National Family Health Survey
NFHS–3(2005–06)

State Institute Of Health & Family Welfare
Jaipur
Overview

- NFHS-3(2005-06): third in the series
- NFHS-1(1992-93)
- NFHS-2(1998-99)
- Conducted under MOHFW; Nodal agency- IIPS
- Funded by
  - USAID, DFID, The Bill & Melinda Gates Foundation,
  - UNICEF and UNFPA
  - Technical assistance by Macro International
  - HIV assistance : NACO & NARI
  - Fieldwork by 18 Research Organizations/Population Research Centers
- **NFHS-I: 1992-93**
  - 88,562 households
  - 89,777 ever-married women age 13-49 years in 24 states and the National Capital Territory of Delhi

- **NFHS-II: 1998-99**
  - Database for implementation of the Reproductive and Child Health (RCH)
  - 91,000 ever-married women age 15-49 yrs.
  - All 26 states of India

- **NFHS-III: 2005-06**
  - 124,385 women age 15-49 and 74,369 men age 15-54
  - From all 29 states throughout India
  - 102,946 women and men were tested for HIV
Scope of NFHS–3

- Coverage
  - All 29 states covered
  - Slum and non-slum areas of (Chennai, Delhi, Hyderabad, Indore, Kolkata, Meerut, Mumbai, Nagpur)

- Interviewees
  - Women age 15-49
  - Men age 15-54
Biomarkers Measured in NFHS–3

- Height and weight
- Hemoglobin content in the blood to measure anemia
- Collection of blood samples for HIV testing
## Household & Individual Characteristics

Sample for 29 States

<table>
<thead>
<tr>
<th>Category</th>
<th>Number Interviewed</th>
<th>Response Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Households</td>
<td>109,041</td>
<td>97.7</td>
</tr>
<tr>
<td>Women (age 15-49)</td>
<td>124,385</td>
<td>94.5</td>
</tr>
<tr>
<td>Men (age 15-54)</td>
<td>74,369</td>
<td>87.1</td>
</tr>
</tbody>
</table>

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NFHS–3 Finds Some Improvements in the Household Environment Since NFHS–2

- 68% have electricity, up from 60% in NFHS-2
- 88% use an improved source of drinking water
- Only 29% have improved toilet facilities
Fertility, Marriage and Family Planning
Trends in Fertility by Residence

Total Fertility Rate of Rajasthan

- NFHS-1: 3.63
- NFHS-2: 3.78
- NFHS-3: 3.21
Wanted and Actual Fertility Rates

If unwanted fertility is averted TFR will reach replacement level.

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Age at Marriage

Percentage of women age 20-24 married by age 18

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Marital Status

Percent of women age 20-24 married by age 18

<table>
<thead>
<tr>
<th></th>
<th>NFHS-1</th>
<th>NFHS-2</th>
<th>NFHS-3</th>
<th>Urban</th>
<th>Rural</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent</td>
<td>54</td>
<td>50</td>
<td>45</td>
<td>28</td>
<td>53</td>
</tr>
</tbody>
</table>

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Trends in Knowledge of Modern Contraceptive Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>NFHS-1</th>
<th>NFHS-2</th>
<th>NFHS-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female sterilization</td>
<td>95</td>
<td>98</td>
<td>98</td>
</tr>
<tr>
<td>Male sterilization</td>
<td>85</td>
<td>89</td>
<td>83</td>
</tr>
<tr>
<td>Pill</td>
<td>66</td>
<td>80</td>
<td>87</td>
</tr>
<tr>
<td>IUD</td>
<td>61</td>
<td>71</td>
<td>74</td>
</tr>
<tr>
<td>Condom/Nirodh</td>
<td>58</td>
<td>71</td>
<td>76</td>
</tr>
</tbody>
</table>
Knowledge of Modern Methods

Percent of women and men 15-49 aware of family planning methods

- Female
  - Men: 95
  - Women: 97
- Male
  - Men: 79
  - Women: 87
- Condom/Nir.
  - Men: 74
  - Women: 93
- IUD
  - Men: 51
  - Women: 69
- Pill
  - Men: 83
  - Women: 85
- Emergency
  - Men: 20
  - Women: 11

Percent of women and men 15-49 aware of family planning methods

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Percentage use of contraception by married women (15-49) - Total
Desire for No More Children among Women with 2 Children

- **NFHS-1**
  - 2 sons: 72%
  - 1 son & 1 daughter: 66%
  - 2 daughters: 37%

- **NFHS-2**
  - 2 sons: 83%
  - 1 son & 1 daughter: 76%
  - 2 daughters: 47%

- **NFHS-3**
  - 2 sons: 90%
  - 1 son & 1 daughter: 88%
  - 2 daughters: 61%

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Trends in Antenatal Care

ANC visits in Rajasthan

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Percentage women (15-49) who received Full ANC
Maternity Care
(for most recent birth in the last 5 years)

