Rural Women Family Physicians: Strategies for Successful Work-Life Balance

Julie Phillips, MD, MPH1
Carol Hustedde, PhD2
Sarah Bjorkman, MD3
Rupa Prasad, MPH4
Orlando Sola, MD, MPH5
Andrea Wendling, MD1
Kurt Bjorkman, MD3
Heather Paladine, MD, MEd6

1Michigan State University College of Human Medicine, Grand Rapids, Michigan
2University of Kentucky College of Medicine, Lexington, Kentucky
3Yale University School of Medicine, New Haven, Connecticut
4University of Miami Miller School of Medicine, Miami, Florida
5Mount Sinai Hospital Family Medicine Residency Program, Chicago, Illinois
6Columbia University College of Physicians and Surgeons, New York, New York

ABSTRACT

PURPOSE Women family physicians experience challenges in maintaining work-life balance while practicing in rural communities. We sought to better understand the personal and professional strategies that enable women in rural family medicine to balance work and personal demands and achieve long-term career satisfaction.

METHODS Women family physicians practicing in rural communities in the United States were interviewed using a semistructured format. Interviews were recorded, professionally transcribed, and analyzed using an immersion and crystallization approach, followed by detailed coding of emergent themes.

RESULTS The 25 participants described a set of strategies that facilitated successful work-life balance. First, they used reduced or flexible work hours to help achieve balance with personal roles. Second, many had supportive relationships with spouses and partners, parents, or other members of the community, which facilitated their ability to be readily available to their patients. Third, participants maintained clear boundaries around their work lives, which helped them to have adequate time for parenting, recreation, and rest.

CONCLUSIONS Women family physicians can build successful careers in rural communities, but supportive employers, relationships, and patient approaches provide a foundation for this success. Educators, employers, communities, and policymakers can adapt their practices to help women family physicians thrive in rural communities.

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INTRODUCTION

The United States faces a chronic, severe shortage of rural physicians, which has a negative impact on population health.1-4 Rural America is economically, socially, and environmentally diverse, yet residents of rural communities share common difficulties accessing health care, including longer distances to care, and a disproportionate shortage of women and minority physicians.5-8 A lack of women rural physicians especially limits access to care for women patients, who often prefer women clinicians and appear to complete more screening tests when seen by women.9 Rural female physicians are also more likely to attend births than male peers,10,11 an important practice characteristic as many rural areas have a shortage of obstetrics professionals.12,13 Promoting the success of women family physicians in rural communities is therefore important for community health.

Acknowledging that women are an essential component of the rural physician workforce,6 several studies have explored what factors attract women to rural practice and enable their success. Many rural physicians have had rural life experience,14-16 Previous studies have described common joys associated with rural practice, including multidimensional patient relationships,16-18 the variety and professional challenges associated with a broad scope of practice,10,18 the opportunity to serve one’s community,17,20 clinical autonomy,17 and the attractions of small town life.17,18,20 Rural women

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CORRESPONDING AUTHOR
Julie Phillips, MD, MPH
788 Service Rd, Room B114
East Lansing, MI 48824
julie.phillips@hc.msu.edu
physicians who are most professionally satisfied report feeling connected with their communities and having control over their work environment. Interestingly, rural female physicians are more likely than their male counterparts to anticipate long-term rural careers. Women physicians also report noteworthy challenges, however. Compared with their urban peers, these physicians have fewer community resources, work more hours, and care for more patients. They tend to be dissatisfied with the amount of time spent away from their practices and are more likely to be balancing professional and personal obligations, including childcare, than their male counterparts. Compared with male peers, women rural physicians are also more likely to report professional isolation and lack of privacy.

Interestingly, in survey studies such as these, the challenges and joys of rural practice are acknowledged by the same physicians. Women who are successfully practicing rural medicine have found a balance whereby the value outweighs the challenge of a profession that is both demanding and fulfilling. Understanding the personal and professional strategies that have enabled some female physicians to build successful, durable, and satisfying rural careers may inform women contemplating careers in rural medicine, as well as rural communities hoping to recruit and retain female physicians.

