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Selected DHS data on 10–14-year-olds: Madagascar

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Selected DHS Data on 10-14-year-olds / Madagascar

Preface

Several years ago the Population Council produced special tabulations for 47 countries that provided a broad map of the living circumstances, schooling, marital status, reproductive health knowledge and behavior, and work experiences of adolescent boys and girls 10-19 years old. These tables drew on three Demographic and Health Survey sources: the household survey, the survey of girls and women of reproductive age, and, where available, parallel studies of boys and men of reproductive age. In these reports (entitled "Facts About Adolescents from the Demographic and Health Survey"), data on 10-14-year-olds are arrayed alongside data on 15-19-year-olds, which we believe is the ideal presentation of such data.

More recently, there has been a demand by program and policy audiences to separate out the relatively scarce data which exists on 10-14-year-olds from the 15-19-year-old cohort in an effort to make them user-friendly for program planning exercises. We have responded to this request by preparing separate data sheets which include the variables of the original tables in addition to several new ones. For example, special effort has been expended to explore the presence of 10-14-year-olds in potentially protective structures — families and schools — by cross-tabulating the presence of 10-14-year-olds in different kinds of living arrangements with school enrollment.

While early adolescence, for many, may be marked by relative good health and stable family circumstances, it can also be a period of vulnerability and intense transition. 10-14-year-olds progress from being clearly "children" at age 10, through the onset of puberty, to being perceived in some societies — in the case of girls — as "young women" ready for sexual relations, marriage, and childbearing, and — in the case of boys — as "young men" ready to help support their families and even serve in the military. Young adolescents are more likely than older adolescents to be in residence with parents and in school; however, their absence from school or lack of parental support (e.g., a surprisingly high proportion of 10-14-year-olds live with one or neither parent in many parts of sub-Saharan Africa) may be cause for concern. While some of these young people not residing with parents may be with their extended family, or in positive fostering or protective living arrangements, it is plausible that many are vulnerable to sexual exploitation, unsafe work, and substance abuse.

A new generation of research and interventions directed at the 10-14-year-old age group is urgently needed. Diagnostic work must define the key transitions and specify capacities, risks, and opportunities by age, gender, schooling, and marital status at the very least. The five-year cohort of 10-14-year-olds homogenizes too much of early adolescence and its rapid transitions. As research progresses, a more detailed picture of thresholds of change will emerge — it is possible that the fortunes of adolescents are determined not in five-year blocks, but rather in six-month, one-year, or three-year blocks, depending on the context. Collecting reliable data on young adolescents,

either from them or from intermediaries, is a considerable challenge. Some question the quality of data collected directly from very young adolescents, preferring to rely on retrospective reporting from older age cohorts. Moreover, there are important ethical considerations surrounding consent and parental permission to interview young people. Although we recognize and acknowledge these dilemmas, we contend that new data-gathering approaches, tools, and methodologies are warranted.

We must include questions concerning the social significance of puberty and how it shapes the ways in which young boys and girls think about themselves and how they are perceived by families and communities. Young people's perceptions and experience of their sexuality and gender roles are also key subjects to explore. Finally, we must include questions surrounding marriage, as a decreasing but significant proportion of girls in some regions are married or are altering important life patterns — schooling, types of work, mobility — on the premise that they will marry by age 18. An early transition to marriage may make girls particularly vulnerable in settings where the HIV epidemic is underway and spousal age difference is high. We must learn more about the marriage process, including mate selection, extent of young people's input, timing considerations, and the engagement period. Critical gaps remain in our knowledge of sexual consummation and expectations within early marriage, and the social and health impact of marriage on young people, particularly girls.¹

The good news is that because of their age, young adolescents, even those in precarious circumstances, are resilient and flexible. Much can be done to remedy their situations before the architecture of their later life becomes set. Some of the young people we are most concerned about — those without parental support and not in school — may need to have their living situations stabilized before schooling, livelihoods or health interventions will be effective. To this end, creating safe spaces such as girls' clubs, boys' clubs, and hostels for street children may prove to be a lifeline.

In reviewing these data on very young adolescents, what we mainly know is that we don't know very much. We urge caution in attributing more significance to these data than is warranted at this time and believe they are best understood in comparison to other age cohorts. Overall, we believe that efforts to supplement the DHS with other data sources are needed to get a broader picture of the lives of 10-14-year-olds. We hope that researchers will foster a new wave of quantitative and qualitative inquiry into the lives of this age group. And we further hope that their partners — policymakers and service providers — will draw on this information to develop a new generation of programs designed to protect and support adolescents, assisting them in making a safe and successful transition to adulthood.

Martha Brady, Judith Bruce, Erica Chong

¹ The forthcoming National Academy of Sciences panel report on the transition to adulthood in developing countries explores many of these issues with cross-cultural data; it will be available from the Academy by the end of 2003. Currently available is an article on some of the marital dimensions of interest by Barbara Mensch, Susheela Singh, and John Casterline entitled "Trends in the timing of first marriage among men and women in the developing world." (This paper was presented at the Population Association of America's May 2003 meeting in Minneapolis.)

