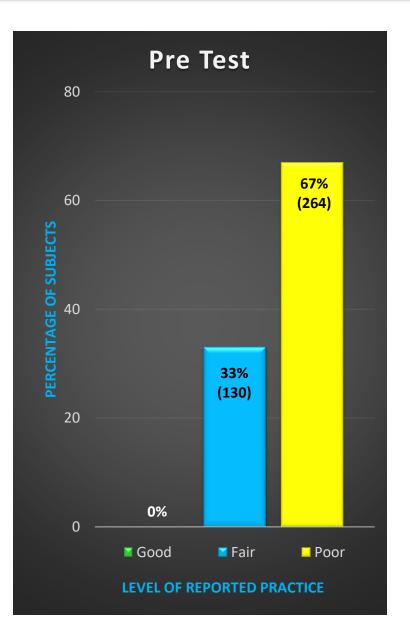
Tobacco chewing

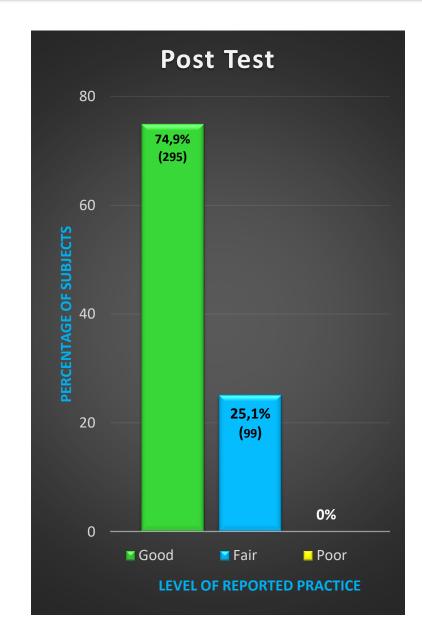
Assessment of pre and post-test knowledge scores n=394





Assessment of pre and post-test reported practice scores, n=394





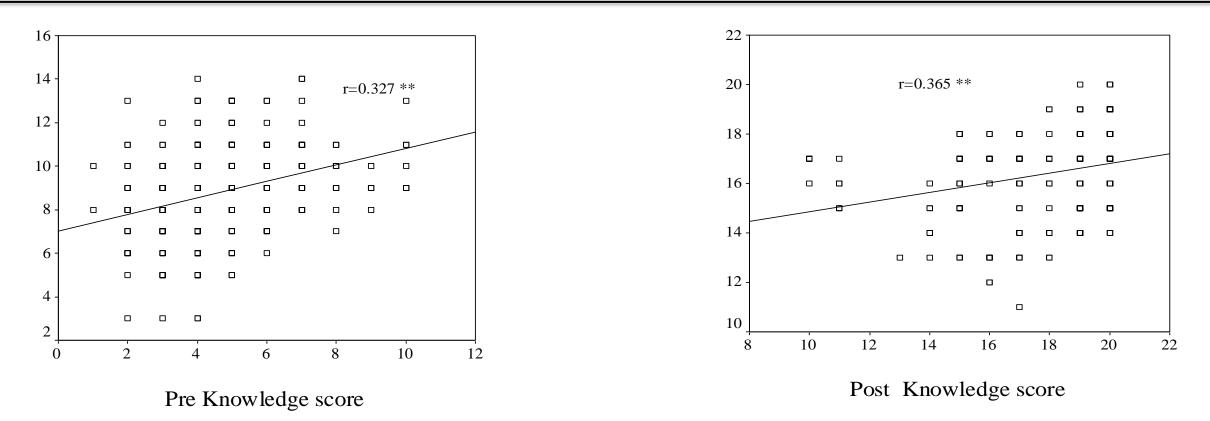
Dimension wise comparison of pre and post-test knowledge scores, n=394

Knowledge Dimension	Pre Test		Post Test		Moon D	7.)/oluo
Knowledge Dimension	Mean	SD	Mean	SD	Mean D	Z Value
General concepts	1.07	0.77	4.32	1.19	3.25	17.07 ^{***£}
Signs and symptoms	1.03	0.86	3.76	0.66	2.73	17.32 ^{***} f
Management by lifestyle modification	1.19	0.90	5.68	0.63	4.49	16.61 ^{***£}
Management by diet modification	0.72	0.84	2.75	0.65	2.03	17.37 ^{***£}
Management by Yoga, breathing and relaxation Technique	0.48	0.52	1.84	0.45	1.36	16.87 ^{***£}
Overall Knowledge	4.49	1.59	18.35	2.3	13.86	t=97.594***

