Effects of Country & Age on Work Engagement, Job Satisfaction, & Organizational Commitment Among Employees in China

Findings from the Generations of Talent Study

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Key Findings & Employer Considerations

INTRODUCTION

The Generations of Talent Study gathered data from 11,298 individuals working at 24 different worksites in 11 countries. For this report, we used information about employees in all 11 of these countries.

As indicated by the table below, we identify the countries as belonging to one of two groups: those with older populations and developed economies and those with younger populations and developing economies.

<table>
<thead>
<tr>
<th>“Old-Developed Countries”</th>
<th>“Young-Developing Countries”</th>
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<tr>
<td>Japan</td>
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<td>Botswana</td>
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AGE FACTORS

Among the respondents to the Generations of Talent Study:

A higher percentage of respondents working at sites in China are under the age of 30 (32.5%) compared to those working at sites in the “old-developed” countries (10.1%), such as Japan, the U.K., and the U.S. However, there are fewer respondents under the age of 30 working at sites in China compared to the other “young-developing” countries (48.8%), including Brazil and India (see page 22).

Employers with sites in China may want to consider whether their employees are similar to the sample participating in the Generations of Talent Study, or if the age composition of their workforce is different. Indeed, while 32.5% of respondents in China reported being under the age of 30, fully half (53.1%) reported being between the ages of 30-39, with an additional 10.0% being aged 40-49. If employers with sites in China have similar workforce composition, these employers may need to focus their attention on assessing talent management policies to provide more leadership and advancement opportunities for workers under the age of 30 as well as workers aged 30-39.

Among those working at sites in the China, a greater percentage report being early career respondents (50.7%) than those working at sites in the “old-developed” countries (22.5%). Respondents from the China in early career range from 21 to 85 years, while those who consider themselves as late career range from age 29 to 60 years (see page 23).

Employers in China who find that they have relatively higher percentages of early to mid-career employees might want to re-assess supports for these employees. For example, resources such as training programs can ensure that skills and competencies are developed and professional experiences can be provided to prepare early and mid-career employees for the leadership roles they are likely to assume in the context of China’s multi-generational workforce.

The Sloan Center on Aging & Work
A lower percentage working at sites in China report having child care responsibilities (31.9%), compared to those at sites in the “old-developed” countries (40.3%). However, a higher percentage of participants from sites in China report having elder care responsibilities (11.5%) than those in the “old-developed” countries (7.1%) (see page 25).

- Employers with sites in China who find that higher percentages of their employees have child care or elder care demands might want to consider how such demands affect their work and the work of their teams. For example, employers with sites in China may need to consider policies to support employees in their child care responsibilities by providing flexible work options, such as options for schedule flexibility or reduced work hours, or other employee benefits that can either reduce work-family conflict or promote positive spillover from work to home.

WORK ENGAGEMENT

Among the respondents to the Generations of Talent Study:

The work engagement of respondents working in China does not significantly differ from the work engagement of respondents in the other “young-developing” countries, including Brazil and India, or the “old-developed” countries, including the U.S., the U.K. and Japan (see page 31).

More than three-quarters (78.4%) of respondents working at sites in China feel that “time flies” when they are working very often or always. Two-thirds (66.8% and 65.5%) very often or always “feel like going to work” when they get up in the morning and “feel strong and vigorous at their job.” Less than half (47.1%) report that very often or always “feel bursting with energy” at their work (see page 30).

Work engagement is moderately high overall, as reported by respondents from worksites in China. Specifically, work engagement for respondents at the worksites in China is significantly higher among respondents in early and mid-career than respondents in late career. However, no significant differences exist between age groups or respondents in different life stages (see page 32).

- Some employers in China may find that the drivers of engagement (such as offering employees challenging job assignments) have a positive impact on all employees, regardless of age-related factors. Employers with sites in China who find that engagement is lower among their late career employees might want to consider options for boosting these employees' absorption and vigor they derive from their work. In these situations, the companies might decide to focus on universal strategies (such as the adoption of flexible work options) that are important to employees across age and career stage groups rather than on programs targeted to specific groups of workers (such as those in late career).
JOB SATISFACTION

Among the respondents to the Generations of Talent Study:

Job satisfaction among respondents at worksites in China does not significantly differ from the job satisfaction of respondents in the “old-developed” countries, such as Japan and the United States, or the other “young-developing” countries, such as Brazil and India (see page 35).

Among respondents working at sites in China, 85.2% are moderately to strongly satisfied with their relationships with their subordinates. By contrast, three-fourths (76.5%) are moderately to strongly satisfied with relationships with their peer/co-workers, while two-thirds (62.9%) are moderately to strongly satisfied with relationships with their supervisors. Half (51.2%) report being moderately to strongly satisfied with the sense of accomplishment they get from work. However, only one-third (33.0%) are moderately to strongly satisfied with benefits that promote health, wellness, and psychological wellbeing (see page 34).

While overall job satisfaction is moderately high among respondents at worksites in China, job satisfaction is significantly higher among respondents under the age of 30, compared to older age cohorts at these worksites. In addition, job satisfaction is higher for early career respondents, as compared to mid- and late career respondents at worksites in China (see page 35-36).

- Employers with sites in China who find that levels of job satisfaction vary among employees might want to consider whether different aspects of particular jobs matter more or less to employees at different ages. Given that 90% of adults aged 25-49 are in the Chinese workforce (see page 16), employers in China wishing to retain organizational knowledge and competencies might want to pay particular attention to the job satisfaction of employees aged 30 and older, especially if satisfaction rates begin to decline. In addition, employers with sites in China may wish to explore what elements of a job could affect the satisfaction of mid- to late career employees. In these situations, employers could assess whether benefits for these employees, such as health programs, or training opportunities, might both increase satisfaction while also, potentially, positively affecting employee/knowledge retention.
Among the respondents to the Generations of Talent Study:

Organizational commitment among respondents at worksites in China does not significantly differ from the organizational commitment of respondents in the other “young-developing” countries and the “old-developed” countries participating in the GOT study (see page 39).

Altogether, roughly four in five (79.7%) respondents at worksites in China moderately to strongly agree that they are “willing to work harder than they have to” in order to help their organization succeed. Two-thirds (67.9% and 66.9%, respectively) moderately to strongly agree that they feel “proud to be working” for their organization and that they “talk up their organization to their friends as a great organization to work for.” Even so, less than one-third (29.6%) moderately to strongly agree that they would “take almost any job to keep working” for their organization (see page 38).

Organizational commitment is higher for respondents in early career at worksites in China, compared to those in mid- or late career. However, organizational commitment among respondents at sites in China does not significantly differ for respondents of different ages or life stages (see page 39).

- It can be heartening for employers when employees report high levels of organizational commitment. The challenge, of course, is to discover ways to maintain positive employee attitudes. However, when employers find that levels of commitment vary by career stage, employers may be able to foster high levels of commitment by reflecting on the relationships employees have both with the organization (overall) and with their jobs. Employers may find that they are able to stimulate and sustain increased levels of organizational commitment among, for example, mid- to late career employees, if they engage these employees in discussions about career development opportunities at the company, which indicate that the organization is interested in their future.
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## References
Introduction

Among the many challenges facing global employers, three trends have significant business implications:

1. The effects of the global economic downturn,
2. The globalization of talent (multinational and multicultural workforces), and
3. Dramatic changes in the age composition of the workforce, which vary from country to country.

According to the results from a recent *McKinsey Global Survey*, more than 50% of corporate executives consider these global trends “very” or “extremely” important in a wide range of areas of their businesses, including talent management strategy as well as new product development and reputation building. To date, however, few employers are taking a proactive approach to managing the effects of these global trends. Why? Possibly, because recognizing these trends is the easy part. Securing the right kind of information needed for sound decision-making might be notably difficult.

To gather business-relevant information about the work experiences of employees of different ages who work in different countries, the Sloan Center on Aging & Work at Boston College conducted the Generations of Talent (GOT) Study. The study focused on two key questions:

- Do employees’ perceptions of their work experiences vary depending on the country where they work?
- Do employees’ perceptions of their work experiences vary depending on their age related factors such as chronological age, career stage, and life stage?

From May 2009 through November 2010, we collaborated with seven multinational employers to design and implement the GOT survey. In total, 11,298 employees, from 24 worksites in 11 different countries where these enterprises operate, responded to the survey.

Focusing on China, this report is one in a series of reports which summarizes selected findings from the Generations of Talent Study on a country-by-country basis. This report relies on data from 1,532 employees employed by three multinational companies in China.

The report is organized into four major sections:

*Section 1: The Context of China: Demographic and Economic Highlights*

- In this section, we provide selected background information about the demographic and economic context in China.