Urban | Rural | Total
---|---|---
3+ANC | 75 | 44 | 52
IFA for 90+days | 35 | 19 | 23
Post natal care within 2 days | 61 | 29 | 37

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Infant Mortality Rate

<table>
<thead>
<tr>
<th></th>
<th>NFHS-1</th>
<th>NFHS-2</th>
<th>NFHS-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban</td>
<td>56</td>
<td>47</td>
<td>42</td>
</tr>
<tr>
<td>Rural</td>
<td>85</td>
<td>73</td>
<td>62</td>
</tr>
<tr>
<td>Total</td>
<td>79</td>
<td>68</td>
<td>57</td>
</tr>
</tbody>
</table>

IMR of Rajasthan

<table>
<thead>
<tr>
<th></th>
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<th>NFHS-2</th>
<th>NFHS-3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>72.6</td>
<td>80.4</td>
<td>63</td>
</tr>
</tbody>
</table>

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Immunization and Child Health

Child Immunization Trends

Percent of children age 12-23 months vaccinated

- BCG
- Polio 3
- DPT 3
- Measles
- All Vaccines

- NFHS-1
- NFHS-2
- NFHS-3

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% of children age 12-23 months who received Measles vaccines at any time before the survey
Trends in Child Nutritional Status

Percent of children age under 3 years

<table>
<thead>
<tr>
<th>Status</th>
<th>NFHS-3</th>
<th>NFHS-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stunted (Low-height-for-age)</td>
<td>51</td>
<td>45</td>
</tr>
<tr>
<td>Wasted (Low-weight-for-height)</td>
<td>20</td>
<td>23</td>
</tr>
<tr>
<td>Under weight (Low-weight-for-age)</td>
<td>43</td>
<td>40</td>
</tr>
</tbody>
</table>

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Malnutrition of Women by Residence and Education

Percent of women age 15-49

- Total: 13% Underweight, 36% Overweight
- Urban: 7% Underweight, 24% Overweight
- Rural: 41% Underweight, 42% Overweight
- No education: 7% Underweight, 13% Overweight
- <8 years: 13% Underweight, 35% Overweight
- 8-9 years: 14% Underweight, 35% Overweight
- 10+ years: 21% Underweight, 25% Overweight
- NFHS-2 total: 11% Underweight, 36% Overweight

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Malnutrition of Men by Residence and Education

Percent of men age 15-49

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HIV Knowledge, Behavior and Prevalence

Percent of women and men age 15-49 who have heard of AIDS

AIDS Awareness

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Percentage of women age (15-49) who have heard of AIDS

**Indicators**
- **34 - 50**
- **50 - 70**
- **70 - 85**
- **85 - 98.5**

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Percentage of men age (15-49) who have heard of AIDS
Most Adults Support Family Life Education in Schools

- 63% women and 81% men think that information about HIV/AIDS should be taught in schools to both boys and girls.
- More than 40% of women and 60% of men are in favor of teaching about sexual behavior and condom use to avoid sexually transmitted diseases.
- Adults are less likely to favor teaching about contraception than about HIV/AIDS.
Coverage of HIV Testing

- % of eligible women age 15-49 and men age 15-54 whose blood was tested for HIV
  - Women: 85 percent
  - Men: 78 percent
- Response rates are comparable to HIV test on national household surveys worldwide
HIV Prevalence

- Based on HIV tests of 102,946 blood samples-
  - (52,853 from de facto women age 15-49 +
    - 50,093 from de facto men age 15-54)
- 60% higher among males than females and
  - 40% higher in urban than rural (by Residence and Sex, India)
Summary and Highlights

- Improvements seen in child survival
- Fertility continues to decline
  - Urban women
    - reached replacement level fertility
  - rural women
    - an average of three children
- First time more than half of currently married women are using a contraceptive method
Steady decline in the proportion of women age 20-24 marrying before the legal minimum age of marriage

Improvements in ANC, ID, & assistance at delivery by a health professional, but the changes over time have been slow

Immunization coverage has improved for all vaccines except DPT
Full immunization coverage has not changed much in the last 7 years.

Under nutrition and anemia among children remain major challenges.

Adults suffer a dual burden of under nutrition and over nutrition.

HIV prevalence of men and women age 15-49 is 0.28%.
Thank You

For more details log on to www.sihfwrajasthan.com or contact: Director-SIHFW on

sihfwraj@yahoo.co.in