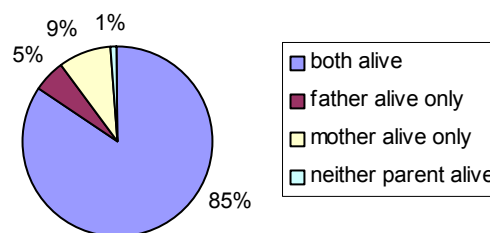
1. Urban-rural residence and population distribution

	Percent distribution			Age group as percent of total population
	Urban	Rural	Total	
Girls	23.9	76.1	100.0	6.1
Boys	24.5	75.5	100.0	6.3

- Three-fourths of adolescents 10-14 years old live in rural areas.
- 10-14-year-olds comprise 12% of the country's total population.

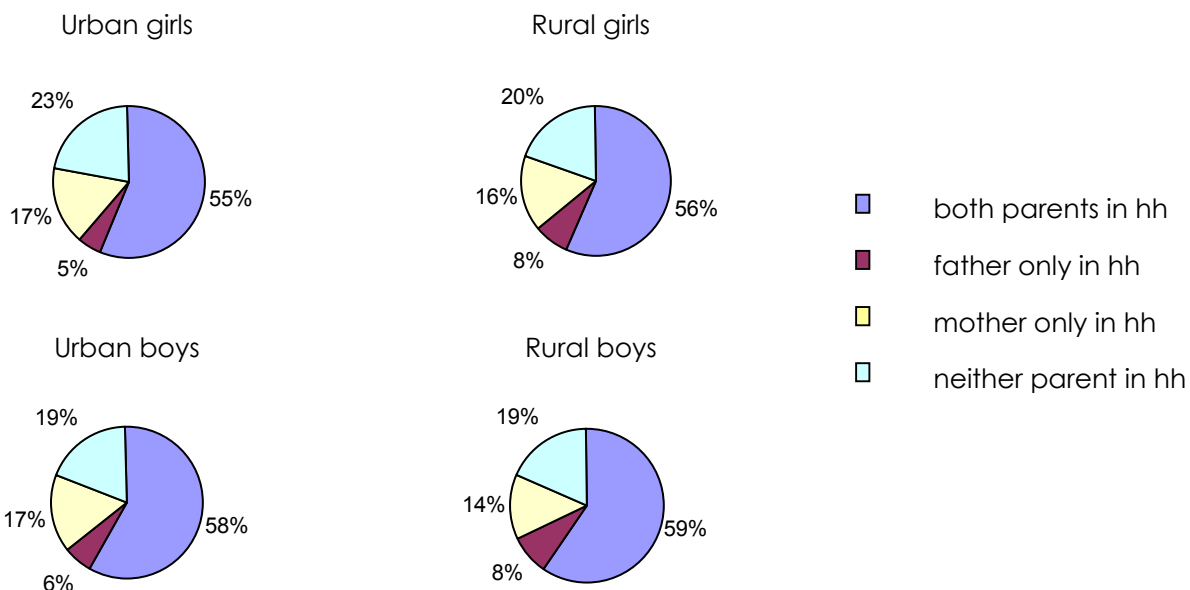
2. Parental survival status

- Eighty-five percent of young adolescents have both parents living.
- One out of ten 10-14-year-olds has a deceased father.



3. Parents resident in household (hh) by place of residence and sex

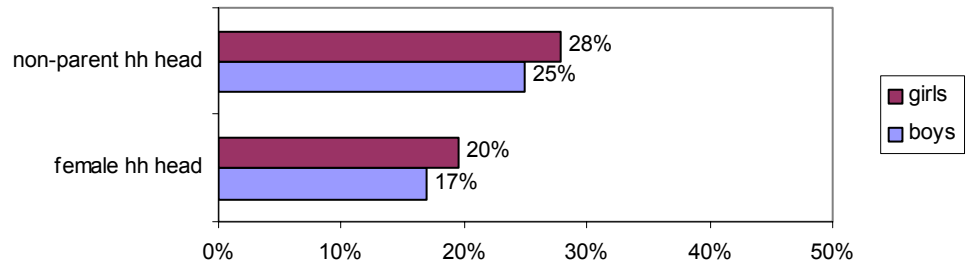
- More than four out of ten adolescents 10-14 years old do not live with both parents.
- Around one-sixth of young adolescents live with only their mother, and roughly one-fifth live with neither parent.



4. Characteristics of household head

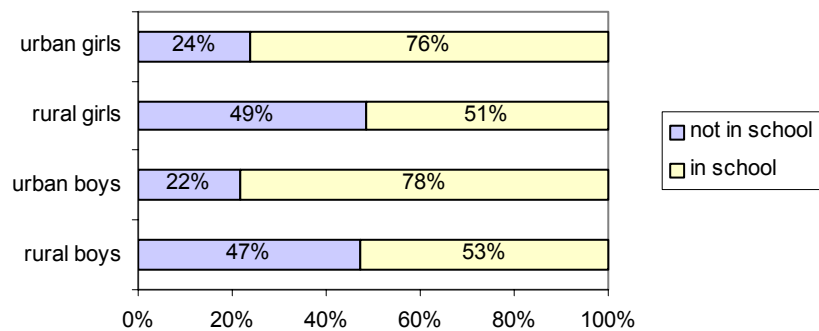
Note that if an adolescent has a non-parent household head, it cannot be inferred that a parent is or is not residing in the household. Similarly, if a female is household head, there may or may not be an adult male present in the household.