*Section 2: Experiences of Aging*

- In this section, we focus on age experiences that are related to chronological age, career stage, and life stage (indicated by dependent care).
Section 3: Work Outcomes

- **Work Engagement among Employees in China—A Comparative Perspective:** Work engagement is an indicator of employees' connection to their work. Highly engaged employees experience a positive, enthusiastic, and affective connection with their work that motivates them to invest in getting the job done well. In this section, we examine how country, age, career stage, and life stage influence work engagement among respondents at the worksites in China.

- **Job Satisfaction among Employees in China—A Comparative Perspective:** Job satisfaction is an indicator that can be related to a range of important work behaviors and decisions, such as the decision to either leave or remain with an employer. In this section, we examine how country, age, career stage, and life stage influence job satisfaction among respondents at the worksites in China.

- **Organizational Commitment among Employees in China—A Comparative Perspective:** Organizational commitment can help employers to gain insight about the general morale among employees. In this section, we examine how country, age, career stage, and life stage influence organizational commitment among respondents at the worksites in China.

Section 4: Methodological Notes

- In this section, we briefly provide characteristics of the sample and data collection methods.
Section 1: The Context of China: Demographic and Economic Highlights

Demographic changes and economic globalization are worldwide phenomena, but not every country is experiencing these trends in the same manner. These global trends have precipitated different opportunities and challenges for people working in different countries.

In this section of the report, we provide a framework and indicators for understanding the current context in China compared to the demographic and economic conditions in other countries. Figure 1.0 illustrates a way to consider the interaction between age demographics and key characteristics of the economy across 11 countries where the Generations of Talent (GOT) Study data were collected: Botswana, Brazil, China, India, Brazil, Mexico, the Netherlands, South Africa, Spain, the United Kingdom, and the United States.

We have selected six age demographic indicators and three economic indicators to distinguish China in the above framework.

1.1 Age Demographics

Various statistics can differently portray the age of a country's population, such as the distribution of its population, the average years of life expectancy, or the median age of the population. The following statistics offer insights about China's age demographics.

---

1 The terms ‘developed economies’ and ‘developing economies’ are often used by academics and organizations to describe the extent of economic development according to selected criteria. Although we have used these terms in this report, we recognize that perspectives about economic development are only relative. Furthermore, given the volatility of economic circumstances in the 21st century, we may be witnessing significant shifts in the economic conditions in some countries.
1.1.1 Distribution of Population

The age distribution in countries with ‘young’ populations tends to resemble the traditional population pyramid, where there is a greater proportion of younger people compared to older people. By contrast, the age distribution in countries with ‘old’ populations tends to resemble a rectangle, indicating that the percentage of older cohorts is similar to younger cohorts.

The population pyramid of China has a peculiar shape, neither resembling the standard pyramid nor the population rectangle. It has a very narrow peak and slightly wider base, but the most noticeable feature is the significantly wide band in the middle, indicating the relatively large size of the population belonging to the age groups of 15–49 years.²

Figure 1.1.1 Population Distribution in China, 2010 (by percentage)

Source: U.S. Census Bureau (2010)³

1.1.2 Life Expectancy

Indicated in Figure 1.1.2, the average life expectancy in China over the period of 2005-2010 was 73 years, considerably lower than countries such as Spain and Japan, but higher than some others like South Africa and Botswana.³
Figure 1.1.2  Life Expectancy, 2005-2010


1.1.3 Median Age

As noted in Figure 1.1.3, the median age in China as of 2010 was 34.2 years, placing it in the middle of our 11 country sample.

Figure 1.1.3  Median Age, 2010

The proportion of the population aged 65 and older in China was about 8.2% as of 2010, just below the average for our sample (see Figure 1.1.4). Among the countries participating in the GOT Study, the average percentage of the population aged 65 and older was 10.8%. The percentage of the age 65 and older population in Japan, Spain, the U.K., the U.S., and the Netherlands was higher than 10.8% and the percentage of the age 65+ population in the other countries is lower than 10.8%.

Figure 1.1.4 Percentage of Population Aged 65 and Older, 2010

Source: OECD (2010)

Note: Data for Botswana are from United Nations (2010). The data show the “predicted” percentage of population aged 65 and older.
1.1.5  Historical Changes in the Age Demographics

The percentage of older adults (65 and above) in the total Chinese population has displayed a mild rise from 4.5% to 8.2% during the past six decades, as shown in Figure 1.1.5. However, this share is expected to accelerate sharply, reaching 23.3% by 2050.\(^4\)

Figure 1.1.5  Historical Changes in Age Demographics: Older Adult (65 and above)
Population as a Percentage of Total Population, 1950-2050

Source: OECD (2010).\(^4\) Data for Botswana are from United Nations (2010).\(^1\)
1.1.6 Age Distribution of Economically Active Population

In 2009, the proportion of economically active population in China across all age groups between 25 and 49 was above 90%, as depicted in Figure 1.1.6. By contrast, the proportion of economically active older adults (aged 65 and above) was nearly 20%.

Figure 1.1.6 Economically Active Population Rates by Age in China, 2009

Source: ILO (2010)
1.2 ECONOMIC INDICATORS

A number of economic indicators such as industry sector structure, GNI per capita\textsuperscript{ii}, or GDP growth rate\textsuperscript{iii} can help distinguish developed economies from developing economies.

1.2.1 Composition of the Labor Force by Industry Sector

In countries with developed economies, the share of the labor force in the service sector dominates the employment contribution of agriculture as well as industry.\textsuperscript{iv} On the other hand, a significant portion of the labor force in many developing economies is employed in agriculture and industry. As depicted in Figure 1.2.1, agriculture employs almost 40% of the total labor force in China, followed by the service sector (33.2%) and industry (27.2%). More than two-thirds of the total labor force in China is engaged outside the service sector, which is in sharp contrast with the dominance of service sector employment in many other countries included in our sample such as the Netherlands, the U.S., the U.K., Spain, and Japan.\textsuperscript{6,7}

Figure 1.2.1 Labor Force by Principal Sectors


\textsuperscript{ii} GNI per capita of a country is the gross national income, converted to U.S. dollars using the World Bank Atlas method, divided by the mid-year population.\textsuperscript{6}

\textsuperscript{iii} Growth rate is calculated as the percentage change in a variable from one year to the next.\textsuperscript{6}

\textsuperscript{iv} Agriculture includes forestry, hunting and fishing. Industry includes manufacturing, construction, mining & quarrying, and public utilities (electricity, gas and water). Services include wholesale and retail trade, restaurants and hotels, transport, storage and communications, financing, insurance, real estate, business services as well as community, social and personal services.\textsuperscript{6} The CIA definition refers to percentage of the total labor force by occupation.\textsuperscript{7}
1.2.2 Gross National Income (GNI) per Capita

Gross National Income (GNI) per capita is one way to compare the economic performance of different countries and can be used to differentiate between a developed economy and a developing economy.

The World Bank classifies countries with GNI per capita of $12,196 or higher as being high income. From the countries included in this study, the Netherlands, the U.S., the U.K., Japan and Spain belong to the high income group. On the other hand, the GNI per capita in Mexico, Brazil, Botswana, South Africa, China, and India is between $995—$12,195, the range for middle income countries as defined by the World Bank. Per capita GNI in China as of 2009 was $3,650, the second lowest in our 11 country sample.

Figure 1.2.2 GNI per Capita, 2009 (Current USD)

Source: World Bank (2010a)
1.2.3 GDP Growth Rate

As indicated in Figure 1.2.3, the average annual GDP growth in China and India during the last 10 years has clearly outpaced the remaining nine countries. The growth rate for the past decade in China has been a robust 10.3%, easily outshining the economic performance of most of the developed as well as developing countries across the globe. China and India are two of the only three Asian countries that have not experienced contraction during the current global financial crisis. The average annual GDP growth in the remaining countries is hovering around 0.8%-4.2%.

Figure 1.2.3 GDP Growth Rate: Average Growth Rate (2000-2009)

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1.3 COUNTRY CONTEXT: CONSIDERATIONS FOR EMPLOYERS

The demographic and economic indicators discussed above offer insights about each country’s current situation.

For the purpose of this report, we considered two key cut-offs, or indicators, to locate the 11 countries in the GOT Study into the demographic and economic development framework presented in Figure 1.0: 10.8% of population aged 65 and older, and $12,195 GNI per capita (USD). Figure 1.3 illustrates the classification of China and the other countries included in the GOT Study in two quadrants of the framework.

vi Among the major Asian economies, only those of China, India, and Indonesia did not contract during the global financial crisis.
Based on this framework, six of the countries where data were collected, including
China, can be considered ‘Young Population & Developing Economies’ (Botswana,
Brazil, China, India, Mexico, and South Africa). For example, 8.2% of the total
population in China is aged 65 and older with a GNI per capita of $3,650. The
remaining five countries were considered ‘Old Population & Developed Economies’
(Japan, the Netherlands, Spain, the U.K., and the U.S.) None of the countries from
the GOT Study were located in either the quadrants ‘Old Population & Developing
Economies’ or ‘Young Population & Developed Economies.’