Dimension wise comparison of pre and post-test reported practice scores, n=394

	Pre Test		Post Test			7.)/01.00
Reported practice Dimension	Mean	SD	Mean	SD	Mean D	Z-Value
Practice of lifestyle modification	2.88	0.87	4.99	0.72	2.11	17.27 ^{***£}
Practice of diet modification	3.38	1.12	6.34	1.12	2.96	17.14 ^{***£}
Practice of Yoga, breathing and relaxation technique	2.46	0.94	5.14	0.68	2.68	17.24 ^{***£}
Overall Reported Practice	8.72	2.93	16.47	2.52	7.75	t=75.07***

Correlation, n=394



- ✓ Scores dense between 2 and 6 in the pre-test & in post-test cluster towards 14 and 20.
- ✓ Pre-test 'r' = 0.327 and Post-test 'r'=0.365 showing a positive correlation.

Association, n=394

Chi square test revealed **no significant association** of posttest knowledge and reported practice scores with following baseline variables.

- Age,
- Religion,
- Type of family,
- Number of children,
- Educational status,
- Occupational status,
- Menstrual status,
- Menstrual cycle pattern and
- Menopausal status.

Discussion & Conclusions

- There was a highly significant difference observed in knowledge and reported practice between pre and post-test.
- ✓ A positive correlation was observed which implies as knowledge increased the reported practice also improved.
- ✓ NLEP was found to be very effective in improving the knowledge and reported practice
- No significant association observed between post-test knowledge and reported practice scores with selected baseline variables.
- Basis for Policy Makers : Health promotion and illness prevention Strategies and techniques
- ✓ Currently: No health program for specific health needs of women in midlife.

Nursing Implications

- Provides Evidence for Nurses practicing at Primary Health care setting.
- Study indicates need to strengthen health promotional activities such as Information Education and Communication.
- Foundation for Menopause Education among nurses in India.

Future Directions

- ✓ Women involved in the study at Neraluru village formed a 'Women's Health Club' locally by their own motivation in 2013.
- ✓ Making this NLEP popular among nurses so that they can utilize it for an overall health promotion of midlife women.
- To inspire Nurse administrators in organizing Women's Health Clinics addressing specific health needs and problems of menopausal transition.

References

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- Meeta, Digumatri L, Agarwal N, Vaze N, Shah R, Malik S. Clinical practice guidelines on menopasue: An executive summary and recommendations. Journal of Midlife Health. 2013; 4:77-106

• Prof. A.V.Ramen ; Supervisor & Co-author

• Prof. Pity Kaul; Director School of Health Sciences, IGNOU

• Dr. Mariamma Philip, Bio-Statistician, NIMHANS, Bangalore



sonsny@yahoo.com

Sonia Sunny



Slides for QA

Objectives

Assess	 Pre and post interventional knowledge and reported practice regarding management of menopausal problems among rural women
Compare	 Pre and post interventional knowledge and reported practice regarding management of menopausal problems among rural women
Correlate	 Knowledge with reported practice regarding management of menopausal problems
Associate	 Pre and post interventional knowledge and reported practice regarding management of menopausal problems with selected baseline variables

Hypotheses

H1	 There is a significant difference between pre and post test knowledge score regarding management of menopausal problems among rural women
H2	 There is a significant difference between pre and post interventional reported practice score regarding management of menopausal problems among rural women.
H3	 There is a positive correlation of knowledge and reported practice score regarding management of menopausal problems among rural women
H4	 There is a significant association of post test knowledge score regarding management of menopausal problems with selected base line variables among rural women.
H5	 There is a significant association of post interventional reported practice score regarding management of menopausal problems with selected base line variables among rural women