To that end, using a phenomenologic research design, we interviewed women family physicians actively engaged in rural practice, exploring the question, how do these physicians balance their professional and personal lives?

METHODS

We recruited women family physicians from across the United States, using the e-mail contact lists of rural health care organizations, listservs of the Society of Teachers of Family Medicine and the American Academy of Family Physicians, newsletters, and snowball sampling. We enrolled 25 respondents who self-identified as women family physicians, active in a rural medical practice. Rural practice locations were confirmed, with rural defined as having a practice zip code corresponding to a Rural-Urban Commuting Area level of 7 or higher. Gift cards incentivized participation.

Interviews were completed in 2012. The interviewers included 2 medical students, a public health student, 2 family physicians, and a medical educator; all described themselves to participants as researchers. We pilot tested the script with physician colleagues to refine questions and allow interviewers to practice. Interviewers used a semistructured format, first asking scripted questions, using verbatim phrasing to ensure consistency, and then asking follow-up questions to clarify responses and explore topics in greater depth. Questions pertinent to this manuscript are listed in Table 1.

Interviews were recorded and professionally transcribed. After several interviews, additional questions were developed to explore some topics in greater depth. Transcripts were analyzed using an immersion and crystallization approach, and a list of emergent themes was developed. Themes were expanded and explored in detail by searching transcripts for commonalities and differences in patterning of statements. Interviews were listened to, read, and re-read iteratively.

Table 1. Key Interview Questions

| Topic                        | Questions                                                                 |
|------------------------------|--------------------------------------------------------------------------|
| Work hours and patterns      | Do you work full time or part time?                                      |
|                              | About how many hours a week do you work?                                 |
|                              | Does this include time on inpatient floors/ED coverage?                   |
|                              | Do you take call?                                                        |
|                              | Do you practice OB?                                                      |
|                              | Would you like your schedule to be different?                            |
|                              | What motivates you to work as hard as you do?                            |
|                              | Did you grow up in a rural setting?                                      |
|                              | Did your medical school/residency have a rural focus?                    |
|                              | Did you do a fellowship?                                                 |
|                              | When you met your partner, did you know you were interested in rural practice? |
|                              | Did your career plans affect the spouse that you chose?                  |
|                              | What advice would you give a female resident or student considering rural practice? |
| Spouse relationships and roles| Are you married or do you have a partner?                                |
|                              | Do you have any children? How many? How old are they?                    |
|                              | Does your partner work? What kind of work does he/she do?                |
|                              | [If partner/spouse works part time or doesn’t work outside the home]:    |
|                              | • How did you come to that decision?                                     |
|                              | • What has that meant to you as a couple?                                 |
|                              | • Have you made financial sacrifices to make this work?                  |
| Work-life balance            | What do you see as the challenges for women in rural practice?           |
|                              | How are you managing with your work-life balance?                        |
|                              | How do you bring your work life and personal life work in balance?       |
|                              | How do you prioritize your responsibilities?                             |
|                              | What aspect of your work is most challenging?                            |
|                              | How has your career affected your family?                                |
|                              | What part does your partner play in your work-life balance?              |
|                              | What solutions have you found?                                           |

ED = emergency department; OB = obstetrics.
tively by multiple team members, and through group discussion, we developed a detailed coding manual. Each interview was coded by at least 2 researchers, with the assistance of NVivo software (QSR International), creating an audit trail. We looked for heterogeneity within themes, searching for disconfirming evidence and including minority perspectives. Codes were cross-checked, and disagreements were discussed until consensus was reached (code-recode strategy). The emergent themes were critically examined to identify new discourse. Researchers engaged in a continuous process of reflexivity.

The study was approved by the institutional review boards of Michigan State University, Columbia University, and the University of Kentucky.

RESULTS

We completed and analyzed 25 interviews. Participant demographic characteristics are shown in Table 2. The interviewed physicians represented geographically diverse states (Figure 1). Participants also varied considerably with respect to ages and life stages, but not race and ethnicity, and none described having female partners.