The demographic and economic conditions in China, compared to other countries in
the GOT Study, present opportunities for innovative employers, who are managing
multi-generational and multi-national talent, to proactively address challenges of age
diverse workforces and fluctuating economic shifts. Maintaining an awareness of the
economic situation and demographic characteristics of China can assist employers
in assessing talent management practices within the country in addition to creating
action steps to increase engagement, satisfaction, and commitment among multiple
age groups.

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age groups.

| Economic Development: GNI per Capita (USD) | Developed Economies | (12,195) |
| Age Demographic: % Population Aged 65+ | Young Population | Old Population |
| 0 | 5 | 10 | 15 | 20 | 25 |

- Botswana
- Brazil
- China
- India
- Japan
- Mexico
- Netherlands
- South Africa
- Spain
- United Kingdom
- United States

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http://www.bc.edu/agingandwork
Section 2: Experiences of Aging and Work in China

Employers are beginning to express an awareness of shifts in the age demographics of the global workforce. A recent study in the United States found that 40% of the companies in the sample report the aging of the workforce will likely have a “very negative/negative” impact on their organizations in the next three years. Employers’ concerns include challenges associated with knowledge transfer and finding the talent they need to address today’s complex business problems.

When considering the implications of demographic changes for their organizations, employers often ask: “Who is a ‘younger/older’ worker?” This is important because the experience of age is complex, particularly in the context of the workplace.

Although we tend to think that “age” refers primarily to chronological age, the experience of aging has numerous dimensions. This section focuses on age experiences that relate to chronological age, career stage, and life stage (as indicated by different types of dependent care).

The data presented in this section and the following sections were generated from information gathered from respondents who participated in the Generations of Talent Study. As noted in Section 4 of this report, the respondents to this survey were employed by companies with worksites in the 11 countries where data were gathered. Although the findings provide important insights about people working in these countries, the descriptive statistics about the age-related characteristics of the respondents may not be representative of the workforces in those countries.

2.1 CHRONOLOGICAL AGE

Chronological age, which refers to the number of years a person has lived, is often used as an indicator for different aspects of the aging experience. It is well recognized, however, that people of the same age can have very different experiences with aging. For example, one employee at 65 can report high energy and no physical/cognitive limitations whereas a colleague of the same age might have a chronic disease.

As discussed below, there is also a wide range of chronological ages when people have other age-related experiences (such as the age range associated with being in ‘mid-career’ or taking care of children younger than 18 years old).

Across the worksites in China, the chronological age range of the respondents to the Generations of Talent Study is 21 to 85 years. Across the worksites in the five “old-developed” countries and the five other “young-developing” countries excluding China in our sample, the age ranges are 20 to 82 years and 18 to 91 years, respectively (see Table 2.2).

Figure 2.1 presents the chronological age distribution by age group for respondents at the worksites in China compared to those working in the “old-developed” countries.
and the other “young-developing” countries that participated in the study. As this figure shows, the percentage of respondents under the age of 30 at the worksites in China (32.5%) is significantly higher than the “old-developed” countries (10.1%) but significantly lower than the other “young-developing” countries (48.8%). In addition, the worksites in China have a considerably higher percentage of respondents aged 30-39 (53.1%) compared to the “old-developed” countries (32.6%) and the other “young-developing” countries (32.0%). However, the percentage of respondents aged 40-49 and 50 and older at the worksites in China (10.0% and 4.4%, respectively) is significantly lower than the “old-developed” countries (32.4% and 24.9%, respectively) (see Table 4.1b).

Figure 2.1 The Age Distribution of Respondents at the Worksites in China Compared to the Two Country Clusters

![Bar chart showing the age distribution of respondents at worksites in China compared to the two country clusters.](chart.png)

Source: Generations of Talent Study

Note: Only statistically significant differences between China and the two country clusters are discussed in the text (p<.05).

### 2.2 CAREER STAGE

The concept of career stage reflects the observation that people tend to gain sets of competencies (skills and knowledge) with the expansion of their occupational roles and responsibilities. Although the progression of mastery varies across occupations, the concept of career stage, also termed “occupational age,” recognizes that most employees move from more basic to more advanced levels as they advance in a career.²³

It is possible to define the specific career stages in different ways. It is not uncommon, however, to recognize at least three basic stages: early career, mid-career, and late career.

- **Early career** is typically characterized by exploration and establishment. Employees in early career are focused on getting to know the job and being integrated into the organization.⁴ Additionally, employees aim to find a match between themselves, their job, and the organization.⁵
- Mid-career is typically characterized by career goal reappraisal. Employees in mid-career either reaffirm or modify their career or work needs and expectations. However, it is typical that employees would perceive that their careers are plateauing during mid-career (a sense of limited opportunities for career advancement and/or increase in job responsibility).

- Late career is typically experienced in late adulthood. Employees in late career are generally focused on remaining productive in work, maintaining their self-esteem, and possibly preparing for effective retirement.

Figure 2.2 graphically illustrates the percentage of respondents at the worksites in China that classify themselves as early career, mid-career, and late career, as compared to those working in the “old-developed” countries and the other “young-developing” countries that participated in the study. As the figure shows, the percentage of respondents that identify themselves as early career at the worksites in China (50.7%) is significantly higher than the “old-developed” countries (22.5%). However, the percentages of respondents that identify themselves as mid- and late career is lower at the worksites in China (45.6% and 3.7%, respectively) compared to the “old-developing” countries (58.3% and 19.2%, respectively) (see Table 4.1b).
Interestingly, as suggested by Table 2.2 below, the age ranges associated with each of the career stages are wide. Among the respondents at the worksites in China, early career ranges from 21 to 85 years and late career ranges from 29 to 60 years. These data illustrate that, although the mean ages for respondents working in China increase with career stage, their career stages might not always correspond to their chronological ages.

The mean age for each career stage for the respondents at the worksites in China is compared to those respondents working at the sites in the “old-developed” countries and the other “young-developing” countries. Note that even if the mean ages might look somewhat different, they cannot be considered significantly different unless it is stated in Table 2.2.

### Table 2.2  Mean Age and Age Range of Career Stages among Respondents at the Worksites in China Compared to the Two Country Clusters

<table>
<thead>
<tr>
<th>Countries</th>
<th>Mean Age and Age Range for Early Career Employees</th>
<th>Mean Age and Age Range for Mid-Career Employees</th>
<th>Mean Age and Age Range for Late Career Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>China (N=1256)</td>
<td>29.7 (21 - 85) years Different from: Old-Developed, Other Young-Developing</td>
<td>36.5 (24 - 55) years Different from: Old-Developed</td>
<td>47.1 (29 - 60) years Different from: Old-Developed</td>
</tr>
<tr>
<td>Old-Developed (N=4907)</td>
<td>31.4 (20 - 82) years Different from: China, Other Young-Developing</td>
<td>42.3 (25 - 77) years Different from: China, Other Young-Developing</td>
<td>54.5 (27 - 80) years Different from: China, Other Young-Developing</td>
</tr>
<tr>
<td>Other Young-Developing (N=3225)</td>
<td>26.7 (18 - 91) years Different from: China, Old-Developed</td>
<td>36.4 (18 - 91) years Different from: Old-Developed</td>
<td>47.6 (18 - 81) years Different from: Old-Developed</td>
</tr>
</tbody>
</table>

Note: Statistical significance tests compared means of career stage subgroups across country clusters (p<.05).

### 2.3 Life Stage: The Role of Dependent Care

Over the life course, individuals experience various events and transitional stages, which shape major roles and responsibilities both in work and personal life. Multiple studies have shown that family and personal life can have a significant impact on work and work experiences can affect personal and family life. The work-life paradigm recognizes the importance of different life events and the impact that they can have for employees. For example, life events and transitions, such as taking care of children or an older parent, can affect the ways that people fulfill their roles and responsibilities both at work and outside of work.
In this report, we focus on the dependent caregiving responsibilities of employees as an indicator of a life stage that can influence expectations and experiences at work. Dependent care is often life-changing as it typically requires an investment of time, energy, and financial resources. Employees might find that they need to make adjustments at home and possibly at work in order to fulfill caregiving responsibilities. To assess whether life stage as indicated by dependent care impacts employees’ expectations and experiences at work, we compared different types of dependent care: child care (18 years and younger), elder care (parent(s) or parent(s)-in-law), both child and elder care, and neither child nor elder care.

