

Screening of gestational carriers in the United States

03 Erika L. Fuchs, Ph.D., M.P.H. and Abbey B. Berenson, M.D., Ph.D., M.M.S.

Department of Obstetrics & Gynecology, Center for Interdisciplinary Research in Women's Health, University of Texas Medical Branch, Galveston, Texas

Objective: To assess medical and psychosocial screening and evaluation received by gestational carriers and compare those using agencies to those not using agencies.

Design: Cross-sectional questionnaire.

Setting: Online.

Patient(s): A total of 204 women who completed a survey on their experiences as gestational carriers in the United States.

Intervention(s): None.

Main Outcome Measure(s): Self-reported screening received before gestational carrier pregnancies.

Result(s): Overall, 97.1% of gestational carriers had a complete medical evaluation and 94.6% had an evaluation or counseling by a mental health professional. Most participants indicated that they had been informed of at least some medical risks (92.6%) and psychological considerations (89.7%). Participants most often recalled being informed of the risks of multiple pregnancy (89.2%) and medical procedures and medications (87.2%), but least often recalled being informed about the risks of impact on their own employment (46.6%) and to their own children (61.3%). There were no differences in outcome measures between those using an agency and those who did not.

Conclusion(s): Self-reported screening and evaluation was high, but still not 100% on all measures. Further education of providers regarding guidelines for the screening and evaluation of gestational carriers may be needed. (Fertil Steril® 2016; ■:■-■. ©2016 by American Society for Reproductive Medicine.)

Key Words: Gestational carrier, screening, infertility, surrogate

Discuss: You can discuss this article with its authors and with other ASRM members at

The use of gestational carriers (women who carry the embryo of the intended parent) (1) has increased in the United States, with gestational carrier cycles representing 2.5% of all assisted reproductive technology (ART) cycles in 2013 (2). Like other pregnancies, gestational carrier pregnancies expose women to medical and psychological health risks. Obstetric complications are not well documented, but high rates of multiple pregnancy and preterm delivery have been reported (2). A recent review indicates that gestational carriers and

traditional surrogates (women who are inseminated with the intended father's or a donor's sperm, carry the pregnancy, and relinquish the child(ren) to the intended parent(s) at birth) (3) have favorable outcomes on personality tests and most do not have problems relinquishing the children, but the quality of evidence in these studies was reported to be very low (3), thus, additional studies are needed.

There are a variety of legal issues that may be present in gestational carrier arrangements, including those involving coverage of medical bills

and custody of the resultant child(ren) (4). Laws regarding gestational carrier contracts vary by state within the United States, from no laws to surrogacy-friendly laws to complete bans (5). Private agencies specialize in the coordination of gestational carrier arrangements, which may be nonprofit or for-profit and may assist with providing or coordinating legal representation and other kinds of support. There are no federal or state laws regulating agencies or who can own or operate these agencies. Private agencies may also assist with matching a potential gestational carrier with the intended parent(s) and coordinating medical care, communication, travel, and compensation (6). Alternatively, potential gestational carriers and intended parents may meet online or in other ways and go on to make arrangements privately. Gestational carriers and intended parents may also already know one another as family members,

Received June 2, 2016; revised July 14, 2016; accepted July 21, 2016.

E.L.F. has nothing to disclose. A.B.B. has nothing to disclose.

01 Support provided by an institutional training grant from the Eunice Kennedy Shriver National Institute of Child Health and Human Development (T32HD055163: PI to A.B.B.); and participant reimbursements funds were provided by the Ruth Hartgraves in Obstetrics and Gynecology Endowment Award (to A.B.B.).

Reprint requests: Erika L. Fuchs, Ph.D., M.P.H., Department of Obstetrics & Gynecology, Center for Interdisciplinary Research in Women's Health, University of Texas Medical Branch, 301 University Boulevard, Galveston, Texas 77555 (E-mail: elfuchs@utmb.edu).

Fertility and Sterility® Vol. ■, No. ■, ■ 2016 0015-0282/\$36.00

Copyright ©2016 American Society for Reproductive Medicine, Published by Elsevier Inc.

<http://dx.doi.org/10.1016/j.fertnstert.2016.07.1111>

119 friends, or acquaintances. Regardless of how the involved
120 parties meet, they may choose to use an agency or create a pri-
121 vate agreement with or without legal representation.

122 To "...provide guidelines for screening and testing of ge-
123 netic parents and gestational carriers to reduce the possibility
124 of complications, and to address the complex medical and
125 psychological issues that confront the gestational carrier
126 and the intended parents," the American Society for Repro-
127 ductive Medicine (ASRM) and the Society for Assisted Repro-
128 ductive Technology (SART) released recommendations in
129 2012 for the use of gestational carriers (7), which were up-
130 dated in 2015 (8). These recommendations include guidelines
131 for the evaluation of potential gestational carriers based on a
132 variety of physical and mental health factors, guidelines for
133 advising potential gestational carriers about various risks,
134 and a recommendation that compensation to the gestational
135 carrier be noted in a legal contract before treatment. Guidance
136 is also provided for the evaluation of the intended parent(s).
137 Previous research has examined agency and clinic compli-
138 ance with ASRM/SART guidelines for advertising, recruit-
139 ment, and compensation for egg donors or gestational
140 carriers (9–13). However, there have been no reports on
141 compliance with guidelines for the screening of gestational
142 carriers or whether the use of an agency affects compliance.
143 The purpose of this study was to compare demographic,
144 behavioral, and screening characteristics of gestational
145 carriers residing in the United States who did and did not
146 use agencies.

