

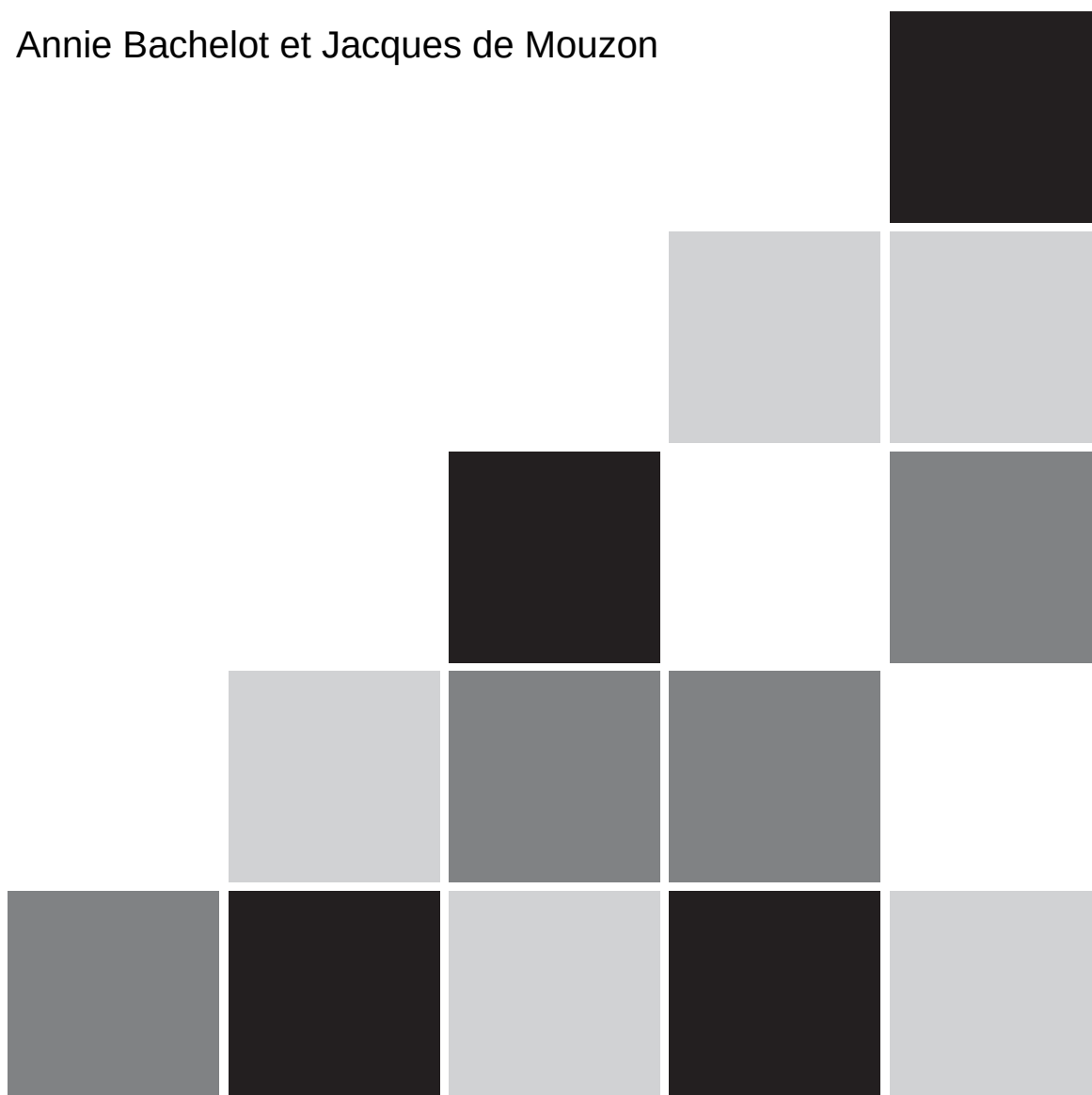
142

2007

DOCUMENTS DE TRAVAIL

DONNEES DE L'ENQUÊTE CARACTERISTIQUES DES COUPLES DEMANDANT UNE FECONDATION IN VITRO EN FRANCE

Annie Bachelot et Jacques de Mouzon



DONNEES DE L'ENQUETE

**“CARACTERISTIQUES DES COUPLES DEMANDANT UNE
FECONDATION IN VITRO
EN FRANCE”**

Annie Bachelot et Jacques de Mouzon
(INSERM-INED)

INSTITUT NATIONAL D'ETUDES DEMOGRAPHIQUES
133 boulevard Davout, 75980 Paris cedex 20
Tél : 33 (0) 1 56 06 00 00 –Fax : 33 (0) 1 56 06 21 99
<http://www.ined.fr>

NOTE AUX LECTEURS

Ce document présente les résultats d'une enquête multicentrique menée en 1995 dans 52 centres de fécondation in vitro (FIV) en France, auprès de 4 902 couples volontaires dont une partie consultait pour un bilan d'infécondité tandis que d'autres étaient déjà inclus dans un programme de FIV. Pour cette analyse, seuls les couples participant à un programme de fécondation *in vitro* (2 104) ont été retenus.

Ce travail a été mené distinctement du recueil annuel des données de l'enquête nationale FIVNAT, coordonné par la même équipe de recherche de l'INSERM.

Il devait permettre de mieux connaître à la fois les principales caractéristiques socio-démographiques des couples concernés et leurs attitudes vis-à-vis des traitements proposés, ainsi que des risques qui y sont associés, comme les naissances multiples. Alors que l'enquête FIVNAT collecte pour chaque tentative de FIV des données médicales, cette enquête s'appuie sur les déclarations d'un large échantillon de femmes afin d'explorer leurs attentes et les démarches qu'elles entreprennent pour mener à bien leur projet d'enfant.

SOCIO-DEMOGRAPHIC CHARACTERISTICS AND EXPECTATIONS OF COUPLES DEMANDING *IN VITRO* FERTILISATION

A. Bachelot, J. de Mouzon
Unité INSERM-INED 822
Hôpital de Bicêtre,
82, rue du Général Leclerc
94276 Le Kremlin-Bicêtre Cedex
France
bachelot@vjf.inserm.fr

key words : infertility, in vitro fertilisation, socio-demographic, attitudes towards risks

ABSTRACT

The aim of the study was to analyze the socio-demographic status and the attitudes of couples demanding in vitro fertilisation (IVF) in France.

This transversal study was conducted in 52 IVF centres during two months. A self-administered questionnaire was filled in by all women volunteers participating in an IVF programme. In total 2104 women were included.

The couples in IVF had a better educational level and socio-economic level than the general population in France. Women reported negative effects of infertility and infertility treatment on their social, affective and sex lives. The relationship between the main socio-demographic variables and attitudes towards desire for a pregnancy, adoption, and freezing embryos was analyzed.

Our results show that although the socio-economic level of the population attending IVF centres is higher than that of the general population, patients of lower-economic status nonetheless have access to IVF in France. However a better knowledge of the infertile couples' characteristics and attitudes towards IVF could help to facilitate the access.

INTRODUCTION

In Vitro Fertilization treatment has greatly increased from 6000 in 1986 to over 20,000 in 2001, with more than 45,000 egg collection procedures carried out in 2001 (FIVNAT, 2003). We still know little about the socio-demographic status of the French couples concerned and their expectations. How do they represent their desire to have a child? How do they come to the decision to commit themselves to this approach? How do they estimate the risks of IVF? Nothing has been established in France with a large sample and data collection by a large number of centres, concerning the characteristics of couples who actually undergo the procedure. However, such data seem to be indispensable, in terms of Public Health, to determine who benefits from these treatments and to evaluate changes in couples' demands.

Few studies have tended to determine the psychological and psychosocial characteristics of infertile couples (Christie, 1998; Oddens *et al.*, 1999). More recently Wischmann *et al.* (2001) considered the motives for wanting a child, life satisfaction and couples relationships, physical and psychic complains : no typical profile for infertile couples seems exist, except depression and anxiety for infertile women. The ability of the couples to adapt to infertility and their need for psychological support have been studied also (Edelmann and Connolly, 1989; van Balen, 1994). Fertile and infertile couples have been compared. For example, Bromham *et al.* (1989) conducted a psychometric evaluation of four couples' groups : fertile delivered, infertile pregnant, undelivered and infertile not conceived. Fassino *et al.* (2002) showed differences regarding to anxiety, depression and anger suppression between "organic" and "functional" infertile subjects and fertile controls. Stoleru *et al* (1993) studied

couples before a pregnancy to determine the psychological factors as predictors of the couples' fertility in men and in women.

Regarding to the IVF procedure, Visser (1994) has described anxiety and psychosocial state before and after IVF among 150 women with a specific IVF questionnaire and existing tests : the treatment outcome had no influence on attitude towards IVF. Boivin *et al.* (1998) studied the emotional, physical and social reactions of couples undergoing IVF or ICSI, mainly determined by the uncertainty of treatment procedures. Whereas other studies have tried to show the effects of psychological factors on the outcome of attempts, as the level of stress (Klonoff-Cohen *et al.*, 2001), the levels of anxiety, of depression and the project to conceive a child (Stoleru *et al.*, 1997), the coping style and the depression level (Demyttenaere *et al.*, 1988). Such factors could also help to predict possible reactions in case of failure, to improve the couples' well-being (Newton *et al.*, 1990; Hammarberg *et al.*, 2001).

The influence of socio-demographic data themselves has less often been taken in account. Bostoffe *et al.* (1985) compared the results of a semen analysis of 691 couples examined for infertility during 1950-52 with their socio-economic class. The authors concluded that the better fertility prognosis of couples of higher socio-economic classes could not be explained by a difference in semen quality of the men, but may indicate that women of lower classes could suffer from more severe gynaecological diseases. Tain (2001) studied two cohorts of 86 infertile French women included in 1987 and 254 infertile women included in 1991 in one hospital. She described the couples' planning and showed effects of the socio-demographic variables such the women's occupation on going again or stopping the IVF procedure.