As indicated by Figure 2.3, 44.5% of respondents to the Generations of Talent Study who work in China report that they do not have child or elder care responsibilities, while 31.9% have child care responsibilities, 11.5% have elder care responsibilities, and 12.0% provide both child and elder care. Across the worksites in China, the percentage of respondents with child care responsibilities (31.9%) is lower than that among the respondents working in the “old-developed” countries (40.3%). Moreover, the percentage of respondents with elder care responsibilities at the worksites in China is higher (11.5%) than that among the respondents working in the “old-developed” countries (7.1%), but lower than the other “young-developing” countries (15.6%). Also, worksites in China have a higher percentage of respondents with both child and elder care responsibilities (12.0%) compared to the worksites in the “old-developed” countries (6.8%) and the other “young-developing” countries (7.3%). There are no statistically significant differences in the percentages of respondents with neither child nor elder care responsibilities between worksites in China and the two country clusters (see Table 4.1b).

Figure 2.3 Types of Dependent Care Responsibilities among Respondents at the Worksites in China Compared to the Two Country Clusters

Source: Generations of Talent Study

Note: Only statistically significant differences between China and the two country clusters are discussed in the text (p<.05).
The age range among respondents with different types of dependent care responsibilities is wide at the worksites in China, as noted in Table 2.3 below. For example, the age of respondents with neither child nor elder care responsibilities ranges from 21 to 85 years, and the age of respondents with child care responsibilities ranges from 23 to 55 years. The age of respondents with elder care responsibilities ranges from 23 to 54 years. Lastly, the age of those with both child and elder care responsibilities ranges from 23 to 55 years.

The mean age for dependent care responsibilities among respondents in China is compared to the respondents working in the other “old-developed” countries and “young-developing” countries. Note that even if the mean ages might look somewhat different, they cannot be considered significantly different unless it is stated that they are different in Table 2.3.

Table 2.3 Age Range of Dependent Care Responsibilities among Respondents at the Worksites in China Compared to the Two Country Clusters

<table>
<thead>
<tr>
<th>Countries</th>
<th>Mean Age and Age Range for Those Giving Neither Child nor Elder Care</th>
<th>Mean Age and Age Range for Those Giving Child Care</th>
<th>Mean Age and Age Range for Those Giving Elder Care</th>
<th>Mean Age and Age Range for Those Giving Both Child and Elder Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>China (N=1256)</td>
<td>30.8 (21 - 85) years Different from: Old-Developed</td>
<td>36.2 (23 - 55) years Different from: Old-Developed</td>
<td>32.6 (23 - 54) years Different from: Old-Developed, Other Young-Developing</td>
<td>36.7 (23 - 55) years Different from: Old-Developed</td>
</tr>
<tr>
<td>Old-Developed (N=4907)</td>
<td>41.5 (20 - 82) years Different from: China, Other Young-Developing</td>
<td>41.7 (20 - 77) years Different from: China, Other Young-Developing</td>
<td>47.7 (20 - 71) years Different from: China, Other Young-Developing</td>
<td>44.2 (20 - 75) years Different from: China, Other Young-Developing</td>
</tr>
<tr>
<td>Other Young-Developing (N=3225)</td>
<td>30.1 (18 - 84) years Different from: Old-Developed</td>
<td>37.1 (18 - 91) years Different from: Old-Developed</td>
<td>29.3 (18 - 76) years Different from: China, Old-Developed</td>
<td>37.4 (18 - 91) years Different from: Old-Developed</td>
</tr>
</tbody>
</table>

Note: Statistical significance tests compared means of life stage subgroups across country clusters (p<.05).
Employment experiences can be affected by societal expectations about age, as well as opportunities and constraints that may vary for employees of different ages. Examining the employment experiences of employees through the lenses of age, employers can gain insight about the extent to which their human resource programs and management policies reflect the needs of employees of different ages, career stages, and life stages.

This section of the report discusses the fact that employees’ experiences of aging can vary, depending on the specific dimension of age that is particularly relevant to them. As suggested by the sample age profile in Figure 2.4, an employee who is “old” in terms of chronological age could still be “mid-career” in terms of career stage and might still have child care responsibilities.

Given the complexities of age, employers should consider how to customize talent management policies and programs to meet the needs of employees whose employment experiences reflect the nuances of their experiences with aging.
Section 3: Work Outcomes

Top employers seek information on work outcomes in order to manage their global workforces. In this report, we review three important work outcomes: work engagement, job satisfaction, and organizational commitment. For each outcome, we provide a brief introduction outlining the importance and definition of that outcome. Afterwards, we present the results of several analyses that address the following questions:

Impact of Country:

- Is each work outcome among respondents at the worksites in China different from outcomes among those working in the five “old-developed” countries and the five other “young-developing” countries after controlling for demographic factors, job characteristics, age, career stage, and life stage?

Impact of Age/Career Stage/Life Stage:

- Does each work outcome among respondents at the worksites in China vary by age group, career stage, and/or life stage once we control for demographic factors and job characteristics?

Using data from the Generations of Talent Study, we will use the framework summarized in Figure 3.0 to answer these questions in order to provide employers with insight into the overall factors that might affect the level of employees’ work engagement, job satisfaction, and organizational commitment.

Figure 3.0 The Effect of Age/Career Stage/Life Stage/ and Country on Work Engagement /Job Satisfaction/Organizational Commitment

| Working in “young-developing” countries [Reference = working in China] |
| Working in “old-developed” countries [Reference = working in China] |
| Age [Reference = under 30 years of age] |
| Career Stage [Reference = early career] |
| Life Stage [Reference = neither child nor elder care] |

Controlling for:
- Gender
- Work hours
- Full-time/part-time status
- Occupation type
- Supervisor status
- Education
- Partnered status

- Work Engagement
- Job Satisfaction
- Organizational Commitment

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3.1 WORK ENGAGEMENT

Work engagement refers to employees’ positive feelings or emotions toward their work. Engagement is defined as “a positive work-related state of fulfillment that is characterized by vigor, dedication, and absorption.” Work engagement is the opposite of work burnout. Therefore, “contrary to those who suffer from burnout, engaged employees have a sense of energetic and effective connection with their work activities, and they see themselves as able to deal well with the demands of their jobs.” When employees are well engaged in their work, they find their work to be personally meaningful, have positive feelings about their work, consider their workload to be manageable, and are optimistic about the future of their work – that is, they have a positive and fulfilling work-related state of mind.

Particularly during tough economic times, such as during the global financial crises, employers have good reasons to be concerned about their employees’ work engagement. Research has shown that only about one in every five employees reported that they were highly engaged in their work. The Gallup organization estimates that disengaged employees cost U.S. employers a significant amount of money – between $250 and $350 billion a year. Over 600 CEOs from countries around the world reported that they considered work engagement as one of the top five most important challenges facing management.

3.1.1 Work Engagement in China

Work engagement was assessed using 11 items adapted from the Utrecht Work Engagement Scale (UWES). Table 3.1.1 presents the frequencies of responses to these work engagement items based on the data collected from employees at the worksites in China. For example, across all the respondents working in China, more than three-fourths (78.4%) report that they very often to always feel that “time flies when they are working.” In addition, 66.8% and 65.5% of the respondents report that very often to always “when they get up in the morning, they feel like going to work,” and that very often to always they “feel strong and vigorous at their job.” Also, over half of the respondents (54.9%) very often to always “find the work that they do full of meaning and purpose.” Lastly, 47.1% of the respondents report that they very often to always “feel bursting with energy at their work.”

---

The UWES is a standardized and globally validated measure to assess employee work engagement. Employees were asked to indicate the frequency of experiencing their work in a particular way. Each item was assessed on a scale ranging from never (1) to always (7).
We combined the answers to the questions listed in Table 3.1.1 to get an overall score of work engagement. The scores could range from 1 to 7. We considered scores as follows:

- Scores ranging from 1 to 2.99 = low work engagement
- Scores ranging from 3 to 4.99 = moderate work engagement
- Scores ranging from 5 to 7 = high work engagement

The average (mean) score of work engagement among respondents at the worksites in China is 5.5.

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3.1.2 Impact of Country on Work Engagement

Is work engagement among respondents at the worksites in China different from work engagement among those working in the five “old-developed” countries and the five other “young-developing” countries after controlling for demographic factors, job characteristics, age, career stage, and life stage?

⇒ No, work engagement among respondents at the worksites in China is not significantly different from that in the two country clusters after controlling for demographic factors, job characteristics, and age-related factors (that is, the differences in the work engagement scores between the respondents in China and the two country clusters are not statistically significant) (see Table 4.2a).
3.1.3 Impact of Age, Career Stage, and/or Life Stage on Work Engagement

Does work engagement among respondents at the worksites in China vary by age group, career stage, and/or life stage once we control for demographic factors and job characteristics?

- Yes, work engagement among respondents at the worksites in China varies by career stage (see Table 4.2c).
- No, work engagement among respondents at the worksites in China does not vary by age or life stage (that is, the differences in the mean scores are not statistically significant after controlling for demographic factors and job characteristics) (see Tables 4.2b and 4.2d).