Participants described many inherent rewards of rural practice, but also detailed conflicts between their professional demands and family lives. Some were usually able to maintain balance, but experienced intermittent periods of considerable stress. Women with young children and those new to rural practice described this stress most acutely. Although we will focus on successful women’s strategies as themes, the experiences of women with precarious work-life balance are also illustrative. Participants described several strategies that facilitated successful work-life balance, and many combined different approaches, shown in Table 3 and discussed below.

Variations in Work Hours and Flexibility

Most participants worked full time, and the large majority of this group were satisfied putting in this number of hours. Full-time work was financially advantageous and facilitated a broad scope of practice. One-third of the study participants, however, worked a reduced schedule, and they identified doing so as a strategy to improve work-life balance and wellness. These “part-time” physicians often had very full schedules, however, despite working less than their

| Characteristic          | Participants, No. (%) | Characteristic                                      | Participants, No. (%) |
|-------------------------|-----------------------|----------------------------------------------------|-----------------------|
| Age, y                  |                        | Practice scope                                      |                       |
| ≤34                     | 4 (16)                | Outpatient only                                    | 1 (4)                 |
| 35-44                   | 12 (48)               | Practice includes inpatient or after-hours care     | 21 (84)               |
| 45-54                   | 7 (28)                | Practice includes obstetrics                       | 14 (56)               |
| ≥55                     | 2 (8)                 | Partner work a                                     |                       |
| Race                    |                        | Full time                                          | 9 (41)                |
| Caucasian (white)       | 24 (96)               | Part time                                          | 7 (32)                |
| Non-white               | 1 (4)                 | Telecommutes/works from home                       | 6 (27)                |
| Rural origina           | 15 (60)               | Not employed                                       | 4 (18)                |
| Yes                     | 10 (40)               | Student                                            | 2 (9)                 |
| No                      |                        | Professional                                        | 13 (59)               |
| Marital status          |                        | First-/mid-level officer and managerc              | 3 (14)                |
| Married                 | 19 (76)               | Craft workerc                                      | 1 (5)                 |
| Partnered but not married | 3 (12)            | Sales workerc                                      | 1 (5)                 |
| Single                  | 3 (12)                | Practice type                                       |                       |
| Children                |                        | Hospital-owned group practice                     | 8 (32)                |
| Yes, adult children only | 4 (16)                | Group private practice                             | 5 (20)                |
| Yes, minor children living in household | 16 (64) | Solo private practice                             | 5 (20)                |
| No                      | 5 (20)                | Federally qualified health center/rural health clinic | 6 (24)              |
| Self-reported average weekly practice hours | | Indian Health Service | 1 (4) |
| Part time, <40 hours    | 4 (16)                |                                                     |                       |
| Part time, ≥40 hours    | 2 (8)                 |                                                     |                       |
| Full time, 40-60 hours  | 14 (56)               |                                                     |                       |
| Full time, >60 hours    | 5 (20)                |                                                     |                       |

a Lived in rural community before age 18.

b Data for only the 22 respondents who were married or partnered.

Table 2. Characteristics of the Participants, Their Practices, and Their Partners’ Work (N = 25)

| Characteristic          | Participants, No. (%) | Characteristic                                      | Participants, No. (%) |
|-------------------------|-----------------------|----------------------------------------------------|-----------------------|
| Practice scope          |                       |                                                    |                       |
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| Practice includes obstetrics | 14 (56)          |                                                    |                       |
| Partner worka           |                       |                                                    |                       |
| Full time               | 9 (41)                |                                                    |                       |
| Part time               | 7 (32)                |                                                    |                       |
| Telecommutes/works from home | 6 (27)       |                                                    |                       |
| Not employed            | 4 (18)                |                                                    |                       |
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| Craft workerc           | 1 (5)                 |                                                    |                       |
| Sales workerc           | 1 (5)                 |                                                    |                       |
| Practice type           |                       |                                                    |                       |
| Hospital-owned group practice | 8 (32)     |                                                    |                       |
| Group private practice  | 5 (20)                |                                                    |                       |
| Solo private practice   | 5 (20)                |                                                    |                       |
| Federally qualified health center/rural health clinic | 6 (24) | |                       |
| Indian Health Service   | 1 (4)                 |                                                    |                       |
colleagues. Some physicians had worked fewer hours at demanding times in their personal lives, for example, while they had young children.