- Over one-fourth of adolescents 10-14 years old live in households headed by someone other than a parent.
- Nearly one-fifth of young adolescents live in female-headed households.



5. Educational enrollment

- Enrollment patterns are similar for boys and girls 10-14 years old in both urban and rural areas.
- About half of rural 10-14-year-olds are not enrolled in school.
- Urban adolescents are much more likely than rural adolescents to be in school.



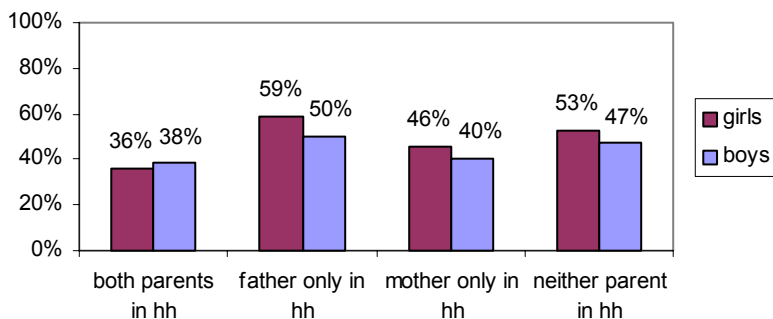
6. Distribution of girls and boys by living arrangements and school enrollment (percent)

Living arrangements	Girls			Boys		
	Not in school	In school	% of total	Not in school	In school	% of total
Both parents in hh	20.3	35.6	55.9	22.5	36.4	58.9
Father only in hh	4.2	2.9	7.1	3.8	3.9	7.7
Mother only in hh	7.6	9.0	16.6	5.9	8.7	14.6
Neither parent in hh	10.8	9.7	20.5	8.9	9.9	18.8
Total	42.9	57.2	100.0	41.1	58.9	100.0

This table maps the distribution of girls and boys by living arrangement and school enrollment, calculating what percentage of all girls or all boys each subgroup comprises.

7. Girls and boys not enrolled in school, by living arrangements (percent not enrolled)

- Adolescents aged 10-14 living with both parents are the group most likely to be in school, compared to adolescents in other living arrangements.
- Nearly six out of ten girls living with only their father are not in school.



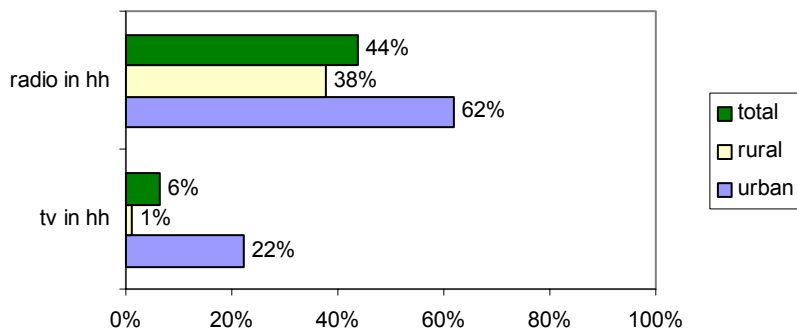
8. Girls' retrospective reporting of age at first intercourse, marriage, and first birth

Age group	% who had intercourse before age 15		% who married before age 15	% who gave birth before age 15
	Premarital	Marital		
15-19	11.0	8.5	11.5	6.1
20-24	10.7	9.2	12.5	7.5
25-29	10.2	9.2	13.5	7.0

- One out of five 15-19-year-old girls reported having intercourse by her 15th birthday.
- The percentage of girls having intercourse before age 15 is similar across the three age cohorts.
- The majority of sexual activity in early adolescence is premarital.
- Six percent of girls aged 15-19 reported giving birth before age 15.

9. Media exposure, as measured by household ownership

- Six percent of young adolescents live in a household that has a television, and 44% live in a household that has a radio.
- Urban adolescents are significantly more likely than rural adolescents to have a television or a radio in their home.



Technical notes: All tables are calculated from data collected for the 1997 Madagascar Demographic and Health Survey (DHS), conducted by the Direction de la Démographie et des Statistiques Sociales, Institut National de la Statistique, and Macro International, Inc. The Madagascar DHS surveyed a nationally representative sample of 7,171 households. The statistics presented in Tables 1-7 and 9 are based on information provided by a senior household member on 2,256 boys and 2,193 girls between ages 10 and 14. The calculations for Table 8 are based on an individual questionnaire that was applied to 15-19-year-olds (N=1,553), 20-24-year-olds (N=1,325), and 25-29-year-olds (N=1,196).