Research Methodology

Target Population	 All women, residing at Devanahalli Tehsil, Bengaluru rural district, of Karnataka. As per the census data obtained, there were 4754 women in the age group of 45 -55 years
Accessible Population	• 1635 women who were in pre menopause and menopause phase who fulfilled inclusive criteria
Research Design	• Quasi experimental one group pretest – post test design
Sampling Technique and Sample size	 Multistage cluster sampling technique Sample size calculated through power analysis, 100 women from 3 large clusters and 114 from remaining clusters selected. Total sample size 414 women aged 45-55 years
Intervention	 Interventional package included health education on life style and dietary modification. Demonstration of yoga, breathing and relaxation technique
Instruments	 1. Questionnaire to collect demographic data 2. Structured questionnaire to assess knowledge on menopausal problems 3. Structured check list to assess the reported practice on managing menopausal problem 4. Menopause Rating Scale to assess menopausal problems
Analysis and Interpretation	 1. Descriptive statistics-frequency, Percentage, Mean and Standard Deviation 2. Inferential statistics-Paired t' test for comparison, 'r' for correlation-test for assessing relationship and χ2 test for determining association

Sampling Criteria

Sample: Women residing at rural areas of Devanahalli Tehsil aged 45 and 55 years were the sample for the study.

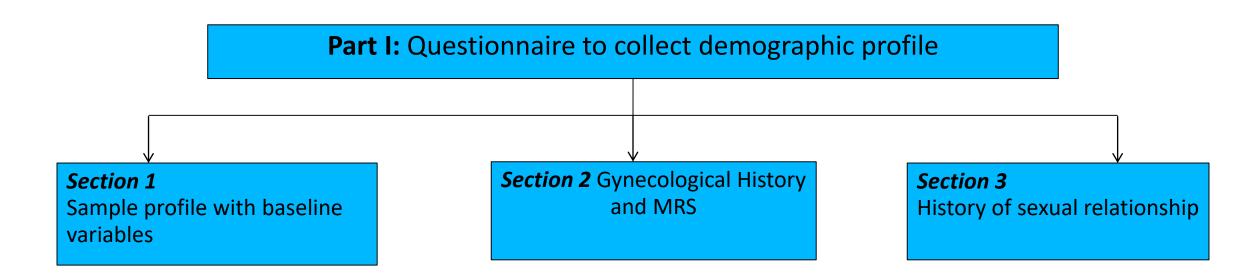
Inclusion criteria

- ✓ Women aged 45-55 years
- Women interested to undergo specific interventions
- Women who could communicate in Kannada or English.

Exclusion criteria

- ✓ Exposed to similar interventions
- Undergoing gynecological treatment
- ✓ Women on treatment for menopausal problems
- Women with hypertension, diabetes, thyroid related disorders

Instruments used



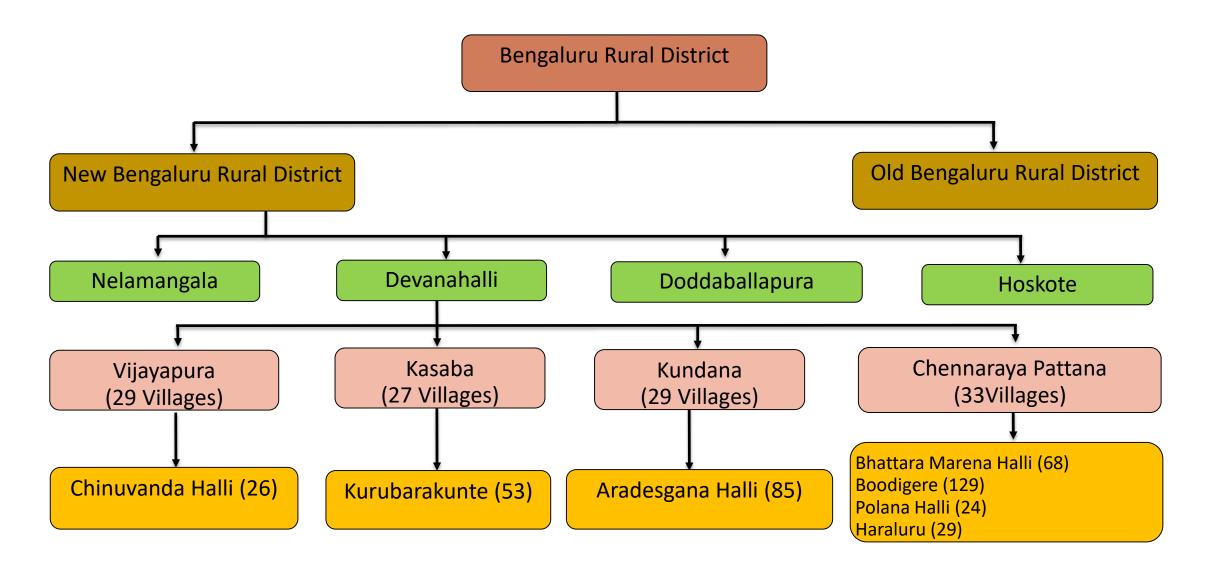
Part II: Structured questionnaire to assess knowledge regarding management of menopausal problems. It included 20 questions. Each question had one correct answer carrying a score of 1.