A number of participants worked more than desired in response to community needs. For example, 1 physician’s group provided inpatient care, even though this wasn’t the group’s wish, because no other physicians were available to manage hospitalized patients. Another had increased her office schedule to accommodate the loss of a physician from the practice: “I’ve picked up an extra half day to help out.” (Physician 6)

These practices were often working to recruit staff or partners. One physician said, “I definitely need a nurse practitioner… I’ve taken 1 vacation since I opened my private practice [2 years ago]… I need to have a day off during the week… having a half-day to do administrative work would be really nice, too.” (Physician 15) Another said, “Having just 1 more person to share the c-section call with would be key. It is hard… for people to take sustained time off. You go away for 2 or 3 weeks, that’s really hard on the others.” (Physician 16)

Others worked in settings in which part-time arrangements were not possible; this situation under-mined satisfaction. One said, “My friends… [are] working 4-day weeks, outpatient-only practice, and sometimes just I feel so jealous… What I would give for just 1 day less of work a week… I don’t have that option.” (Physician 23)

Both part-time and full-time physicians emphasized that work flexibility was very important. For some, a reduced schedule allowed more control over their time: “The fact that I work part time makes it easier for me to be flexible because I can flex into those days that I don’t work, usually.” (Physician 4) Another interviewee, with more rigid scheduling, stated, “That’s probably the biggest thing that I wonder about staying here for. It’s not the call, it’s not being in a rural area, it’s just that my current work situation feels very inflexible.” (Physician 23)

Most participants had chosen to practice in a rural community, in part, because they could maintain a broad scope of practice. Many practiced obstetrics, cared for inpatients, made home visits, and delivered urgent and emergency care, in addition to their outpatient office practice. With this broad scope of practice comes unpredictability. We asked interviewees to estimate how many hours they worked each week. Many could not provide a clear number because their work...
Table 3. Key Strategies Supporting Rural Practice and Representative Quotes

| Strategy                        | Representative Quotes                                                                                                                                                                                                 |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variations in work hours and flexibility | “Being part time and resisting the temptation to go more full time just because you’d like more money has absolutely been key for me... if I didn’t have those days in between to recharge... or do the laundry, for heaven’s sake, I don’t know how I would have raised kids...” (Physician 16) |
|                                 | “I have a lot of control over my schedule, and so even if I need to be at something for the kids, I can say, ‘Okay, I’m not going to be here Friday, and instead I can work Tuesday...’ The flexibility is a big deal.” (Physician 4) |
|                                 | “When you’re not totally stressed the house is clean and dinner is made and your charts are done and maybe you exercise. And when that kind of shifts as the pendulum swings... we need cereal and the house is dirty and my charts pile up, and then I just get through it and then it swings back, and then I have a little space... People say you have to have separation or you have to keep a bright line, but actually I find that having a flexible line between work and home seems to help with balance.” (Physician 1) |
| Supportive relationships        | “He stayed home with the kids until about 3 or 4 years ago, and so he was what I always called the responsible parent. He could be depended on to get them where they needed to get to, and then I would get there when I could.” (Physician 17) |
|                                 | “He definitely accommodated my training and where we needed to be. The moves were all dependent on where I was going to go.” (Physician 13)                                                                                                                                     |
|                                 | “My husband and I met in medical school, and we knew that we both wanted to be rural family docs; when we met, that’s what we met saying.” (Physician 4)                                                                                                                                   |
|                                 | “He’s doing the same job I am, so we pretty much share things at home. I mean, we both cut the grass, and we both clean, cook, and we took care of the kids... It’s really worked out well for us.” (Physician 4)                                                                 |
|                                 | “If I needed [my mother] to come over at 2 in the morning because I had a patient in labor, she came over... So she knows my call schedule and knows what’s going on.” (Physician 25)                                                                 |
|                                 | “My babysitter is very understanding, and what she’s told me is, ‘You know, if you have an emergency, just call me and let me know.” (Physician 21)                                                                                                                                   |
| Clear boundaries around work     | “The doctor that founded our practice missed all of his kids’ stuff growing up because he was always on call, and people would always drop by, and he would drop everything. And so there was a lot of reeducating my patients... there was a little bit of resistance maybe from some people, but the vast majority of people were very understanding.” (Physician 17) |

was so variable. One answered, “Between 40 and 80.” (Physician 13)