In this work, we aimed to study the socio-demographic characteristics of couples enrolled in IVF programmes and to analyse possible relationships between these characteristics and the couples' expectations and perception of their experience.

METHODS

This transversal study took place between January 15th and March 15th 1995 in 52 IVF centres. At these centres, all women volunteers undergoing IVF treatment were included in this study.

All the patients treated by the centre during this period received a letter explaining the study and were asked to complete an anonymous self-administered questionnaire. This closed-item questionnaire included detailed questions on the couples' socio-demographic and economic status, religion, the influence of friends and family on the decision to seek IVF treatment, obstetric history, type of infertility and its cause, if known, and the medical pathway taken. Questions concerned the couples' perception of the examinations and treatments received since they began consulting for infertility, and their consequences for the couples' professional, social, affective and sex lives, on the nature of their desire to have a child, on their opinions concerning the risk of multiple pregnancies, the freezing of embryos and adoption. The understanding of the questionnaire has been verified and agreed. The questions have not been standardised because they recovered very different areas of research.

To maintain strict anonymity, the forms were placed in an envelope addressed to the research team, sealed by the patient herself, to ensure that the medical team was not aware of the information relating to a particular patient. This envelope was given to the gynaecologist, who also filled in an anonymous form, giving details of the diagnosis of infertility, its cause, the decisions taken and the type of consultation (simple consultation for infertility or follow-up for IVF). The completed dossier was sent to INSERM U822 for data analysis.

A total of 4902 questionnaires were completed, and 4035 medical files were obtained, 867 dossiers remaining incomplete. From the 4035 complete dossiers, forty-nine dossiers did

not specify the reasons for the consultation and 125 couples were already undergoing another type of treatment for infertility

(induction of ovulation, artificial insemination with spouse's or donor's semen). We included in this analysis 2104 couples participating in an IVF programme, either waiting for an attempt (i.e. before monitoring; n=1061), or currently undergoing IVF (n=1043). We did not include in this analysis the 1757 couples consulting for infertility with a view to undergoing assisted reproduction techniques.

To estimate the participation rate, the number of questionnaires completed by couples currently undergoing IVF was compared to the number of IVF attempts declared to the French national survey FIVNAT, by these 52 centres (the same centers declared 4073 attempts for the same period -january to march 1995): the couples accounted for 51.3% of the IVF attempts recorded by the FIVNAT register.

All the questionnaires were sent to the research unit 822 of French National Institute of Research on Health (INSERM). The forms were controlled and entered on a computer (CRI, INSERM, Villejuif, France). Data were validated and analysed with SAS software. The statistical tests used were the chi-square test or analysis of variance (ANOVA), according to the qualitative or quantitative type of variable. The characteristics studied were analysed descriptively and comparisons were made between women and men enrolled in IVF programmes and women and men of the French population. These comparisons were made with French socio-demographic data collected by the INSEE (Institut National de la Statistique et des Etudes Economiques): "La France en faits et chiffres" the annual estimation of population on January 1st, by region, sex, and age (1990-2005), the 1990 Population census (INSEE, 1993), the 1990 and 1991 Employment surveys and the 1991-1992 INSEE Financial survey, concerning the income and heritage of households (INSEE, 1996), taking age class into account as far as possible.

RESULTS

I. SOCIO-DEMOGRAPHIC CHARACTERISTICS

The Table 1 presents the main characteristics of the women : age, religious practice, family status, nationality, unit of residence.

The mean age of the women in the sample was 33.4 ± 5.0 years, and that of the men was 35.3 ± 5.8 years. A proportion of 59.9% of the women were in the under 35 year age group, 30.4% were in the 35-39 year age group and 9.6% in the over 39 year age group.

In the sample, 77.1 percent of the couples were married, exceeding the national rate of 60.1% of women between 20 and 49 years married, and 22.1% were cohabiting. The mean duration of existence of the current couple was 8.2 ± 4.9 years. Although 40.4% of the women declared that they had previously lived in a couple, this was the case for only 25.6 % of men.

The number of members of the household was 2.3 ± 0.82 and the number of children, including those from other relationships was 0.4 ± 0.8 .

Of the women questioned, 93.7% were of French nationality, close to the percentage for the women of the same age in the general population (93.5%).

Of the sample, only 12.7% of women and 13.9% of men claimed to have received no religious instruction. The distribution of the various religions among the women was 78.8% catholics, 2.6% protestants, 0.9% jews, 4.0% muslims and 1.0% others. The believers were 74.4%, and 12.4% were practising. Among the men, 77.2% were catholics, 2.7% protestants, 1.4% jews, 4.0% muslims, and 0.8% others. The believers were 65.7% and 10.8 % were practising. Overall, men seemed to attach less importance to religion than their partners.

More of the couples in the sample than the national average (Insee, 1993) came from small or medium-sized towns (between 5,000 and 100,000 inhabitants) when considering women aged 20 to 49 years. Less of the couples in the sample came from large cities over 100,000 inhabitants (20.4% vs 29.3%).

The distance between the couple's home and the specialised centre was less 10 kms for 25.1%, between 10 and 49 kms for 33.4%, between 50 and 99 kms for 21.8%, and over 100 km for 19.7% of the IVF couples.

The level of education of the woman (Table 2) was higher than that in the general population: the percentages of women who had received a university education (31.5% vs 18.0%), who remained in education until the age of 18 (21.5% vs 15.2%) or even 16 (17.2% vs 8.3%) were considerably higher. On the opposite, couples with low technical education, and with primary education only were considerably less numerous (16.4% vs 15.3% and 7.4% vs. 33.3%, respectively).

The percentage of working women (74.5%) was close to that recorded by the INSEE for women between 20 and 49 years (72.3%); 12.4% of women and 5.1% of men in the sample were unemployed.

The socio-professional category of the couple, determined by the status of the head of the family, was higher than the national average (Table 2). The percentages of senior executives and self-employed individuals was slightly higher (16.1% vs. 14.8%), and the percentage of employees was quite higher than the national average (26.9% vs. 11.3%) whereas the percentage of manual workers was lower (28.6% vs. 39.1%).

Only 1976 couples answered to the question about annual income (Table 2). The percentages of couples with the highest annual incomes (over 45,000 €), couples with above-average incomes (30,000 € to 45,000 €), and couples with average incomes (15,000€ to 30,000€) were higher than in the general population (8.7% vs 6.3%, 20.7% vs 11.6% and

40.8% vs 38.2%, respectively). The lowest income (less than 15,000€) was more frequent in the general population (44.0% vs 29.8%). Thus, the IVF couples seemed to have higher incomes than these in the French population, nevertheless the main difference did not concern the highest incomes.

Almost all the women (93.2%) in our sample had medical insurance, and 6.3% were covered by their partner's medical insurance.

In summary, this sample of couples receiving treatment at specialist infertility centres, differed from the French general population in several socio-economic aspects, such as the size of town in which they lived, level of education, socio-professional category and annual income.

But the differences about socio-professional level and annual income were less important for the highest categories than for the lowest.

II. ACCESS TO IVF PROCEDURE

In the sample 79.6% of the couples said they had difficulties to have a child for the first time. For this attempt, they had already consulted one or several general practitioner (in 35.6%), one or several gynaecologists (in 83.5%), one or more gynaecological unit (in 59.6%).

III COUPLES' ATTITUDES TO IVF AND INFERTILITY TREATMENT

We investigated the perception and judgement of the couples concerning the effects of infertility and infertility treatment on their professional, social, affective and sex lives.

To the question "Had your infertility problem repercussions on your professional life?" the effects most frequently reported by the women were prolonged or frequent periods of absence (33.9%) and changes in working hours (16.4%), moving to part-time working for example. Other answers are less frequent such as job changes (3.1%), availability (7.8%), resignation (2.9%) or redundancy (2.8%) due to the follow-up of infertility treatment.

Infertility and its treatment may disrupt the social, affective and sex lives of patients. Answering to the question "Had your infertility problem repercussions on your social, affective and sex life?" the number of women complaining about negative effects was relatively high (38.9%).

A question asked for psychological counselling need : "In case of IVF, did you consult a psychologist or a psychiatric specialist ?" Only 13.6% answered yes.

Evaluation of the risks associated with IVF was explored with several questions.

"Did you hear about the possibility of getting a multiple pregnancy? " : IVF couples were well prepared for this eventuality because 96.1% had been warned of the possibility of multiple pregnancy.

Then they were asked if "they would accept twins or triplets". As far as the possibility of multiple pregnancies was concerned, IVF couples were very numerous to accept twins (98.6%) and even triplets (60.5%).

Finally they were asked if "they would agree with the idea of freezing embryos". IVF couples were also quite open to such a possibility (91.6%).

The couples were asked about adoption "Do you envisage to take the steps for an adoption in case of failure of your infertility treatment ?". The proportion of couples that would consider adoption if infertility treatment failed was 41.9%. However, few IVF couples (10.7%) had actually started the adoption process.

The demands for treatment of the infertile couples corresponded to four main dimensions explored by the questionnaire. The question was "Could you say to us what is the best corresponding with your request ?". Of the women questioned, 72.2% stated that they sought treatment principally because they wanted to found or enlarge a family, 20.6% wanted to see their own child grow up, 6.6% wanted to feel pregnant and give birth and only 0.7% wanted a baby to save their relationship

Another question asked "Whom in the couple desired the most that pregnancy" (the woman, her husband or both?). Most of the sample (92.3%) stated that both partners shared the desire to have a child, a low percentage of women wished to fulfil their individual desire (6.7%), almost non-existent among men (1.1%).

Further question explored the influences felt by the couples: "Have you been influenced by your circle to have a child , and to seek IVF ?"

Few women (8.1%) admitted that their friends and relatives had influenced their decision to have a child. Quite a few (14.7%) felt that their decision to seek IVF treatment had been influenced by their friends and family. Of those encouraged to seek IVF, 66.3% were encouraged by their partner, 9.3% by their family and 24.4% by their friends, colleagues or other people.