Part III: Structured checklist to assess reported practice. There were 20 items, each item had 'yes or no' dichotomous question.

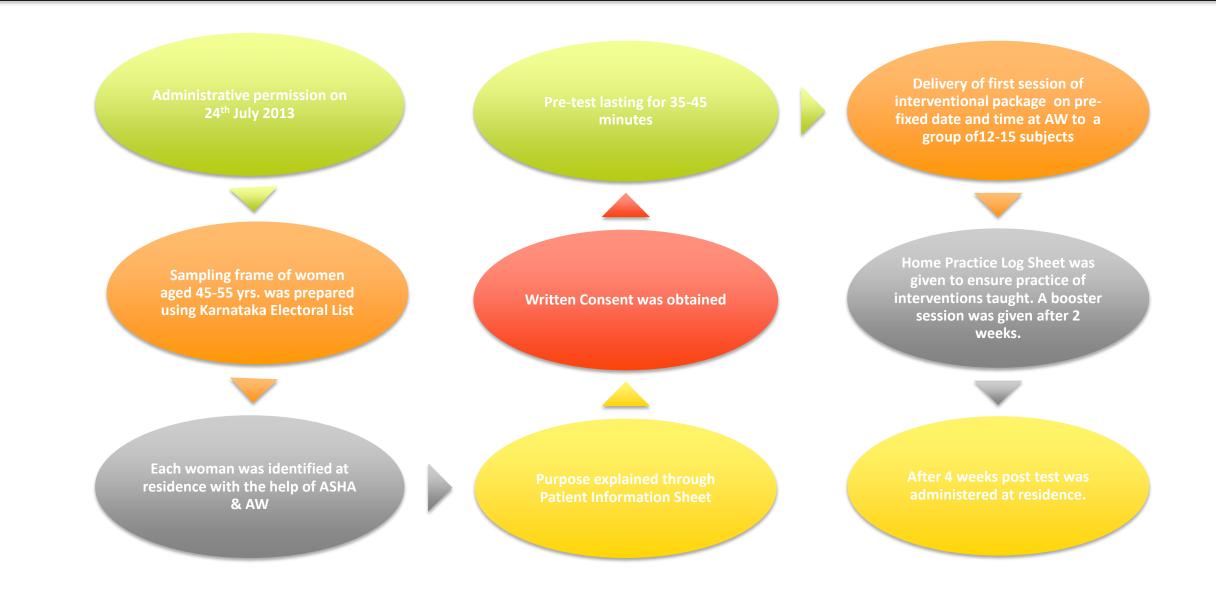
Intervention

	Interventio	nal package				
	Nurse lead health education on Lifestyle modifications	Nurse lead health education on Dietary modifications				
•	Maintain healthy body weight	Protein rich diet				
•	Regular walking as exercise	Calcium rich diet				
•	Pelvic floor muscle training exercise	High fiber diet				
	Yoga with Relaxation and Breathing Technique					
•	Suptha Baddha Konasana					
•	Adhomukha Svanasana					
•	Sarvangasana					
•	Viparitha Karani					
•	Relaxation Technique(Instant Relaxation Technique & Quick Relaxation Technique)					
•	Breathing Technique(Abdominal breathing & Breathing with feeling)					

Sampling Technique



Data Collection Procedure



Intervention Fidelity