Figure 3.1.3 below, graphically illustrates the relationship between career stage and work engagement among respondents at the worksites in China. This figure presents the predicted mean scores of work engagement by career stage at the worksites in China. It shows that after controlling for demographic factors and job characteristics, the level of work engagement for respondents at the worksites in China is significantly lower among respondents who consider themselves to be in late career (4.95) than respondents in both early career (5.63) and mid-career (5.56). The difference between early career and mid-career respondents is not statistically significant.

Figure 3.1.3 Work Engagement by Career Stage among Respondents at the Worksites in China

Source: Generations of Talent Study
3.2 JOB SATISFACTION

Job satisfaction refers to a pleasurable emotional state resulting from the appraisal of one’s job.6-7.8 Job satisfaction is a widely examined construct in academic and business research in a variety of organizational settings.9,10

Employers have good reasons to be concerned with their employees' job satisfaction because job satisfaction can be an important indicator of employees' current and future work behaviors including work performance, absenteeism, and turnover.11,12,13 Additionally, some research suggests that employees' job satisfaction is significantly correlated with their life satisfaction overall.14,15

3.2.1 Job Satisfaction in China

The Generations of Talent questionnaire includes 13 items that assess satisfaction with important aspects of work. Table 3.2.1 presents the frequencies of responses to job satisfaction items among respondents at the worksites in China. Across all respondents at the worksites in China, 85.2% and 76.5% are moderately to strongly satisfied with the relationships with their subordinates and co-workers/peers, respectively. Also, 62.9% of the respondents are moderately to strongly satisfied with their organizational supervisor. In addition, 69.6% of the respondents are moderately to strongly satisfied with the inclusiveness of their organizational culture in terms of welcoming diverse employees. Just over half of the respondents (51.2%) are moderately to strongly satisfied with the sense of accomplishment they get from work. However, only 33.0% of the respondents are moderately to strongly satisfied with the benefits that promote health, wellness, and psychological well-being.
Table 3.2.1 Job Satisfaction among Respondents at the Worksites in China

<table>
<thead>
<tr>
<th>Item</th>
<th>Percent Strongly Dissatisfied</th>
<th>Percent Moderately Dissatisfied</th>
<th>Percent Somewhat Dissatisfied</th>
<th>Percent Somewhat Satisfied</th>
<th>Percent Moderately Satisfied</th>
<th>Percent Strongly Satisfied</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Your job security. (N=1215)</td>
<td>1.1%</td>
<td>3.0%</td>
<td>5.6%</td>
<td>28.9%</td>
<td>50.5%</td>
<td>11.0%</td>
</tr>
<tr>
<td>**Resources and opportunities for training and development to improve your skills or learn new skills that your employer provides. (N=1215)</td>
<td>2.7%</td>
<td>4.3%</td>
<td>16.9%</td>
<td>35.8%</td>
<td>33.9%</td>
<td>6.3%</td>
</tr>
<tr>
<td>**Benefits that have monetary value such as profit sharing schemes; retirement benefits; paid time off; paid sick days or medical leave; subsidies for child care, dependent care, education, or housing; health insurance; or long-term care insurance. (N=1215)</td>
<td>1.8%</td>
<td>3.9%</td>
<td>9.5%</td>
<td>37.3%</td>
<td>40.8%</td>
<td>6.6%</td>
</tr>
<tr>
<td>**Benefits that promote health, wellness, and psychological well-being, such as nutrition programs; fitness facilities; or programs that provide information, counseling, or referrals. (N=1214)</td>
<td>2.6%</td>
<td>8.1%</td>
<td>19.1%</td>
<td>37.2%</td>
<td>28.0%</td>
<td>5.0%</td>
</tr>
<tr>
<td>*The sense of accomplishment you get from work. (N=1215)</td>
<td>0.6%</td>
<td>2.6%</td>
<td>9.4%</td>
<td>36.2%</td>
<td>43.1%</td>
<td>8.1%</td>
</tr>
<tr>
<td>***The extent to which you use your skills and abilities on your job. (N=1216)</td>
<td>0.4%</td>
<td>1.7%</td>
<td>10.2%</td>
<td>32.8%</td>
<td>45.6%</td>
<td>9.3%</td>
</tr>
<tr>
<td>**The way your job allows you to make a difference in your community or the world. (N=1215)</td>
<td>0.4%</td>
<td>3.1%</td>
<td>15.1%</td>
<td>37.4%</td>
<td>37.7%</td>
<td>6.4%</td>
</tr>
<tr>
<td>****The person who supervises you -- your organizational superior. (N=1216)</td>
<td>1.6%</td>
<td>2.9%</td>
<td>7.2%</td>
<td>25.4%</td>
<td>48.5%</td>
<td>14.4%</td>
</tr>
<tr>
<td>****Your relations with others with whom you work -- your co-workers or peers. (N=1213)</td>
<td>0.0%</td>
<td>0.3%</td>
<td>2.3%</td>
<td>20.8%</td>
<td>61.7%</td>
<td>14.8%</td>
</tr>
<tr>
<td>****Your working relationships with subordinates. (N=537)</td>
<td>0.0%</td>
<td>0.0%</td>
<td>3.2%</td>
<td>11.6%</td>
<td>61.4%</td>
<td>23.8%</td>
</tr>
<tr>
<td>****Opportunities which exist in this organization for advancement or promotions. (N=1213)</td>
<td>2.4%</td>
<td>6.7%</td>
<td>18.4%</td>
<td>34.7%</td>
<td>32.2%</td>
<td>5.6%</td>
</tr>
<tr>
<td>***Your physical work environment. (N=1212)</td>
<td>2.9%</td>
<td>3.3%</td>
<td>8.6%</td>
<td>30.2%</td>
<td>48.3%</td>
<td>6.7%</td>
</tr>
<tr>
<td>**The inclusiveness of your organizational culture in terms of welcoming diverse employees. (N=1212)</td>
<td>0.9%</td>
<td>1.0%</td>
<td>3.6%</td>
<td>24.9%</td>
<td>57.3%</td>
<td>12.3%</td>
</tr>
</tbody>
</table>

* Original item developed based on work of Hackman & Oldham (1976)
** Original item developed by Sloan Center on Aging & Work
*** Item adapted from Hofstede (2001)
**** Item from Tsui et al., (1992)
We combined the answers to the questions listed in Table 3.2.1 to get an overall score of job satisfaction. The scores could range from 1 to 6. We considered scores as follows:

- Scores ranging from 1 to 2.49 = low job satisfaction
- Scores ranging from 2.5 to 4.49 = moderate job satisfaction
- Scores ranging from 4.5 to 6 = high job satisfaction

The average (mean) score of job satisfaction among respondents at the worksites in China is 4.4.

### 3.2.2 Impact of Country on Job Satisfaction

Is job satisfaction among respondents at the worksites in China different from job satisfaction among those working in the five “old-developed” countries and the five other “young-developing” countries after controlling for demographic factors, job characteristics, age, career stage, and life stage?

⇒ No, job satisfaction among respondents at the worksites in China is not significantly different from that in the two country clusters after controlling for demographic factors, job characteristics, and age-related factors (that is, the differences in the job satisfaction scores between the respondents in China and the two country clusters are not statistically significant) (see Table 4.2a).

### 3.2.3 Impact of Age, Career Stage, and/or Life Stage on Job Satisfaction

Does job satisfaction among respondents at the worksites in China vary by age group, career stage, and/or life stage once we control for demographic factors and job characteristics?

⇒ Yes, job satisfaction among respondents at the worksites in China varies by age group (see Tables 4.2b and 4.2b-1).
⇒ Yes, job satisfaction among respondents at the worksites in China varies by career stage (see Table 4.2c).
⇒ No, job satisfaction among respondents at the worksites in China does not vary by life stage (that is, the differences in the mean scores are not statistically significant after controlling for demographic factors and job characteristics) (see Table 4.2d).

Figure 3.2.3a graphically illustrates the relationship between age and job satisfaction among respondents at the worksites in China. This figure presents the predicted mean scores of job satisfaction by age group among respondents at the worksites in China. It shows that after controlling for demographic factors and job characteristics, the level of job satisfaction among respondents at the worksites in China is higher among respondents under 30 years of age (4.53) compared to the respondents aged 30-39 (4.35) and those aged 40-49 (4.32).
Figure 3.2.3a  Job Satisfaction by Age Group among Respondents at the Worksites in China

![Graph showing job satisfaction by age group](image)

Note: Only statistically significant differences among age groups are discussed in the text.

Figure 3.2.3b graphically illustrates the relationship between career stage and job satisfaction among respondents at the worksites in China. This figure presents the predicted mean scores of job satisfaction by career stage among respondents at the worksites in China. It shows that after controlling for demographic factors and job characteristics, the level of job satisfaction for the respondents at worksites in China is higher among the respondents who consider themselves to be in the early career stage (4.51) compared to the mid (4.31) and late career (4.16) respondents. However, the difference between mid-career and late career respondents is not significantly different.