IV. RELATIONSHIP BETWEEN THE MAIN SOCIO-DEMOGRAPHIC VARIABLES AND ATTITUDES TOWARDS IVF AND EXPERIENCE OF TREATMENTS.

a) attitudes towards IVF

Can socio-demographic characteristics such as the age of the woman, the income, the highest level of education of the couple and the religious practice have a significant influence on attitudes to IVF?

- The desire for a pregnancy (Table 3) was mostly a desire of the couple rather than a personal desire, particularly in younger women, in couples with lower incomes and with low educational levels. It was independent of religion.
- Adoption was more frequently considered (Table 4) if the woman was younger (44.3% in women under 30 years and 35.3% in women aged 40 or over, $p<0.05$), if the income was higher (from 32.2% for an income $< 9\ 000\text{€}$ to 54.2% for an income $> 45\ 000\text{€}$, $p=0.001$) and if educational level of the couple was higher (from 32.7% for a primary education to 49.8% for university education, $p=0.001$). No relationship with religion was observed.
- The freezing of embryos (Table 5) was more likely to be accepted by younger women (94.4% in women under 30 years and 89.0% in women aged 40 or over, $p<0.05$), and by women without religious beliefs (92.3.1% vs. 89.5%, $p<0.01$). No relationship was observed with the income or level of education of the couple.
- The possibility of having triplets (Table 6) was more likely to be accepted by the youngest women (61.9% in women under 30 years) or by the oldest (62.6% in women aged 40 or over), by women practising a religion (68.8% vs 59.6%, $p<0.01$), by those

with a low income (from 70.5% for an income < 9 000€ to 56.1% for an income > 45 000€, $p < 0.05$), and by those with a low educational level (from 65.5% for a primary education to 58.2% for university education, $p = 0.01$).

- Perception of the negative effects of infertility on the social, affective and sex lives of women (Table 7) was more frequent for higher income (from 50.3% for an income of >45,000€ to 30.0% for an income of <9,000€, $p = 0.001$, and for higher educational level of the couple (from 47.9% for university education to 29.7% for a primary education, $p = 0.001$). These were the more likely couples to complain. On the opposite, age and religious practice did not appear to be linked to this attitude.
- The results were similar for men (Table 8). Men complained of these negative effects more if the couple's income was in the highest category (from 21.0% for an income of <9,000€, to 32.9% for an income of >45,000€, $p = 0.01$), and if the couple's educational level was high (from 32.8% for university education to 18.0% for a primary education, $p = 0.001$).

-

b) experience of treatments

The women in the sample were not necessarily given the same treatment, their perception of the examinations and patient management cannot but differ. However, it is interesting to study this perception as a function of socio-demographic variables, such as age, income, and highest educational level of the couple.

Egg collection was considered as the most difficult to be tolerated by 49.6% of women, followed by injections for 24.3%, blood sampling for 14.9%, and the ultrasound scans for 5.5%.

We observed no link between the age, income and level of education of the couple and finding ultrasound or injections difficult to tolerate. Conversely, blood sampling (Table 9) was less frequently well tolerated by older patients (from 20.9% in 40 year old women to 12.5% in 30 year old women, $p=0.06$), by couples with lower incomes (from 18.9% with an income of $<15,000\text{€}$ to 11.9% for an income of $>45,000\text{€}$, $p<0.01$) or with lower educational level (from 17.2% for a primary level to 12.5% for university level, $p=0.06$).

Difficulties in accepting egg collection were not linked to age, income or educational level.

Almost two thirds (65.3%) of women in the sample ($n=1205$) considered that they had to go too often to the centre for examinations or treatment. Age did not seem to be linked to this attitude. This view was more frequent for low level of education (from 70.0% for a primary level to 61.7% for a university level education, $p<0.01$) and for low income (from 67.5% with an income $<15,000\text{€}$ to 60.2% for an income $>45,000\text{€}$, $p<0.05$).

Psychological support (psychologist or psychiatrist) accompanying medical follow up (Table 10) was not seen as useful by 30.1% of the women, 60.2% thought that it should only be proposed in certain cases, and only 9.8% thought it should be systematically offered. This attitude was not significantly related to women's age, but with socio-economical conditions. Women with lower incomes thought more often that psychological support was not necessary (from 38.5% for an income of $<15,000\text{€}$ to 22.2% for an income of $>45,000\text{€}$, $p<0.001$). The same view was also more likely to be held by women in couples with a low educational level (from 41.0% for a primary level to 20.9% for a university level, $p<0.001$). A high socio-economic level seems to favour the expression by the women of their psychological distress and attempts to seek help.

DISCUSSION

This is the first study to describe the socio-demographic status and attitudes of a large sample of French couples demanding IVF. However, the degree to which this sample was representative merits some discussion. Although the 52 participating centres volunteered to take part in the study and were not selected at random, they accounted for 85 % of the attempts in the 101 accredited centres in 1995. These centres were located in 27 towns throughout France, and covered both the private and public sectors.

The second question concerns the extent to which the couples included were representative, because these couples also participated on a voluntary basis, and the response rate was only 51,3 %. Less educated people can be less willing to cooperate in a study with self-administered questionnaires. To answer to this question, the occupational level of men in the sample was compared with the occupational level of men from the whole same centres in the FIVNAT register in 1996 because that variable was not taken in account before mid-1995. In the sample, senior executives (16.1% vs 20.7%) and middle-level executives (19.9% vs 24.6%) were less numerous than in the register, and employees (26.9% vs 17.6%) and manual workers (28.6% vs 25.1%) were more numerous in the sample. So this selection bias can exist but seems small. On the other hand, other studies already reported that potential IVF patients have an higher educational level.

In most cases, the questionnaires were completed by the woman because the men did not always accompany their partners. As only one questionnaire was completed by each couple, the women had to answer the questions concerning their partner alone and this may have introduced bias into the data.

Given the absence of socio-demographic studies of IVF on samples of similar size in France, it is difficult to compare our results with previous data. However, the Canadian study carried out by Newton *et al.* (1990) with 213 women and 184 men took into account both demographic variables and responses in psychological tests predicting reactions to IVF failure. The mean age of the men was 33.5 years and that of the women was 31.4 years. These couples were younger than those in our sample, but the Canadian study took place between 1984 and 1989, when IVF concerned primarily certain female infertility indications and younger couples. The level of education was similar to that of the couples in our sample, with 50% of the participants having educated beyond high school.

In our study the percentage of married couples was higher than that in the general population, because according to French law, only stable couples, married or together for over two years, are eligible for IVF.

The percentage of women who had previously lived in a couple was higher than that for men. Apart from the fact that in most cases women were responding on behalf of their partners and were perhaps less well informed, INSEE's national data (Desplanques, 1993) show that there is a difference between men and women because at 24 years of age, 59% of women and 37% of men were living with a partner or raising a child in 1990 .

Our results show that IVF is currently available to a geographically diverse population. The women in our sample were more likely than the national average to come from small (5,000 to 10,000 inhabitants) or medium-sized (10,000 to 100,000 inhabitants) towns in which the probability of specialist consultation being available was lower than in large towns. Some couples may also seek anonymity when dealing with infertility problems.

The couple's socio-professional category, represented by the status of the head of the family, showed the same tendencies as incomes. These two variables are obviously closely linked. The woman's level of education, although more independent, constitutes a pertinent

indicator of access to information and competent medical services. Here, the three indicators are high, with a high proportion of women educated to university level, confirming better access to medical information in these couples than in the general population.

IVF has long been suspected to be a treatment largely restricted to the privileged. Our results show that although the socio-economic level of the population attending these specialised centres is higher than that of the general population, patients of lower socio-economic status nonetheless have access to this treatment in France. It is interesting to note that the sample contained a large proportion of employees, who have been shown to use the medical system in other domains by economic studies carried out in France in this period. According to the CREDES-ESPS 1995 survey of health and medical care (Grandfils *et al*, 1996), executives and employees are the most frequent visitors to doctors' surgeries in any given month, whereas craftsmen and tradesmen are the least frequent visitors. We found that craftsmen, tradesmen and farmers were underrepresented in our sample with respect to the general population. Middle-level executives and employees spent more on medicines in 1995 than senior executives, 15% and 9% higher than the average, respectively, whereas senior executives spent very little more than the general population.

Based on the national INSEE-CREDES-SESI study on health and medical care carried out in 1991-1992, Andrée Mizrahi and Arié Mizrahi (1998) demonstrated that income, the socio-professional category of the head of the family and education level influence the use of medical services by women. Indices of spending on specialist doctors were highest in senior executives, followed by intermediate professional personnel and employees. The lowest indices were those for farmers. Specialist spending indices were highest for women educated until the age of at least 18 years. The authors stated that price constraints were not the only constraints affecting the possible recourse to specialist doctors. The fact that specialists are mostly located in large cities, close to universities, is important; access to these doctors is

facilitated by the patient having a similar social origin and level of education. These factors are all linked and may be partially cumulative.

Medical insurance reimburses most medical costs in France, but specialists' fees remain high because the patient must often pay part of the fee that is not reimbursed by social organisations. This is because many specialists are entitled to set their fees above agreed levels or at whatever level they choose. Furthermore the percentage reimbursed for IVF treatment varies as a function of the criteria selected (Haut Comité de la Santé Publique, 1994).

In summary, our results concerning income and socio-professional class reveal the growing generalisation of infertility treatments in the population, although the generalisation is still insufficient.

When the attitudes of couples seeking IVF are considered, the desire to have a child may be felt and expressed as a shared desire of the couple or as something more individual, specific to the woman or her partner.

Women may feel pressured into having children, and even more into undergoing IVF. Pressure to undergo IVF more often comes from individuals outside the family, the influence of the partner remaining the most important in both cases. The desire to have a child may be linked to social conformism, resulting in infertility being considered a handicap and the woman feeling she must have children to be complete.