147 MATERIALS AND METHODS

148 From November 2015 through February 2016, a cross-
149 sectional study was conducted. Women ≥ 18 years living in
150 the United States who had previously delivered a baby as
151 the result of being a gestational carrier or with a traditional
152 surrogacy arrangement in 2009 or later were eligible to
153 participate. Participants were recruited by posting study an-
154 nouncements in various online groups, including websites
155 and message boards, geared toward gestational carriers.
156 Recruitment materials were also sent to staff who maintain
157 e-mail lists for infertility support groups, lawyers, and
158 agencies. These staff then sent out the study announcements
159 to their e-mail lists. Eligible participants were invited to com-
160 plete an online survey about their experiences and were reim-
161 bursed with a \$5 [Amazon.com](https://www.amazon.com) gift card for their time. The first
162 screen of the online survey included a consent form. Partici-
163 pants indicated that they understood the consent form by re-
164 sponding to the question, "Do you agree to the above terms?
165 By selecting "Yes" and clicking the "Next" button, you are
166 indicating that you are at least 18 years old, have read and un-
167 derstood this consent form, and agree to participate in this
168 research study."

169 The survey included questions about participants' experi-
170 ences as gestational carriers or traditional surrogates, medical
171 and mental health screenings, health behaviors and charac-
172 teristics, use of attorneys and agencies, social support, preg-
173 nancy outcomes, compensation and reimbursement, and
174 demographic characteristics. Most participants completed
175 the survey in <20 minutes. Participants who were gestational

176 carriers or traditional surrogates more than once were asked
177 to respond regarding their most recent arrangement and
178 delivery.

179 Sample size calculations were conducted using Stata SE
180 version 14.0 (14) and were based on a *t* test to detect age dif-
181 ferences between traditional surrogates (not included in the
182 present analyses) and gestational carriers at the time of last
183 delivery. One of the original aims of the study was to examine
184 differences between traditional surrogates and gestational
185 carriers. Based on previous studies (15, 16), a mean age of
186 31 years and an SD of 5.5 were used in the calculations.
187 Multiple potential sample sizes were calculated based on
188 different potential mean ages, ranging from 26–33 years, in
189 the gestational carriers and traditional surrogates, with total
190 sample sizes ranging from 42–240 women (21–120 women/
191 group). Due to the lack of research in this area and to
192 account for potential missing data and possible unequal
193 group sizes, the largest N (240) was selected and was
194 increased by 25% for a total target sample of 300 women.
195 Recruitment ended per protocol on February 29, 2016.
196 Traditional surrogates were excluded from these analyses,
197 as the ASRM guidance was intended to be applied to
198 gestational carriers. Incomplete surveys were also excluded
199 from these analyses.

200 The primary exposure of interest was the use of an agency
201 in arranging the gestational carrier agreement. Gestational
202 carriers ($n = 204$) were asked to indicate how their most recent
203 agreement was arranged: through an agency ($n = 143$), pri-
204 vately or independently ($n = 57$), or other, please specify
205 ($n = 4$). Those who selected the privately or independently op-
206 tion were considered to not have used an agency, whereas
207 those who selected other were categorized into agency
208 ($n = 2$) or no agency ($n = 2$) based on their text responses.

209 Outcomes of interest included the receipt of medical and
210 psychosocial screening and evaluation before the start of the
211 women's most recent gestational carrier arrangement. These
212 items were based on the screening and evaluation items rec-
213 ommended by the ASRM and SART (8). Participants were
214 asked to indicate whether they had each of the following:
215 their own lawyer, received medical screenings, received a psy-
216 chosocial evaluation, been advised about several medical and
217 psychosocial risks and considerations, support from their
218 partner, family, and friends, and discussed medical and life-
219 style issues with the intended parent(s). Participants were
220 also asked about their alcohol use and their cigarette, tobacco,
221 and nicotine use in the 6 months before their most recent
222 arrangement. Whether each participant had at least one pre-
223 vious term, uncomplicated pregnancy was assessed, as well as
224 the number of live births (categorized as ≤ 5 live births and
225 >5 live births) and cesarean sections (categorized as ≤ 3 ce-
226 sarean sections and >3 cesarean sections) before the
227 arrangement.

228 Differences between gestational carriers using agencies
229 and those not using agencies in age at delivery and number
230 of own children (including biological, adopted, and step-
231 children) were assessed using two sample *t* tests with equal
232 variances. Differences between groups for all other demo-
233 graphic and outcome variables were assessed using χ^2 tests
234 and Fisher's exact tests for categorical variables. Statistical

Download English Version:

<https://daneshyari.com/en/article/5694507>

Download Persian Version:

<https://daneshyari.com/article/5694507>

[Daneshyari.com](https://daneshyari.com)