![Graph showing job satisfaction by career stage](image)
3.3 ORGANIZATIONAL COMMITMENT

Organizational commitment generally refers to the relative strength of an employee's involvement in a particular organization. This concept might be characterized by at least three related factors:

- A strong psychological attachment and acceptance of the organization's goals and values;
- A willingness to exert considerable effort on behalf of the organization; and
- A strong desire to remain in the organization.

Organizational commitment is central to the study of organizational behavior. Various studies provide support for the relationships between employees' organizational commitment and employees' attitudes or behaviors. Organizational commitment has been studied in the public, private, and non-profit sectors, and internationally. Research shows that employees who are more committed demonstrate higher job performance, less job displeasure, diminished intent to leave, and less stress.

3.3.1 Organizational Commitment in China

The Generations of Talent questionnaire includes nine questions that assess employees' commitment to the organization adapted from Mowday et al. (1979). Table 3.3.1 presents the frequencies of responses to organizational commitment items by respondents at the worksites in China. Across the worksites in China, 79.7% of respondents moderately to strongly agree that they are “willing to work harder than they have to in order to help their organization succeed.” Moreover, 73.5% and 67.9% of the respondents moderately to strongly agree that they are “extremely glad that they chose this organization to work for over others they were considering at the time of joining” and that they are “proud to be working for their organization,” respectively. In addition, 66.9% of the respondents moderately to strongly agree that they “talk up their organization to their friends as a great organization to work for.” Lastly, only 29.6% and 10.9% of the respondents moderately to strongly agree that they will “take almost any job to keep working for their organization” and that they “feel very little loyalty to their organization,” respectively.

ix We used the U.S. General Social Survey (GSS) adaptation of the original Mowday et al. (1979) organizational commitment scale. Employees were asked to indicate their agreement with statements about their commitment. Each item was assessed on a scale ranging from strongly disagree (1) to strongly agree (6). When creating the scale, we reversed one item so that the higher scores would represent higher organizational commitment.
Table 3.3.1 Organizational Commitment among Respondents at the Worksites in China

<table>
<thead>
<tr>
<th>Statement</th>
<th>Percent Strongly Disagree</th>
<th>Percent Moderately Disagree</th>
<th>Percent Somewhat Disagree</th>
<th>Percent Somewhat Agree</th>
<th>Percent Moderately Agree</th>
<th>Percent Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>*To help this organization succeed, I am willing to work harder than I have to. (N=1181)</td>
<td>0.1%</td>
<td>1.3%</td>
<td>2.2%</td>
<td>16.7%</td>
<td>50.7%</td>
<td>29.0%</td>
</tr>
<tr>
<td>*I would take almost any job to keep working for this organization. (N=1181)</td>
<td>5.8%</td>
<td>14.6%</td>
<td>28.0%</td>
<td>21.5%</td>
<td>21.5%</td>
<td>8.1%</td>
</tr>
<tr>
<td>*I would turn down another job for more pay in order to stay with this organization. (N=1181)</td>
<td>3.3%</td>
<td>9.1%</td>
<td>23.1%</td>
<td>23.6%</td>
<td>7.7%</td>
<td></td>
</tr>
<tr>
<td>*I feel very little loyalty to this organization. (N=293)</td>
<td>23.6%</td>
<td>31.4%</td>
<td>26.5%</td>
<td>6.7%</td>
<td>4.2%</td>
<td></td>
</tr>
<tr>
<td>*I find that my values and the organization’s are very similar. (N=292)</td>
<td>0.2%</td>
<td>3.1%</td>
<td>5.8%</td>
<td>29.9%</td>
<td>41.3%</td>
<td>19.8%</td>
</tr>
<tr>
<td>*I am proud to be working for this organization. (N=293)</td>
<td>0.2%</td>
<td>0.6%</td>
<td>1.8%</td>
<td>29.6%</td>
<td>38.1%</td>
<td>29.8%</td>
</tr>
<tr>
<td>**I talk up this organization to my friends as a great organization to work for. (N=293)</td>
<td>0.2%</td>
<td>2.4%</td>
<td>5.8%</td>
<td>24.7%</td>
<td>40.7%</td>
<td>26.2%</td>
</tr>
<tr>
<td>**This organization really inspires the very best in me in the way of job performance. (N=293)</td>
<td>0.2%</td>
<td>1.8%</td>
<td>8.3%</td>
<td>24.2%</td>
<td>44.5%</td>
<td>21.0%</td>
</tr>
<tr>
<td>**I am extremely glad that I chose this organization to work for over others I was considering at the time I joined. (N=293)</td>
<td>0.2%</td>
<td>1.8%</td>
<td>3.0%</td>
<td>21.6%</td>
<td>45.1%</td>
<td>28.4%</td>
</tr>
</tbody>
</table>

* Items from the General Social Survey (Adapted version of Mowday et al. (1979) scale)\(^{31}\)
** Items from Mowday et al. (1979)\(^{20}\)

We combined the answers to the questions listed in Table 3.3.1 to get an overall score of organizational commitment. The scores could range from 1 to 6. We considered scores as follows:

- Scores ranging from 1 to 2.49 = low organizational commitment
- Scores ranging from 2.5 to 4.49 = moderate organizational commitment
- Scores ranging from 4.5 to 6 = high organizational commitment

The average (mean) score of organizational commitment among respondents at the worksites in China is 4.5.
3.3.2 Impact of Country on Organizational Commitment

Is organizational commitment among respondents at the worksites in China different from organizational commitment among those working in the five “old-developed” countries and the five other “young-developing” countries after controlling for demographic factors, job characteristics, age, career stage, and life stage?

⇒ No, organizational commitment among respondents at the worksites in China is not significantly different from that in the two country clusters after controlling for demographic factors, job characteristics, and age-related factors (that is, the differences in the organizational commitment scores between the respondents in China and the two country clusters are not statistically significant) (see Table 4.2a).

3.3.3 Impact of Age, Career Stage, and/or Life Stage on Organizational Commitment

Does organizational commitment among respondents at the worksites in China vary by age group, career stage, and/or life stage once we control for demographic factors and job characteristics?

⇒ Yes, organizational commitment among respondents at the worksites in China varies by career stage (see Table 4.2c).
⇒ No, organizational commitment among respondents at the worksites in China does not vary by age or life stage (that is, the differences in the mean scores are not statistically significant after controlling for demographic factors and job characteristics) (see Tables 4.2b, and 4.2d).

Figure 3.3.3 graphically illustrates the relationship between career stage and organizational commitment among respondents at the worksites in China. This figure presents the predicted mean scores of organizational commitment by career stage among respondents at the worksites in China. It shows that after controlling for demographic factors and job characteristics, the level of organizational commitment at the worksites in China is higher for respondents who consider themselves to be in their early career (4.60) than among the mid (4.47) and late career (4.21) respondents. The difference between mid-career and late career respondents is not statistically significant, however.

Figure 3.3.3 Organizational Commitment by Career Stage among Respondents at the Worksites in China
Section 4: Methodological Notes

4.1 DATA COLLECTION AND SAMPLE

From May 2009 through November 2010, The Sloan Center on Aging & Work collaborated with seven multinational companies. In total, 24 worksites in 11 countries participated in the study, and 11,298 individual employees responded to the survey. Employees were invited to complete one 30-minute online survey during work time which they were able to access on a secure website. The survey was translated to Japanese, Mandarin Chinese, Brazilian Portuguese, and Spanish.

The survey consists of the core questions (questions that were included in the surveys made available to each respondent) and module questions (additional, complementary questions, a subset of which was randomly assigned to the respondents). The survey focused on employees’ perceptions of their work experiences, workplace-based resources, demographic information, and their assessments of their health and well-being at work and in their lives in general.

The data collected in the GOT Study allow us to examine a range of experiences at worksites in China in comparison to worksites in other countries. However, readers should keep in mind that the findings may not be representative of all employees at a worksite, in a country, or in a multinational organization as a whole.

As indicated in Table 4.1a, the sample in China includes employees working for three multinational organizations that have worksites in China. The sample in the other “young-developing” countries includes employees working at five companies that have worksites at some of the five other “young-developing” countries, including Botswana, Brazil, India, Mexico, and South Africa. Three companies participated in the study in Brazil, two companies participated in the study in India and Mexico, and only one company participated in each of the two remaining countries, Botswana and South Africa. The sample in the “old-developed” countries includes employees working at six companies that have worksites in some of the five “old-developed” countries, including the U.S., the U.K., Spain, Japan, and the Netherlands. Three companies participated in the study in the United States and the United Kingdom, and two companies participated in the study in Spain, Japan, and the Netherlands.