A psychosocial study evaluating the IVF/GIFT programme in Hong Kong (Chan *et al*, 1989) was carried out on 112 married couples in which the woman was less than 39 years old. Of these IVF patients, 25.9% felt pressure from their family to have a child and 17.0% thought that infertility affected their marriage, but few couples admitted that infertility had a possible effect on their sex life, cultural factors being taken into account.

The results presented also showed the importance of the effects of infertility and infertility treatment on the day-to-day life of the couples, in particular on their social, affective and sex lives.

The negative effects of infertility and infertility treatment on the social, affective and sex lives of the couple were recognised by 38.9% of women questioned. Other studies have attempted to compare these effects in the women and in their partners.

Cook *et al.* (1989) questioned 59 infertile women in the United Kingdom consulting for IVF or AID and 34 of their partners. Approximately 50% of these women reported that their infertility had a negative effect on their relationship with their partner and on their sex life. One third of the men (33%) reported a negative effect on their relationship and 23% on their sex life. These results are counterbalanced by the fact that the couples also reported positive aspects. Thus, the authors concluded that these couples' relationships and sex lives remained acceptable.

In France, Laffont and Edelmann (1994) compared 117 women and 101 men in IVF follow up. The women reported more negative effects of the treatment than the men because they judged that IVF interfered with their work and leisure time and they found the travelling to and from consultations more stressful. However, there was no difference between men and women in the numbers who found that IVF had an effect on their family life and their friendships. Forty-one percent of the women and 15% of the men thought that IVF reduced their sexual desires.

A study carried out in the USA and Canada (Kopitzke *et al.*, 1991) on 26 infertile patients assessed physical and emotional problems related to 27 types of examinations, techniques and infertility treatments and to 9 types of situations, such as waiting for the results, seeing a pregnant woman and adoption. These data were compared to estimates made by doctors and nurses. The patients reported greater emotional than physical difficulty with examinations

and situations, and reported similar levels of physical and emotional difficulty with techniques and treatments.

Hammarberg *et al.* (2001) tried to understand how women feel about the experience of IVF 2-3 years after ceasing the treatment by mailing to 229 Australian women a very complete questionnaire with three self-report measures. Having or not a baby influenced their recall but most agreed that they had had IVF to avoid future regrets (83%). There were 42% of women who felt a negative influence of IVF on their marital relationship, and 59% on their sexual relationship. Concerning the decision to try IVF, 37% of the women said it was primarily their decision, even if 97% of the couples both agreed about trying.

The “individualist” desire to have a child and the negative effects of infertility were more often expressed by women with a high level of education and a high income. This type of personal demand or complaint may be favoured in comfortable environments in which there is greater freedom of expression and less conformism. We cannot be certain that these notions do not also exist in women with a more modest education level or income, but these women may conform to more conformist values, such as the desire of the couple to have a child and, in particular, may not be willing to come forward for psychological help.

CONCLUSION

After analysing the effects of socio-demographic variables on the request for IVF and on the way in which IVF is handled by couples, other questions still remain to be answered. These include the effects of infertility of a male or female origin on these attitudes or on the type of desire expressed, and an in-depth analysis of the choices made and the way in which couples

cope with treatment. Furthermore, given the rapid progress being made in medically assisted reproduction it would be useful to have a regular measure of the repercussions of infertility and its treatment on the state of health as perceived by the patients. In fact, in terms of communication and the doctor-patient relationship, the couples attitudes towards their infertility and the treatments received should be taken into account from now on, rather than simply evaluating the probability of successful treatment.

ACKNOWLEDGEMENTS

The authors wish to thank the couples who participated in this survey. This study was supported by Organon.

REFERENCES

- Boivin J., Andersson L., Skoog-Svanberg A., Hjelmstedt A., Collins A., Bergh T. (1998). Psychological reactions during in-vitro fertilization: similar response pattern in husbands and wives. *Hum. Reprod.*, 13, 3262-3267.
- Bostofte E., Serup J., Bischoff N., Rebbe H. (1985) Socio-economic status and fertility of couples examined for infertility-social status and fertility. *Andrologia*, 17, n°6, 564-659.
- Broman D.R., Bryce F.C., Balmer B., *et al.* (1989) Psychometric evaluation of infertile couples. *J Reprod Inf Psychol* ; 7 , 195-202.
- Chan Y. F., O'Hoy K. M., Wong A. *et al.* (1989) Psychosocial evaluation in an IVF/GIFT program in Hong Kong. *J Reprod Inf Psychol* ; 7 : 67-77.
- Cook R., Parsons J. , Mason B., *et al.* (1989) Emotional, Marital and Sexual Functioning in patients embarking upon IVF and AID treatment for infertility. *J Reprod Inf Psychol.*; 7 : 87-93.
- Christie G. L.(1998) Some socio-cultural and psychological aspects of infertility. *Hum. Reprod.* 13, 232-241.
- Demyttenaere K., Bonte L., Gheldof M., Vervaeke M., Meuleman C., Vanderschuerem D., D'Hooghe T. (1998) Coping style and depression level influence outcome in in vitro fertilization. *Fertil. Steril.* 69, 6, 1026-1033.
- Desplanques G. (1993) Les étapes de la vie familiale *Insee Première*, n° 278.
- Edelman R.J., Connolly K.J. (1989) The impact of infertility and infertility investigations : four cases illustrations. *J Reprod Inf Psychol* ; 7 , 113-119.

- Fassino S.,Piero A., Boggio S., Piccioni V., Garzaro L. (2002) Anxiety, depression and anger suppression in infertile couples : a controlled study. *Hum. Reprod* .17, 2986-2994.
- FIVNAT (2003), Bilan général 1998-2002, *Dossier FIVNAT*, 7-36.
- Grandfils N, Le Fur Ph, Mizrahi An, Mizrahi Ar. (1996). *Santé, soins et protection sociale en 1995*. CREDES 1996/11, Paris.
- Hammarberg K., Astbury J., Baker H.W.G.(2001) Women's experience of IVF : a follow-up study. *Hum. Reprod.*, 16, 374-383.
- Haut Comité de la Santé Publique (1994) *La Santé en France : travaux des groupes thématiques*, La Documentation Française, Paris.
- INSEE (1996) Enquête Actifs financiers 1991-92, Revenus et Patrimoine des ménages, *Synthèses*, 5.
- INSEE (1992) Enquêtes sur l'Emploi 1990 et 1991, *Insee Résultats, Série Emploi-Revenus*, 40-41.
- INSEE (1993) Recensement de la population de 1990, *Insee Résultats, Série Démographie-Société*, 30-31.
- Klonoff-Cohen H., Chu E., Natarajan L., Sieber W. (2001) A prospective study of stress among women undergoing in vitro fertilization or gamete intrafallopian transfer. *Fertil. Steril.*, 76, 675-687.
- Kopitze E. J., Berg B., Owens D. (1991) Physical and emotional stress associated with components of the fertility investigation : perspectives of professionals and patients. *Fertil Steril*; 55, 1137-43.
- Laffont I., Edelmann R. J. (1994) Psychological aspects of *in vitro* fertilization : a gender comparison. *J Psychosom Obstet Gynecol*; 15 : 85-92.
- Mizrahi An., Mizrahi Ar. (1998) Consommations de soins, in : *Féminin Santé*, Editions du CFES, 81-106.

- Newton C.R., Hearn M.T., Yuzpe A. A.(1990) Psychological assessment and follow-up after in vitro fertilization : assessing the impact of failure. *Fertil Steril* ; 54, 5, 879-886.
- Oddens B. J., den Tonkelaar I., Nieuwenhuys H. (1999) Psychosocial experiences in women facing fertility problems-a comparative survey .*Hum. Reprod.* 14, 255-261.
- Stoleru S., Teglas J.P., Fermanian J., and Spira A. (1993) Psychological factors in the aetiology of infertility : a prospective cohort study. *Hum. Reprod.*; 8, 1039-1046.
- Stoléru S., Cornet D., Vaugeois P., *et al.* (1997) The influence of psychological factors on the outcome of the fertilization step of in vitro fertilization. *J Psychosom Obstet Gynecol* ; 18,189-202.
- Tain L. (2001) L'hôpital, la femme et le médecin : la construction des trajectoires de fécondation in vitro. *Population*, 56 (5), 811-844.
- Van Balen F., Trimbos-Kemper T. C. M. (1994) Factors influencing the well-being of long-term infertile couples. *J Psychosom Obstet Gynecol*; 15, 157-164.
- Wischmann T., Stammer H., Scherg H., Gerhard I., Verres R.(2001) Psychosocial characteristics of infertile couples: a study by the Heidelberg fertility Consultation Service. *Hum. Reprod.*, 16, 1753-1761.