Participants described an acceptance of this unpredictability, however, and a willingness to adapt to their changing circumstances. They varied the time they gave to family and recreation based on professional demands. Supportive partners with flexible schedules often facilitated this acceptance.

Supportive Relationships

Many participants described the support of their life partners as essential for career success. When asked “What advice would you give a female resident or student considering rural practice?” participants often recommended finding a supportive spouse. One said, “If I have to stop twice a month and drop what I’m doing to [deliver] a baby, I have to have somebody who is willing to watch the rest of the family and make sure that the stove gets turned off... without that you can’t have that job.” (Physician 9)

Respondents often acknowledged that their partners had made sacrifices in order to live in rural areas: “I think he’s happy now that we’re [in this community], but he has had to give up a fair amount for this. This was all really for me.” (Physician 10) They emphasized that without those sacrifices, their chosen professions would not be possible. Some spouses had left more desirable employment to allow their partners to pursue rural practice. Respondents often described an understanding that their own careers took priority over those of their male partners. Many partners were self-employed or worked part-time (Table 2). Some had professional careers but worked remotely with urban colleagues. Other partners came from rural communities, had rural occupations (such as farming), and strongly desired rural life.

The few participants whose partners would not, or could not, support the demands of their work planned to leave their positions in the near future. For example, 1 physician whose husband occasionally traveled for work felt that her current practice was not sustainable because she did not have a dependable caregiver for her child, should she be called for a delivery while her spouse was gone. She anticipated leaving her practice within the next year.

Often, male partners maintained primary responsibility for managing the household and caring for children. By taking this caregiver role, they allowed their physician partners to be more available to patients. One physician described her husband as “the glue” that holds the household together. (Physician 19)

Several other study participants were married to physicians in the same practice. In all of these 2-physician partnerships, 1 or both partners worked part time. These women described fairly egalitarian relationships, in which household work was distributed based on availability. One explained, “Every day, there’s someone who’s home in the afternoon... [who] meets the bus... that person does homework and music practice and dinner while the other person...”
is finishing work… Whoever is working hits home at
dinnertime, and so dinner’s ready, and then we have
dinner together and then hang with the kids and hang
together until everybody gets in bed. And then if we
have charts left over, we do them after…” (Physician
4) Having a spouse with the same occupation helped
facilitate understanding and support for the demands
of rural practice. “I have a built-in someone to talk to
about a bad day… we can spend a lot of time trying to
work through difficult things.” (Physician 2)

Many participants had developed an interest in
rural medicine before or during medical school, and
sought out life partners who were willing to live in a
rural community. For some, practicing in a rural com-

munity was a way to return home or to return to a
community like their home community; 60% of our
study sample was of rural origin (Table 2). Others had
chosen rural practice because their partner had rural
ties, made a mutual decision to move to a rural com-

munity with their partner, or chosen their partner after
their rural career developed.

Finally, some families relied heavily on grandparents
for assistance with child care. Often, physicians or their
partners returned to their parents’ communities, in part,
because this support would be available. Others were
able to identify flexible caregivers outside the family.

Participants had the most difficulty finding child
care for emergencies and call nights. One explained,
“I’ve had a lot of people who… say, ‘Hey, if you’re on
call, we can help with [your child],’ but I don’t think
they understand…I have to literally be able to run
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it’s not practical for me to pack up my daughter and
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challenges of what this job means.” (Physician
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Although finding child care was frequently identified
as a challenge, most study participants were able to
arrange satisfying child care.