Table 4.1a Number of Worksites within Country Clusters

<table>
<thead>
<tr>
<th>Countries</th>
<th>Number of Worksites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Old-Developed Countries</strong></td>
<td></td>
</tr>
<tr>
<td>Japan</td>
<td>2</td>
</tr>
<tr>
<td>Spain</td>
<td>2</td>
</tr>
<tr>
<td>Netherlands</td>
<td>2</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>3</td>
</tr>
<tr>
<td>United States</td>
<td>3</td>
</tr>
<tr>
<td><strong>Young-Developing Countries</strong></td>
<td></td>
</tr>
<tr>
<td>Botswana</td>
<td>1</td>
</tr>
<tr>
<td>Brazil</td>
<td>3</td>
</tr>
<tr>
<td>China</td>
<td>3</td>
</tr>
<tr>
<td>India</td>
<td>2</td>
</tr>
<tr>
<td>Mexico</td>
<td>2</td>
</tr>
<tr>
<td>South Africa</td>
<td>1</td>
</tr>
</tbody>
</table>
Overall, the multinational organizations that participated were affiliated with a range of industry sectors including information technology; professional, scientific and technical services; finance and insurance; electricity production, distribution and transport; and pharmaceuticals.

Table 4.1b below summarizes the main characteristics of the total sample in China compared to the samples in the “old-developed” countries and the other “young-developing” countries. The last column of this table indicates significant differences of employees’ characteristics in China from those in the five “old-developed” countries as well as in the five other “young-developing” countries. The sample in China has a higher percentage of women (47.9%) and a lower percentage of men (52.1%) compared to the “old-developed” countries (33.5% and 66.5%, respectively). A significantly higher percentage of respondents in the sample in China work full-time (99.9%) compared to both the country clusters (95.2% in each) whereas a significantly lower percentage of respondents in the sample in China work part time (0.1%) compared to the two country cluster (4.8% in each). Also, average work hours reported by respondents at the worksites in China (47.9) are longer than the “old-developed” countries (42.5). The percentage of respondents under 30 years of age in the sample in China (32.5%) is higher than the “old-developed” countries (10.1%) but lower than the other “young-developing” countries (48.8%). In addition, the sample in China has a considerably higher percentage of respondents aged 30-39 (53.1%) compared to the “old-developed” countries (32.6%) and the other “young-developing” countries (32.0%). However, the percentages of respondents aged 40-49 and 50 and above in the sample in China (10.0% and 4.4%, respectively) are significantly lower than the “old-developed” countries (32.4% and 24.9%, respectively). The sample in China has a higher percentage of early career respondents (50.7%) but lower percentages of mid and late career respondents (45.6% and 3.7%, respectively) compared to the “old-developed” countries (22.5%, 58.3% and 19.2%, respectively). Moreover, the percentage of respondents with elder care responsibilities in the sample in China is higher (11.5%) than the “old-developed” countries (7.1%) but lower than the other “young-developing” countries (15.6%). Also, the sample in China has a higher percentage of employees with both child and elder care responsibilities (12.0%) compared to the “old-developed” countries (6.8%) and the other “young-developing” countries (7.3%). Lastly, the sample in China has a higher percentage of respondents (40.1%) with supervisory responsibilities compared to the “old-developed” countries (33.2%).
Table 4.1b  Characteristics of the Sample in China and the Two Country Clusters

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>China</th>
<th>Old-Developed</th>
<th>Other Young-Developing</th>
<th>Significant Differences from China</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Women (N=8961)</td>
<td>47.9%</td>
<td>33.5%</td>
<td>48.6%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Men (N=8961)</td>
<td>52.1%</td>
<td>66.5%</td>
<td>51.4%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Full-time (N=11040)</td>
<td>99.9%</td>
<td>95.2%</td>
<td>95.2%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>% Part-time (N=11040)</td>
<td>0.1%</td>
<td>4.8%</td>
<td>4.8%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>Average work hours (N=10147)</td>
<td>47.9</td>
<td>42.5</td>
<td>48.3</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Under 30 years old (N=9388)</td>
<td>32.5%</td>
<td>10.1%</td>
<td>48.8%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>% Age 30 - 39 (N=9388)</td>
<td>53.1%</td>
<td>32.6%</td>
<td>32.0%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>% Age 40 - 49 (N=9388)</td>
<td>10.0%</td>
<td>32.4%</td>
<td>13.3%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% 50 years old and above (N=9388)</td>
<td>4.4%</td>
<td>24.9%</td>
<td>5.9%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Early career (N=9223)</td>
<td>50.7%</td>
<td>22.5%</td>
<td>47.1%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Mid-career (N=9223)</td>
<td>45.6%</td>
<td>58.3%</td>
<td>47.5%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% Late career (N=9223)</td>
<td>3.7%</td>
<td>19.2%</td>
<td>5.4%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% With neither child nor elder care responsibilities (N=8817)</td>
<td>44.5%</td>
<td>45.8%</td>
<td>50.0%</td>
<td>No Difference</td>
</tr>
<tr>
<td>% With child care responsibilities (N=8817)</td>
<td>31.9%</td>
<td>40.3%</td>
<td>27.0%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
<tr>
<td>% With elder care responsibilities (N=8817)</td>
<td>11.5%</td>
<td>7.1%</td>
<td>15.6%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>% With both child and elder care responsibilities (N=8817)</td>
<td>12.0%</td>
<td>6.8%</td>
<td>7.3%</td>
<td>Significantly Different from Old-Developed and Other Young-Developing</td>
</tr>
<tr>
<td>% With supervisory responsibilities (N=11123)</td>
<td>40.1%</td>
<td>33.2%</td>
<td>43.7%</td>
<td>Significantly Different from Old-Developed</td>
</tr>
</tbody>
</table>

Note: Only statistically significant differences between China and the two country clusters are discussed in the text (p<.05).
4.2 NOTES ON DATA ANALYSIS STRATEGIES

4.2.1 Model-building Strategy

In order to investigate each of the questions posed in Section 3, a series of regression analyses were conducted using Stata 11. Each of the outcome variables (work engagement, job satisfaction, and organizational commitment) were regressed on a set of control variables, including gender, income, work hours, full time/part time status, occupation type, supervisor status, education, lives with spouse, and company, in addition to age-related factors and country indicators.

The effects of country were tested simultaneously with all of the age-related factors. These analyses were conducted on the entire dataset including 11 countries and 24 worksites; random effects models were used to control for unique effects of worksites in these models. Table 4.2a below presents these regression analyses for each of the outcome variables.

The effects of age-related factors—age, career stage, and life stage—were tested separately, specifically for the China data. Dummy variables representing each of the worksites were used to control for unique effects of worksites in these models. Joint significance tests for groups of dichotomies representing each of the age-related factors were conducted to make decisions regarding statistical significance of a given age-related factor. Tables 4.2b through 4.2d below present these regression analyses for all the outcome variables.

Based on these regression models, we generated predicted values that are used to graphically illustrate the key findings in the main text. Predicted values were calculated at mean values of all other variables included in regression equations.

4.2.2 Missing Data

As with most surveys where responses are voluntary, the GOT dataset contained a significant amount of item non-response. To address concerns about missing data, we performed multiple imputation by chained equations (MICE), as implemented in Stata 11 (the ICE package). This technique involves predicting missing values on the basis of existing data using regression models; such imputation is done more than once, each time including a random component. Coefficient estimates from each of these multiple datasets are then averaged, and standard errors are combined using a special formula that incorporates the uncertainty of imputation into these errors. Given the fairly high proportion of missing data, we generated and used 20 sets of imputed data to ensure high efficiency of estimates.

Thus, regression results presented in this report have been averaged across the 20 complete datasets using Stata’s multiple imputation feature. Fully imputed values of our dependent variables (i.e., the three work outcomes) were deleted after multiple imputation (multiple imputation then deletion procedure, or MID); however, we retained those values of work outcomes where only some but not all of the items used to create the scale were imputed.
4.2.3 Weights

As typically happens in survey research, some employees selected to participate in the GOT study chose not to participate. To minimize biases due to such refusals, all univariate and bivariate analyses presented in this report utilized post-stratification weights that were created using raking algorithm in Stata 11. These weights adjust sample distributions for each worksite to age, gender, and part-time/full-time status composition of that worksite. Compositional data were provided to us by representatives of each multinational organization. As our regression analyses used age, gender, and full/part-time status as independent variables, we did not use weights in multivariate analyses.