TABLE 1: WOMEN' S CHARACTERISTICS

	N	%	FRANCE
AGE (N=2083):			
≤ 34 YEARS OLD	1248	59.9	50.4*
35-39 YEARS OLD	634	30.4	16.9*
≥ 40 YEARS OLD	201	9.6	32.6*
RELIGIOUS BELIEVERS (N=2027)	1509	74.4	
RELIGIOUS PRACTISING (N=1994)	247	12.4	
FAMILY STATUS : MARRIED (N=2076)	1601	77.1	60.1**
FRENCH NATIONALITY (N=2076)	1932	93.7	93.5**
UNIT OF RESIDENCE (N=1977) :			
<5 000 INHABITANTS	573	29.7	29.1***
5 000-9 999	227	11.4	5.3***
10 000-99 999	428	21.4	18.1***
>100 000	408	20.4	29.3***
PARISIAN REGION	341	17.1	18.2***

*Percentages calculated from Insee 1995 Annual estimation of population on January 1st by region, sex and age

**Insee 1990 Population Census : Women 20 – 49 years old

***Insee1990 : Women 20-59 years old (working women or housewives)

TABLE 2: EDUCATIONAL LEVEL, SOCIO-PROFESSIONAL CATEGORY
AND ANNUAL INCOME

	N	%	FRANCE
EDUCATIONAL LEVEL (1) N=2046			PC 1990*
UNIVERSITY	645	31,5	18.0
BACCALAUREAT (UNTIL 18)	440	21.5	15.2
BEP (UNTIL 16)	352	17.2	8.3
CAP (UNTIL 16)	335	16.4	15.3
BEPC (UNTIL 16)	123	6.0	10.0
PRIMARY	151	7.4	33.3
SOCIO-PROFESSIONAL CATEGORY (2) N=2013			ES 1991**
FARMERS	35	1.7	4.1
CRAFTSMEN/TRADESMEN	135	6.7	8.9
SENIOR EXECUTIVES	324	16.1	14.8
LOWER EXECUTIVES	401	19.9	22.0
EMPLOYEES	542	26.9	11.3
MANUAL WORKERS	576	28.6	39.1
ANNUAL INCOME (3)			FS 1992 ***
N=1976			
<15 000€	588	29.8	44.0
15 000€ -30 000€	807	40.8	38.2
30 000€ -45 000€	409	20.7	11.6
> 45 000 €	172	8.7	6.3

(1) women's educational level, (2) occupational class of the head of the family, (3) couples' annual incomes

*Insee 1990 Population Census : Women 20 – 49 years old

**Insee1991 : Employment survey : active men 25-45 years old, military service excluded

***Insee 1992 Financial survey

TABLE 3 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
DESIRE FOR A PREGNANCY AS COUPLE'S DESIRE
RATHER THAN PERSONAL DESIRE

COUPLE' S DESIRE			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	P
WOMEN'S AGE(N=2017)			0.001
≤29 (N=439)	420	95.7	
30-34 (N=776)	734	94.6	
35-39 (N=607)	540	89.0	
≥40 (N=195)	167	85.6	
ANNUAL INCOME (N=1917)			<0.05
<9 000 € (N=159)	152	95.6	
9 000€--15 000€ (N=395)	378	95.7	
15 000€ -30 000€ (N=794)	721	90.8	
30 000€ -45 000€ (N=402)	366	91.0	
> 45 000 € (N=167)	154	92.2	
EDUCATIONAL LEVEL*(N=1990)			<0.01
PRIMARY,CAP,BEPC,BEP (N=713)	674	94.5	
BACCALAUREAT (N=460)	423	92.0	
UNIVERSITY (N=817)	738	90.3	

*the highest of the couple

TABLE 4 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
CONSIDERED ADOPTION IF INFERTILITY TREATMENT FAILED

SOCIODEMOGRAPHIC CHARACTERISTICS	CONSIDERED ADOPTION		p
	N	%	
WOMEN'S AGE (N=1828)			<0.05
≤29 (N=391)	173	44.3	
30-34 (N=728)	330	45.3	
35-39 (N=539)	207	38.4	
≥40 (N=170)	60	35.3	
ANNUAL INCOME (N=1753)			0.001
<9 000€ (N=143)	46	32.2	
9 000€- -15 000€ (N=351)	122	34.8	
15 000€- -30 000 €(N=739)	315	42.6	
30 000€- -45 000€ (N=365)	178	48.8	
>45 000 € (N=155)	84	54.2	
EDUCATIONAL LEVEL*			0.001
(N=1862)			
PRIMARY,CAP,BEPC,BEP	224	33.7	
(N=664)			
BACCALAUREAT (N=433)	182	42.0	
UNIVERSITY(N=765)	381	49.8	
RELIGIOUS PRACTICE**			NS
(N=1816)			
PRACTISING(N=220)	88	40.0	
NO-PRACTISING (N=1596)	683	42.8	

* the highest of the couple **of the woman

TABLE 5 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
COUPLE 'S AGREEMENT WITH THE POSSIBILITY OF FREEZING EMBRYOS

COUPLE'S AGREEMENT			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
WOMEN'S AGE (N=1996)			<0.05
≤29 (N=430)	406	94.4	
30-34 (N=775)	713	92.0	
35-39 (N=600)	539	89.8	
≥40 (N=191)	170	89.0	
ANNUAL INCOME (N=1908)			NS
<9 000 € (N=160)	147	91.9	
9 000€ -15 000€ (N=403)	370	91.8	
15 000€-30 000€ (N=785)	716	91.2	
30 000€ -45 000€ (N=395)	365	92.4	
>45 000€ (N=165)	151	91.5	
EDUCATIONAL LEVEL *			NS
(N=1971)			
PRIMARY,CAP,BEPC,BEP (N=706)	646	91.5	
BACCALAUREAT (N=456)	412	90.4	
UNIVERSITY (N=809)	748	92.5	
RELIGIOUS PRACTICE **			<0.01
(N=1864)			
PRACTISING (N=219)	196	89.5	
NO-PRACTISING (N=1645)	1519	92.3	
* the highest of the couple **of the woman			

TABLE 6 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
COUPLE 'S AGREEMENT WITH THE POSSIBILITY OF HAVING TRIPLETS

COUPLE'S AGREEMENT			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
WOMEN'S AGE (N=1847)			<0.05
≤29 (N=417)	279	66.9	
30-34 (N=734)	428	58.3	
35-39 (N=533)	309	58.0	
≥40 (N=163)	102	62.6	
ANNUAL INCOME (N=1762)			<0.05
<9 000€ (N=139)	98	70.5	
9 000€ -15 000€ (N=363)	235	64.7	
15 000€ -30 000€ (N=727)	439	60.4	
30 000€ -45 000€ (N=376)	214	56.9	
>45 000€ (N=157)	88	56.1	
EDUCATIONAL LEVEL *			0.01
(N=1831)			
PRIMARY,CAP,BEPC,BEP (N=638)	418	65.5	
BACCALAUREAT (N=422)	239	56.6	
UNIVERSITY (N=771)	449	58.2	
RELIGIOUS PRACTICE **			<0.01
(N=1779)			
PRACTISING (N=228)	215	68.8	
NO-PRACTISING (N=1637)	1564	59.6	
* the highest of the couple **of the woman			

TABLE 7 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
NEGATIVE EFFECTS OF INFERTILITY ON THE WOMEN'S SOCIAL, AFFECTIVE
AND SEX LIVES

NEGATIVE EFFECTS			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
WOMEN'S AGE (N=1964)			NS (0.10)
≤29 (N=423)	148	35.0	
30-34 (N=762)	303	39.8	
35-39 (N=593)	240	40.5	
≥40 (N=186)	73	39.3	
ANNUAL INCOME (N=1872)			0.001
<9 000€ (N=160)	48	30.0	
9 000€ -15 000€ (N=381)	122	32.0	
15 000€ -30 000€ (N=774)	300	38.8	
30 000€ -45 000€ (N=392)	178	45.4	
>45 000€ (N=165)	83	50.3	
EDUCATIONAL LEVEL* (N=1942)			0.001
PRIMARY,CAP,BEPC,BEP (N=690)	205	29.7	
BACCALAUREAT (N=452)	164	36.3	
UNIVERSITY (N=800)	383	47.9	
RELIGIOUS PRACTICE ** (N=1910)			NS
PRACTISING (N=230)	81	35.2	
NO-PRACTISING (N=1680)	670	39.9	

* the highest of the couple **of the woman

TABLE 8 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
NEGATIVE EFFECTS OF INFERTILITY ON THE MEN'S SOCIAL, AFFECTIVE
AND SEX LIVES

NEGATIVE EFFECTS			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
MEN'S AGE (N=1938)			NS
≤29 (N=256)	55	21.5	
30-34 (N=702)	183	26.1	
35-39 (N=595)	166	27.9	
≥40 (N=385)	94	24.4	
ANNUAL INCOME (N=1842)			0.01
<9 000€ (N=157)	33	21.0	
9 000€ -15 000€ (N=376)	80	21.3	
15 000€ -30 000€ (N=761)	193	25.4	
30 000€ -45 000€ (N=384)	113	29.4	
>45 000€ (N=164)	54	32.9	
EDUCATIONAL LEVEL* (N=1912)			0.001
PRIMARY,CAP,BEPC,BEP (N=679)	122	18.0	
BACCALAUREAT (N=444)	106	23.9	
UNIVERSITY (N=789)	259	32.8	

- the highest of the couple

TABLE 9 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS AND
BAD EXPERIENCE OF BLOOD SAMPLING

BAD EXPERIENCE OF BLOOD SAMPLING			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
WOMEN'S AGE (N=1686)			0.06
≤29	46	12.5	
30-34	91	13.8	
35-39	80	16.1	
≥40	33	20.9	
ANNUAL INCOME (N=1615)			<0.01
<15 0 000 €	86	18.9	
15 000€-45 000€	93	13.7	
>45 000€	57	11.9	
EDUCATIONAL LEVEL* (N=1672)			0.06
PRIMARY,CAP,BEPC,BEP/16	102	17.2	
BACCALAUREAT/18	55	14.0	
UNIVERSITY	86	12.5	

*the highest of the couple

TABLE 10 : RELATIONSHIP BETWEEN SOCIODEMOGRAPHIC CHARACTERISTICS
AND PSYCHOLOGICAL SUPPORT NON USEFUL FOR COUPLES

PSYCHOLOGICAL SUPPORT NON USEFUL			
SOCIODEMOGRAPHIC CHARACTERISTICS	N	%	p
WOMEN'S AGE (N=1959)			NS
≤29	129	31.3	
30-34	216	28.4	
35-39	181	30.3	
≥40	63	33.7	
ANNUAL INCOME (N=1871)			<0.001
<15 0 000 €	211	38.5	
15 000€-45 000€	223	29.0	
>45 000 €	123	22.2	
EDUCATIONAL LEVEL* (N=1624)			<0.001
PRIMARY,CAP,BEPC,BEP/16	283	41.0	
BACCALAUREAT/18	130	29.1	
UNIVERSITY	167	20.9	