Clear Boundaries Around Work
Participants often stated that limiting their work and
protecting personal time was essential for their well-
being. Although they defined boundaries differently,
nearly all described limiting patient care to allow
adequate time for vacation, recreation, and parenting.
Most were part of group practices, allowing others to
“cover” their patients. Even those in solo practice, how-
ever, described the need to maintain personal time, for
example: “Once a year I take a… vacation out of the
country, [and] I don’t work Sundays.” (Physician 3)

Some physicians reframed patient expectations
in order to maintain their wellness. For example, 1
described being approached in public places, or called
at home by patients when not working. She responded
by “keep[ing]… a bit distant so that they realize that’s
not okay.” She also redirected them, “I’ll give them
a bit of advice but then say, ‘Call Tuesday morning
and bring them in.’” (Physician 10) Another reminded
patients, “I’m a mom, too… when I’m not [on call] my
partner is going to be covering because I need to be
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When conflicts arose between patient care and
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tress. Although they acknowledged the importance of
caring for themselves and their families, they felt guilty
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DISCUSSION
Women in rural family medicine continue to experi-
ence challenges in balancing the demands of work
with the needs of family life. This study adds unique
information to current literature by exploring ways
these physicians are meeting these challenges. The
opportunity for variable and flexible work scheduling,
as well as the support of spouses, life partners, or other
family members, were cited as key facilitating fac-
tors. Although physicians in our study reported a high
sense of personal responsibility for patients, they also
protected time with their families and their own need
for rest and recovery. Remaining open to the unpre-
dictable nature of rural practice helped them adapt to
patients’ changing needs.

The results suggest that women physicians consider-
rural practice may be more satisfied and successful
if they seek flexible employers and choose communities
where support is available, or if they look for ways to
build support networks as they are choosing practice
settings. They may also benefit from developing strate-
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Educators can help students and residents develop
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tors might also consider talking explicitly with learners about seeking life partners who are willing and able to support rural practice careers, if relevant.31

Our findings have important implications for future research. It would be useful to discover whether contemporary men in rural practice face similar challenges and have undertaken similar coping strategies. Greater gender equality within physician partnerships34 appears to facilitate contemporary women physicians’ ability to build and sustain careers in rural medicine, but this same movement toward equality may make rural practice more challenging for men, who are also more likely to have long-term 2-career relationships. It would also be useful to quantitatively explore the prevalence of these coping strategies, and how they vary with age, racial and ethnic background, region, parenting styles and beliefs, and family structure. Finally, the hidden cost of rural practice for supporting partners and spouses of both genders should be explored further.

Although many women in our study had built successful careers, the obstacles to rural practice should not be minimized. Women with young children, and those new to rural practice, found this work particularly challenging. Meeting patients’ needs often required tremendous support from their families and communities. Simply creating this support took major effort. Rural practices should consider the needs of families when recruiting and retaining physicians, and should explore ways to support flexible scheduling and adequate family and personal time. Communities could also provide readily available child care, even in the middle of the night. By intentionally assessing and responding to individual physician and family needs, practices and communities may be able to create solutions that better support women physicians’ long-term satisfaction and success. Although our study was specific to rural physicians, its results also demonstrate the importance of creating national policies that support all working women and their families.

This study had some limitations. Our sample lacked diversity in the race, ethnicity, marital status, and sexual orientation of participants. Although the single women we interviewed had unique challenges, we did not have a sufficient sample size of single women to reach saturation in describing their experiences. Thus, this article focuses primarily on the experiences of physicians in long-term heterosexual relationships who have children in the home or have raised children in the past.

Approximately 84% of rural primary care physicians in the United States are non-Hispanic white.35 We could not find demographic descriptions of rural women family physicians in the literature, but it is possible that our methodology resulted in a sample that does not reflect this population. In particular, underrepresented minority women practicing in rural communities may have different experiences. This limitation is important because although many rural counties are predominantly non-Hispanic white, high numbers of African American, Hispanic, and Native American populations are geographically concentrated in several rural regions, often where health care disparities are the most acute.16-18 Finally, the study results may be influenced by our interpretation as researchers; we sought to minimize this bias by engaging in a continuous process of reflexivity.

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