* the highest of the couple

Documents de Travail

Ces fascicules vous seront adressés sur simple demande à l'auteur :
Institut national d'études démographiques, 133, bd Davout, 75980 PARIS Cedex 20
Tél : (33) 01 56 06 20 86 Fax : (33) 01 56 06 21 99

- N° 142. – Annie BACHELOT et Jacques de MOUZON, *Données de l'enquête « Caractéristiques des couples demandant une fécondation in vitro en France »*, 2007, 44 p.
- N° 141. – Olivia EKERT-JAFFÉ, Shoshana GROSSBARD et Rémi MOUGIN, *Economic Analysis of the Childbearing Decision*, 2007, 108 p.
- N° 140. – Véronique HERTRICH and Marie LESCLINGAND, *Transition to adulthood and gender: changes in rural Mali*
- N° 139. – Patrick SIMON et Martin CLÉMENT, *Rapport de l'enquête « Mesure de la diversité ». Une enquête expérimentale pour caractériser l'origine*, 2006, 86 p.
- N° 138. – Magali BARBIERI, Alfred NIZARD et Laurent TOULEMON, *Écart de température et mortalité en France*, 2006, 80 p.
- N° 137. – Jean-Louis PAN KE SHON, *Mobilités internes différentielles en quartiers sensibles et ségrégation*, 2006, 42 p.
- N° 136. – Francisco MUNOZ-PEREZ, Sophie PENNEC, avec la collaboration de Geneviève Houriet Segard, *Évolution future de la population des magistrats et perspectives de carrière, 2001-2040*, 2006, XXX + 114 p.
- N° 135. – Alexandre DJIRIKIAN et Valérie LAFLAMME, sous la direction de Maryse MARPSAT *Les formes marginales de logement. Étude bibliographique et méthodologique de la prise en compte du logement non ordinaire*, 2006, 240 p.
- N° 134. – Catherine BONVALET et Éva LELIÈVRE, *Publications choisies autour de l'enquête « Biographies et entourage »*, 2006, 134 p.
- N° 133. – Arnaud RÉGNIER-LOILIER, *Présentation, questionnaire et documentation de l'« Étude des relations familiales et intergénérationnelles » (Erfi). Version française de l'enquête « Generations and Gender Survey » (GGS)*, 2006, 238 p.
- N° 132. – Lucie BONNET et Louis BERTRAND (sous la direction de), *Mobilités, habitat et identités*, Actes de la journée d'étude « Jeunes chercheurs ». Le logement et l'habitat comme objet de recherche. Atelier 3, 2005, 92 p.
- N° 131. – Isabelle FRECHON et Catherine Villeneuve-Gokalp, *Étude sur l'adoption*, 2005, 64 p.
- N° 130. – Dominique MEURS, Ariane PAIHLÉ et Patrick SIMON, *Mobilité intergénérationnelle et persistance des inégalités. L'accès à l'emploi des immigrés et de leurs descendants en France*, 2005, 36 p.
- N° 129. – Magali MAZUY, Nicolas RAZAFINDRATSIMA, Élise de LA ROCHEBROCHARD, *Déperdition dans l'enquête "Intentions de fécondité"*, 2005, 36 p.
- N° 128. – Laure MOGUEROU et Magali BARBIERI, *Population et pauvreté en Afrique. Neuf communications présentées à la IV^e Conférence africaine sur la population*, Tunis, Tunisie, 8-12 décembre 2003, 2005, 184 p.
- N° 127. – Jean-Louis PAN KÉ SHON, *Les sources de la mobilité résidentielle Modifications intervenues sur les grandes sources de données dans l'étude des migrations*, 2005, 30 p.
- N° 126. – Thierry DEBRAND et Anne-Gisèle PRIVAT, *L'impact des réformes de 1993 et de 2003 sur les retraites. Une analyse à l'aide du modèle de microsimulation Artémis*, 2005, 28 p.

- N° 125. – Kees WAALDIJK (ed), *More or less together: levels of legal consequences of marriage, cohabitation and registered partnership for different-sex and same-sex partners: a comparative study of nine European countries*, 2005, 192 p. (s'adresser à Marie DIGOIX)
- N° 124. – Marie DIGOIX et Patrick FESTY (eds), *Same-sex couples, same-sex partnerships, and homosexual marriages: A Focus on cross-national differentials*, 2004, 304 p.
- N° 123. – Marie DIGOIX et Patrick FESTY (sous la dir.), *Séminaire "Comparaisons européennes", années 2001-2002*, 2004, 220 p.
- N° 122. – Emmanuelle GUYAVARCH et Gilles PISON, *Les balbutiements de la contraception en Afrique Au Sud du Sahara*, septembre 2004, 48 p.
- N° 121. – Maryse JASPARD et Stéphanie CONDON, *Genre, violences sexuelles et justice*. Actes de la journée-séminaire du 20 juin 2003, 2004, 135p.
- N° 120. – Laurent TOULEMON et Magali MAZUY, *Comment prendre en compte l'âge à l'arrivée et la durée de séjour en France dans la mesure de la fécondité des immigrants ?*, 2004, 34 p.
- N° 119. – Céline CLÉMENT et Bénédicte GASTINEAU (coord.), *Démographie et sociétés*. Colloque international « Jeunes Chercheurs », Cerpos-Université Paris X-Nanterre, 1^{er} et 2 octobre 2002, 2003, 350 p.
- N° 118. – Monique BERTRAND, Véronique DUPONT et France GUERIN-PACE (sous la dir.), *Espaces de vie. Une revue des concepts et des applications*, 2003, 188 p.
- N° 117. – Stéphanie CONDON et Armelle ANDRO, *Questions de genre en démographie*. Actes de la journée du 22 juin 2001, 2003, 128 p.
- N° 116. – Maryse JASPARD et l'équipe Enveff, *Le questionnaire de l'enquête Enveff*. Enquête nationale sur les violences envers les femmes en France, 2003, 10 + 88 p.
- N° 115. – Zahia OUADAH-BEDIDI et Jacques VALLIN, *Disparités régionales de l'écart d'âge entre conjoints en Algérie. Évolution depuis 1966*, 2003, 32 p.
- N° 114. – Magali MAZUY, *Situations familiales et fécondité selon le milieu social. Résultats à partir de l'enquête EHF de 1999*, 2002, 60 p.
- N° 113. – Jean-Paul SARDON, *Fécondité et transition en Europe centrale et orientale*, 2002, 38 p.
- N° 112. – Thérèse LOCOH, *Deux études sur la fécondité en Afrique : 1) Structures familiales et évolutions de la fécondité dans les pays à fécondité intermédiaire d'Afrique de l'Ouest ; 2) Baisse de la fécondité et mutations familiales en Afrique sub-saharienne*, 2002, 24 p. et 30 p.
- N° 111. – Thierry DEBRAND et Anne-Gisèle PRIVAT, *Individual real wages over business cycle: The impact of macroeconomic variations on individual careers and implications concerning retirement pensions*, 2002, 38 p.
- N° 110. – Recueil préparé par Amandine LEBUGLE et Jacques VALLIN, *Sur le chemin de la transition*. Onze communications présentées au XXIV^e Congrès général de la population à Salvador de Bahia, Brésil, août 2001, 2002, 234 p.
- N° 109. – Éric BRIAN, Jean-Marc ROHRBASSER, Christine THÉRÉ, Jacques VÉRON (intervenants et organisateurs), *La durée de vie : histoire et calcul*. Séminaire de la valorisation de la recherche, 7 février 2000 (s'adresser à Céline PERREL), 2002, 70 p.
- N° 108. – France MESLÉ et Jacques VALLIN, *Montée de l'espérance de vie et concentration des âges au décès*, 2002, 20 p.
- N° 107. – Alexandre AVDEEV, *La mortalité infantile en Russie et en URSS: éléments pour un état des recherches*, 2002, 48 p.
- N° 106. – Isabelle ATTANÉ (organisatrice), *La Chine en transition : questions de population, questions de société*. Séminaire de la valorisation de la recherche, 31 janvier et 1^{er} février 2001 (s'adresser à Céline PERREL), 2002, 46 p.
- N° 105. – A. AVDEEV, J. BELLENGER, A. BLUM, P. FESTY, A. PAILHE, C. GOUSSEFF, C. LEFÈVRE, A. MONNIER, J.-C. SEBAG, J. VALLIN (intervenants et organisateurs),

- La société russe depuis la perestroïka : rupture, crise ou continuité?* Séminaire de la valorisation de la recherche, 1^{er} mars 2001 (s'adresser à Céline PERREL), 2001, 124 p.
- N° 104.— Jacques VÉRON, Sophie PENNEC, Jacques LÉGARÉ, Marie DIGOIX (éds), *Le contrat social à l'épreuve des changements démographiques ~ The Social Contract in the Face of Demographic Change*, Actes des 2^e Rencontres Sauvy, 2001, 386 p.
- N° 103.— Gilles PISON, Alexis GABADINHO, Catherine ENEL, *Mlomp (Sénégal). Niveaux et tendances démographiques; 1985-2000*, 2001, 182 p.
- N° 102.— *La famille en A.O.F. et la condition de la femme*. Rapport présenté au Gouverneur général de l'A.O.F. par Denise SAVINEAU (1938). Introduction de Pascale Barthélémy, 2001, XXII-222 p.
- N° 101.— Jean-Paul SARDON, *La fécondité dans les Balkans*, 2001, 88 p.
- N° 100.— Jean-Paul SARDON, *L'évolution récente de la fécondité en Europe du Sud*, 26 p.
- N° 99.— S. JUSTEAU, J.H. KALTENBACH, D. LAPEYRONNIE, S. ROCHÉ, J.C. SEBAG, X. THIERRY ET M. TRIBALAT (intervenants et organisateurs), *L'immigration et ses amalgames*. Séminaire de la valorisation de la recherche, 24 mai 2000 (s'adresser à Céline PERREL), 2001, 94 p.
- N° 98.— Juliette HALIFAX, *L'insertion sociale des enfants adoptés. Résultats de l'enquête "Adoption internationale et insertion sociale", 2000 (Ined – Les Amis des enfants du monde)*, 2001, 58 p.
- N° 97.— Michèle TRIBALAT, *Modéliser, pour quoi faire?* 2001, 10 p.
- N° 96.— O. EKERT-JAFFÉ, H. LERIDON, S. PENNEC, I. THÉRY, L. TOULEMON et J.-C. SEBAG (intervenants et organisateurs), *Évolution de la structure familiale*. Séminaire de la valorisation de la recherche, 28 juin 2000 (s'adresser à Céline PERREL), 2001, 110 p.
- N° 95.— A. ANDRO, A. LEBUGLE, M. LESCLINGAND, T. LOCOH, M. MOUVAGHA-SOW, Z. OUADAH-BEDIDI, J. VALLIN, C. VANDERMEERSCH, J. VÉRON, *Genre et développement. Huit communications présentées à la Chaire Quetelet 2000*, 2001, 158 p.
- N° 94.— C. BONVALET, C. CLÉMENT, D. MAISON, L. ORTALDA et T. VICHNEVSKAIA, *Réseaux de sociabilité et d'entraide au sein de la parenté : Six contributions*, 2001, 110 p.
- N° 93.— Magali MAZUY et Laurent TOULEMON, *Étude de l'histoire familiale. Premiers résultats de l'enquête en ménages*, 2001, 100 p.
- N° 92.— *Politiques sociales en France et en Russie*, INED/IPSEP, 2001, 246 p.
- N° 91.— Françoise MOREAU, *Commerce des données sur la population et libertés individuelles*, 2001, 20 p. + Annexes.
- N° 90.— Youssef COURBAGE, Sergio DELLAPERGOLA, Alain DIECKHOFF, Philippe FARGUES, Emile MALET, Elias SANBAR et Jean-Claude SEBAG (intervenants et organisateurs), *L'arrière-plan démographique de l'explosion de violence en Israël-Palestine*. Séminaire de la valorisation de la recherche, 30 novembre 2000 (s'adresser à Céline PERREL), 2000, 106 p.
- N° 89.— Bénédicte GASTINEAU et Elisabete de CARVALHO (coordonné par), *Démographie: nouveaux champs, nouvelles recherches*, 2000, 380 p.
- N° 88.— Gil BELLIS, Jean-Noël BIRABEN, Marie-Hélène CAZES et Marc de BRAEKELEER (modérateur et intervenants), *Génétique et populations*. Séminaire de la valorisation de la recherche, 26 janvier 2000 (s'adresser à Céline PERREL), 2000, 96 p.
- N° 87.— Jean-Marie FIRDION, Maryse MARPSAT et Gérard MAUGER (intervenants), *Étude des sans-domicile: le cas de Paris et de l'Ile-de-France*. Séminaire de la valorisation de la recherche, 19 avril 2000 (s'adresser à Céline PERREL), 2000, 90 p.
- N° 86.— François HÉRAN et Jean-Claude SEBAG (responsables modérateurs), *L'utilisation des sources administratives en démographie, sociologie et statistique sociale*. Séminaire de la valorisation de la recherche, 20 septembre 2000 (s'adresser à Céline PERREL), 2000, 170 p.
- N° 85.— Michel BOZON et Thérèse LOCOH (sous la dir.), *Rapports de genre et questions de population. II. Genre, population et développement*, 2000, 200 p.

- N° 84.– Michel BOZON et Thérèse LOCOH (sous la dir.), *Rapports de genre et questions de population. I. Genre et population, France 2000*, 2000, 260 p.
- N° 83.– Stéphanie CONDON, Michel BOZON et Thérèse LOCOH, *Démographie, sexe et genre: bilan et perspectives*, 2000, 100 p.
- N° 82.– Olivia EKERT-JAFFE et Anne SOLAZ, *Unemployment and family formation in France*, 2000, 26 p.
- N° 81.– Jean-Marie FIRDION, *L'étude des jeunes sans domicile dans les pays occidentaux : état des lieux*, 1999, 28 p.
- N° 80.– *Age, génération et activité : vers un nouveau contrat social ? / Age, cohort and activity: A new "social contract"?*, Actes des 1^{ères} rencontres Sauvy (s'adresser à Marie DIGOIX), 1999, 314 p.
- N° 79.– Maryse MARPSAT, *Les apports réciproques des méthodes quantitatives et qualitatives : la cas particulier des enquêtes sur les personnes sans domicile*, 1999, 24 p.
- N° 78.– *Les populations du monde, le monde des populations. La place de l'expert en sciences sociales dans le débat public*, Actes de la Table ronde pour l'inauguration de l'Ined (s'adresser à Céline PERREL), 1999, 54 p.
- N° 77.– Isabelle SÉGUY, Fabienne LE SAGER, *Enquête Louis Henry. Notice descriptive des données informatiques*, 1999, 156 p.
- N° 76.– I. SÉGUY, H. COLENÇON et C. MÉRIC, *Enquête Louis Henry. Notice descriptive de la partie nominative*, 1999, 120 p.
- N° 75.– Anne-Claude LE VOYER (s'adresser à H. LERIDON), *Les processus menant au désir d'enfant en France*, 1999, 200 p.
- N° 74.– Jacques VALLIN et France MESLÉ, *Le rôle des vaccinations dans la baisse de la mortalité*, 1999, 20 p.
- N° 73.– ZARCA, *Comment passer d'un échantillon de ménages à un échantillon de fratries ? Les enquêtes «Réseaux familiaux» de 1976, «Proches et parents» de 1990 et le calcul d'un coefficient de pondération*, 1999, 20 p.
- N° 72.– Catherine BONVALET, *Famille-logement. Identité statistique ou enjeu politique?* 1998, 262 p.
- N° 71.– Denise ARBONVILLE, *Normalisation de l'habitat et accès au logement. Une étude statistique de l'évolution du parc "social de fait" de 1984 à 1992*, 1998, 36 p.
- N° 70.– *Famille, activité, vieillissement : générations et solidarités*. Bibliographie préparée par le Centre de Documentation de l'Ined, 1998, 44 p.
- N° 69.– XXIII^e Congrès général de la population, Beijing, Chine, 11-17 octobre 1997:
A) *Contribution des chercheurs de l'Ined au Congrès*, 1997, 178 p.
B) *Participation of Ined Researchers in the Conference*, 1997, 180 p.
- N° 68.– France MESLÉ et Jacques VALLIN, *Évolution de la mortalité aux âges élevés en France depuis 1950*, 1998, 42 p.
- N° 67.– Isabelle SEGUY, *Enquête Jean-Noël Biraben «La population de la France de 1500 à 1700». Répertoire des sources numériques*, 1998, 36 p.
- N° 66.– Alain BLUM, I. Statistique, démographie et politique. II. Deux études sur l'histoire de la statistique et de la statistique démographique en URSS (1920-1939), 1998, 92 p.
- N° 65.– Annie LABOURIE-RACAPÉ et Thérèse LOCOH, *Genre et démographie : nouvelles problématiques ou effet de mode ?* 1998, 27 p.
- N° 64.– C. BONVALET, A. GOTMAN et Y. GRAFMEYER (éds), et I. Bertaux-Viame, D. Maison et L. Ortalda, *Proches et parents : l'aménagement des territoires*, 1997.
- N° 63.– Corinne BENVENISTE et Benoît RIANDEY, *Les exclus du logement : connaître et agir*, 1997, 20 p.
- N° 62.– Sylvia T. WARGON (s'adresser à L. ROUSSEL), *La démographie au Canada, 1945-1995*, 1997, 40 p.
- N° 61.– Claude RENARD, *Enquête Louis Henry. Bibliographie de l'enquête*, 1997, 82 p.

- N° 60.– H. AGHA, J.C. CHASTELAND, Y. COURBAGE, M. LADIER-FOULADI, A.H. MEHRYAR, *Famille et fécondité à Shiraz (1996)*, 1997, 60 p.
- N° 59.– Catherine BONVALET, Dominique MAISON et Laurent ORTALDA, *Analyse textuelle des entretiens «Proches et Parents»*, 1997, 32 p.
- N° 58.– B. BACCAÏNI, M. BARBIERI, S. CONDON et M. DIGOIX (éds), *Questions de population. Actes du Colloque Jeunes Chercheurs:*
 I. Mesures démographiques dans des petites populations, 1997, 50 p.
 II. Nuptialité – fécondité – reproduction, 1997, 120 p.
 III. Histoire des populations, 1997, 90 p.
 IV. Économie et emploi, 1997, 50 p.
 V. Vieillesse – retraite, 1997, 66 p.
 VI. Famille, 1997, 128 p.
 VII. Santé – mortalité, 1997, 136 p.
 VIII. Population et espace, 1997, 120 p.
 IX. Migration – intégration, 1997, 96 p.
- N° 57.– Isabelle SÉGUY et Corinne MÉRIC, *Enquête Louis Henry. Notice descriptive non nominative*, 1997, 106 p.
- N° 56.– Máire Ní BHROLCHÁIN and Laurent TOULEMON, *Exploratory analysis of demographic data using graphical methods*, 1996, 50 p.
- N° 55.– Laurent TOULEMON et Catherine de GUIBERT-LANTOINE, *Enquêtes sur la fécondité et la famille dans les pays de l'Europe (régions ECE des Nations unies). Résultats de l'enquête française*, 1996, 84 p.
- N° 54.– G. BALLAND, G. BELLIS, M. DE BRAEKELEER, F. DEPOID, M. LEFEBVRE, I. SEGUY, *Généalogies et reconstitutions de familles. Analyse des besoins*, 1996, 44 p.
- N° 53.– Jacques VALLIN et France MESLÉ, *Comment suivre l'évolution de la mortalité par cause malgré les discontinuités de la statistique ? Le cas de la France de 1925 à 1993*, 1996, 46p .
- N° 52.– Catherine BONVALET et Eva LELIÈVRE, *La notion d'entourage, un outil pour l'analyse de l'évolution des réseaux individuels*, 1996, 18 p.
- N° 51.– Alexandre AVDEEV, Alain BLUM et Serge ZAKHAROV, *La mortalité a-t-elle vraiment augmenté brutalement entre 1991 et 1995?* 1996, 80 p.
- N° 50.– France MESLÉ, Vladimir SHKOLNIKOV, Véronique HERTRICH et Jacques VALLIN, *Tendances récentes de la mortalité par cause en Russie, 1965-1993*, 1995, 70 p.
 Avec, en supplément, 1 volume d'Annexes de 384 p.
- N° 49.– Jacques VALLIN, *Espérance de vie : quelle quantité pour quelle qualité de vie ?* 1995, 24 p.
- N° 48.– François HÉRAN, *Figures et légendes de la parenté:*
 I. Variations sur les figures élémentaires, 1995, 114 p.
 II. La modélisation de l'écart d'âge et la relation groupe/individu, 1995, 84 p.
 III. Trois études de cas sur l'écart d'âge: Touaregs, Alyawara, Warlpiri, 1995, 102 p.
 IV. Le roulement des alliances, 1995, 60 p.
 V. Petite géométrie fractale de la parenté, 1995, 42 p.
 VI. Arbor juris. Logique des figures de parenté au Moyen Age, 1996, 62 p.
 VII. De Granet à Lévi-Strauss, 1996, 162 p.
 VIII. Les vies parallèles. Une analyse de la co-alliance chez les Etoro de Nouvelle-Guinée, 1996, 80 p.
 IX. Ambrym ou l'énigme de la symétrie oblique : histoire d'une controverse, 1996, 136 p.
- N° 47.– Olivia EKERT-JAFFÉ, Denise ARBONVILLE et Jérôme WITTEWER, *Ce que coûtent les jeunes de 18 à 25 ans*, 1995, 122 p.
- N° 46.– Laurent TOULEMON, *Régression logistique et régression sur les risques. Deux supports de cours*, 1995, 56 p.
- N° 45.– Graziella CASELLI, France MESLÉ et Jacques VALLIN, *Le triomphe de la médecine. Évolution de la mortalité en Europe depuis le début de siècle*, 1995, 60 p.

- N° 44.– Magali BARBIERI, Alain BLUM, Elena DOLGIKH, Amon ERGASHEV, *La transition de fécondité en Ouzbékistan*, 1994, 76 p.
- N° 43.– Marc De BRAEKELEER et Gil BELLIS, *Généalogies et reconstitutions de familles en génétique humaine*, 1994, 66 p.
- N° 42.– Serge ADAMETS, Alain BLUM et Serge ZAKHAROV, *Disparités et variabilités des catastrophes démographiques en URSS*, 1994, 100 p.
- N° 41.– Alexandre AVDEEV, Alain BLUM et Irina TROITSKAJA, *L'avortement et la contraception en Russie et dans l'ex-URSS : histoire et présent*, 1993, 74 p.
- N° 40.– Gilles PISON et Annabel DESGREES DU LOU, *Bandafassi (Sénégal) : niveaux et tendances démographiques 1971-1991*, 1993, 40 p.
- N° 39.– Michel Louis LÉVY, *La dynamique des populations humaines*, 1993, 20 p.
- N° 38.– Alain BLUM, *Systèmes démographiques soviétiques*, 1992, 14 + X p.
- N° 37.– Emmanuel LAGARDE, Gilles PISON, Bernard LE GUENNO, Catherine ENEL et Cheikh SECK, *Les facteurs de risque de l'infection à VIH2 dans une région rurale du Sénégal*, 1992, 72 p.
- N° 36.– Annabel DESGREES DU LOU et Gilles PISON, *Les obstacles à la vaccination universelle des enfants des pays en développement. Une étude de cas en zone rurale au Sénégal*, 1992, 26 p.
- N° 35.– France MESLÉ, Vladimir SHKOLNIKOV et Jacques VALLIN, *La mortalité par causes en URSS de 1970 à 1987 : reconstruction de séries statistiques cohérentes*, 1992, 36 p.
- N° 34.– France MESLÉ et Jacques VALLIN, *Évolution de la mortalité par cancer et par maladies cardio-vasculaires en Europe depuis 1950*, 1992, 48 p.
- N° 33.– Didier BLANCHET, *Vieillesse et perspectives des retraites : analyses démographiques*, 1991, 120 p.
- N° 32.– Noël BONNEUIL, *Démographie de la nuptialité au XIX^e siècle*, 1990, 32 p.
- N° 31.– Jean-Paul SARDON, *L'évolution de la fécondité en France depuis un demi-siècle*, 1990, 102 p.
- N° 30.– Benoît RIANDEY, *Répertoire des enquêtes démographiques : bilan pour la France métropolitaine*, 1989, 24 p.
- N° 29.– Thérèse LOCOH, *Changement social et situations matrimoniales : les nouvelles formes d'union à Lomé*, 1989, 44 p.
- N° 28.– Catherine ENEL, Gilles PISON, et Monique LEFEBVRE, *Migrations et évolution de la nuptialité. L'exemple d'un village joola du sud du Sénégal, Mlomp*, 1989, 26 p.
(Sénégal) depuis 50 ans, 1^{ère} édition : 1989, 36 p. ; 2^{ème} édition revue et augmentée : 1990, 48 p.
- N° 27.– Nicolas BROUARD, *L'extinction des noms de famille en France : une approche*, 1989, 22 p.
- N° 26.– Gilles PISON, Monique LEFEBVRE, Catherine ENEL et Jean-François TRAPE, *L'influence des changements sanitaires sur l'évolution de la mortalité : le cas de Mlomp*
- N° 25.– Alain BLUM et Philippe FARGUES, *Estimation de la mortalité maternelle dans les pays à données incomplètes. Une application à Bamako (1974-1985) et à d'autres pays en développement*, 1989, 36 p.
- N° 24.– Jacques VALLIN et Graziella CASELLI, *Mortalité et vieillissement de la population*, 1989, 30 p.
- N° 23.– Georges TAPINOS, Didier BLANCHET et Olivia EKERT-JAFFÉ, *Population et demande de changements démographiques, demande et structure de consommation*, 1989, 46 p.
- N° 22.– Benoît RIANDEY, *Un échantillon probabiliste de A à Z : l'exemple de l'enquête Peuplement et dépeuplement de Paris. INED (1986)*, 1989, 12 p.
- N° 21.– Noël BONNEUIL et Philippe FARGUES, *Prévoir les de la mortalité. Chronique des causes de décès à Bamako de 1964 à 1985*, 1989, 44 p.
- N° 20.– France MESLÉ, *Morbidité et causes de décès chez les personnes âgées*, 1988, 18 p.

- N° 19.– Henri LERIDON, *Analyse des biographies matrimoniales dans l'enquête sur les situations familiales*, 1988, 64 p.
- N° 18.– Jacques VALLIN, *La mortalité en Europe de 1720 à 1914 : tendances à long terme et changements de structure par âge et par sexe*, 1988, 40 p.
- N° 17.– Jacques VALLIN, *Évolution sociale et baisse de la mortalité : conquête ou reconquête d'un avantage féminin ?* 1988, 36 p.
- N° 16.– Gérard CALOT et Graziella CASELLI, *La mortalité en Chine d'après le recensement de 1982:*
I.– Analyse selon le sexe et l'âge au niveau national et provincial, 1988, 72 p.
II.– Tables de mortalité par province, 1988, 112 p.
- N° 15.– Peter AABY (s'adresser à J. VALLIN), *Le surpeuplement, un facteur déterminant de la mortalité par rougeole en Afrique*, 1987, 52 p.
- N° 14.– Jacques VALLIN, *Théorie(s) de la baisse de la mortalité et situation africaine*, 1987, 44 p.
- N° 13.– Kuakuvi GBENYON et Thérèse LOCOH, *Différences de mortalité selon le sexe, dans l'enfance en Afrique au Sud du Sahara*, 1987, 30 p.
- N° 12.– Philippe FARGUES, *Les saisons et la mortalité urbaine en Afrique. Les décès à Bamako de 1974 à 1985*, 1987, 38 p.
- N° 11.– Gilles PISON, *Les jumeaux en Afrique au Sud du Sahara : fréquence, statut social et mortalité*, 1987, 48 p.
- N° 10.– Philippe FARGUES, *La migration obéit-elle à la conjoncture pétrolière dans le Golfe ? L'exemple du Koweït*, 1987, 30 p.
- N° 9.– Didier BLANCHET, *Deux études sur les relations entre démographie et systèmes de retraite*, 1986, 26 p.
- N° 8.– Didier BLANCHET, *Équilibre malthusien et liaison entre croissances économique et démographique dans les pays en développement : un modèle*, 1986, 20 p.
- N° 7.– Jacques VALLIN, France MESLÉ et Alfred NIZARD, *Reclassement des rubriques de la 8ème révision de la Classification internationale des maladies selon l'étiologie et l'anatomie*, 1986, 56 p.
- N° 6.– Philippe FARGUES, *Un apport potentiel des formations sanitaires pour mesurer la mortalité dans l'enfance en Afrique*, 1986, 34 p.
- N° 5.– Jacques VALLIN et France MESLÉ, *Les causes de décès en France de 1925 à 1978*, 1986, 36 p.
- N° 4.– Graziella CASELLI, Jacques VALLIN, J. VAUPEL et A. YASHIN, *L'évolution de la structure par âge de la mortalité en Italie et en France depuis 1900*, 1986, 28 p.
- N° 3.– Paul PAILLAT, *Le vécu du vieillissement en 1979*, 1981, 114 p.
- N° 2.– Claude LÉVY, *Aspects socio-politiques et démographiques de la planification familiale en France, en Hongrie et en Roumanie*, 1977, 248 p.
- N° 1.– Georges TAPINOS, *Les méthodes d'analyse en démographie économique*, 1976, 288 p.