4.2.4 Additional Tables

Table 4.2a: Random Effects Regression Results for the Effects of Country on Work Outcomes

<table>
<thead>
<tr>
<th></th>
<th>Work Engagement</th>
<th>Job Satisfaction</th>
<th>Organizational Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>-0.02</td>
<td>0.04*</td>
<td>-0.01</td>
</tr>
<tr>
<td>Undergraduate degree</td>
<td>-0.22***</td>
<td>-0.08***</td>
<td>-0.17***</td>
</tr>
<tr>
<td>Graduate degree</td>
<td>-0.28***</td>
<td>-0.14***</td>
<td>-0.23***</td>
</tr>
<tr>
<td>Income</td>
<td>-0.01</td>
<td>0.01</td>
<td>-0.01*</td>
</tr>
<tr>
<td>Lives with spouse/partner</td>
<td>0.07*</td>
<td>0.02</td>
<td>0.03</td>
</tr>
<tr>
<td>Work hours</td>
<td>0.01***</td>
<td>-0.00</td>
<td>-0.00</td>
</tr>
<tr>
<td>Part-time status</td>
<td>0.16</td>
<td>-0.03</td>
<td>0.17</td>
</tr>
<tr>
<td>Professional/technical</td>
<td>-0.23***</td>
<td>-0.11***</td>
<td>-0.14***</td>
</tr>
<tr>
<td>Service/sales</td>
<td>0.03</td>
<td>0.05</td>
<td>0.08</td>
</tr>
<tr>
<td>Other occupation type</td>
<td>-0.19***</td>
<td>-0.08**</td>
<td>-0.04</td>
</tr>
<tr>
<td>Has supervisory responsibilities</td>
<td>0.17***</td>
<td>0.11***</td>
<td>0.11***</td>
</tr>
<tr>
<td>Age 30-39 years</td>
<td>0.09</td>
<td>-0.05*</td>
<td>-0.06</td>
</tr>
<tr>
<td>Age 40-49 years</td>
<td>0.33***</td>
<td>0.02</td>
<td>0.13**</td>
</tr>
<tr>
<td>Age 50 years +</td>
<td>0.53***</td>
<td>0.15***</td>
<td>0.23***</td>
</tr>
<tr>
<td>Mid-career</td>
<td>-0.08*</td>
<td>-0.08***</td>
<td>-0.06</td>
</tr>
<tr>
<td>Late career</td>
<td>-0.35***</td>
<td>-0.19***</td>
<td>-0.16**</td>
</tr>
<tr>
<td>Child care responsibilities</td>
<td>0.04</td>
<td>0.00</td>
<td>0.07*</td>
</tr>
<tr>
<td>Elder care responsibilities</td>
<td>-0.01</td>
<td>-0.08**</td>
<td>0.00</td>
</tr>
<tr>
<td>Both child and elder care responsibilities</td>
<td>0.04</td>
<td>-0.04</td>
<td>0.10</td>
</tr>
<tr>
<td>Working in “old-developed” countries</td>
<td>-0.23</td>
<td>-0.04</td>
<td>-0.33</td>
</tr>
<tr>
<td>Working in “young-developing” countries</td>
<td>0.37</td>
<td>0.11</td>
<td>0.07</td>
</tr>
<tr>
<td>Constant</td>
<td>5.32***</td>
<td>4.54***</td>
<td>4.73***</td>
</tr>
</tbody>
</table>

Statistically significant effects are indicated as follows: ***p<.001, **p<.01, *p<.05

*a Reference = less than college; b Reference = managerial occupation; c Reference = under 30 years of age;
*d Reference = early career; e Reference = neither child nor elder care responsibilities; f Reference = working in China.
Table 4.2b: Ordinary Least Squares Regression Results for the Effects of Age on Work Outcomes in China

<table>
<thead>
<tr>
<th></th>
<th>Work Engagement</th>
<th>Job Satisfaction</th>
<th>Organizational Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Female</strong></td>
<td>-0.11</td>
<td>-0.06</td>
<td>-0.13**</td>
</tr>
<tr>
<td>Undergraduate degree</td>
<td>-0.17*</td>
<td>-0.02</td>
<td>-0.16**</td>
</tr>
<tr>
<td>Graduate degree</td>
<td>-0.26**</td>
<td>-0.14*</td>
<td>-0.26**</td>
</tr>
<tr>
<td>Income</td>
<td>-0.03*</td>
<td>-0.02*</td>
<td>-0.04***</td>
</tr>
<tr>
<td>Lives with spouse/partner</td>
<td>0.03</td>
<td>0.06</td>
<td>0.01</td>
</tr>
<tr>
<td>Work hours</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Part-time status</td>
<td>1.83</td>
<td>0.28</td>
<td>0.67</td>
</tr>
<tr>
<td>Professional/technical</td>
<td>-0.28*</td>
<td>-0.19*</td>
<td>-0.21*</td>
</tr>
<tr>
<td>Service/sales</td>
<td>0.06</td>
<td>0.04</td>
<td>0.00</td>
</tr>
<tr>
<td>Other occupation type</td>
<td>-0.41**</td>
<td>-0.26**</td>
<td>-0.21</td>
</tr>
<tr>
<td>Has supervisory responsibilites</td>
<td>0.16*</td>
<td>0.14**</td>
<td>0.13*</td>
</tr>
<tr>
<td>Age 30-39 years</td>
<td>0.06</td>
<td>-0.18***</td>
<td>-0.17**</td>
</tr>
<tr>
<td>Age 40-49 years</td>
<td>0.23</td>
<td>-0.22**</td>
<td>-0.13</td>
</tr>
<tr>
<td>Age 50 years +</td>
<td>0.18</td>
<td>-0.24</td>
<td>-0.02</td>
</tr>
<tr>
<td>Worksite 2</td>
<td>0.07</td>
<td>-0.01</td>
<td>-0.02</td>
</tr>
<tr>
<td>Worksite 3</td>
<td>0.18</td>
<td>-0.20**</td>
<td>-0.13</td>
</tr>
<tr>
<td>Constant</td>
<td>5.54***</td>
<td>4.71***</td>
<td>5.09***</td>
</tr>
</tbody>
</table>

Statistically significant effects are indicated as follows: **p<.01, *p<.05
a Reference = less than college; b Reference = managerial occupation; c Reference = under 30 years of age; d Reference = worksite 1.

Note: The effects of age were graphically illustrated in the text only if the three age group dummies were jointly significant.

Table 4.2b-1: Differences in Job Satisfaction across the Age Groups

<table>
<thead>
<tr>
<th>Age</th>
<th>Significant Difference (Job Satisfaction)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 30</td>
<td>Significantly different from 30-39 and 40-49</td>
</tr>
<tr>
<td>30-39</td>
<td>Significantly different from under 30</td>
</tr>
<tr>
<td>40-49</td>
<td>Significantly different from under 30</td>
</tr>
<tr>
<td>50+</td>
<td>No Difference</td>
</tr>
</tbody>
</table>
Table 4.2c: Ordinary Least Squares Regression Results for the Effects of Career Stage on Work Outcomes in China

<table>
<thead>
<tr>
<th></th>
<th>Work Engagement</th>
<th>Job Satisfaction</th>
<th>Organizational Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>-0.10</td>
<td>-0.05</td>
<td>-0.13*</td>
</tr>
<tr>
<td>Undergraduate degree *</td>
<td>-0.18*</td>
<td>-0.01</td>
<td>-0.15*</td>
</tr>
<tr>
<td>Graduate degree *</td>
<td>-0.24*</td>
<td>-0.14*</td>
<td>-0.25**</td>
</tr>
<tr>
<td>Income</td>
<td>-0.02</td>
<td>-0.02*</td>
<td>-0.04***</td>
</tr>
<tr>
<td>Lives with spouse/partner</td>
<td>0.03</td>
<td>0.06</td>
<td>0.00</td>
</tr>
<tr>
<td>Work hours</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Part-time status</td>
<td>1.74</td>
<td>0.29</td>
<td>0.69</td>
</tr>
<tr>
<td>Professional/technical b</td>
<td>-0.36**</td>
<td>-0.21**</td>
<td>-0.24*</td>
</tr>
<tr>
<td>Service/sales b</td>
<td>-0.00</td>
<td>0.03</td>
<td>-0.00</td>
</tr>
<tr>
<td>Other occupation type b</td>
<td>-0.45**</td>
<td>-0.26**</td>
<td>-0.21</td>
</tr>
<tr>
<td>Has supervisory responsibilities</td>
<td>0.16*</td>
<td>0.13**</td>
<td>0.13*</td>
</tr>
<tr>
<td>Mid-career c</td>
<td>-0.08</td>
<td>-0.20***</td>
<td>-0.12*</td>
</tr>
<tr>
<td>Late career c</td>
<td>-0.69**</td>
<td>-0.36**</td>
<td>-0.39*</td>
</tr>
<tr>
<td>Worksite 2 d</td>
<td>0.06</td>
<td>-0.04</td>
<td>-0.03</td>
</tr>
<tr>
<td>Worksite 3 d</td>
<td>0.13</td>
<td>-0.25***</td>
<td>-0.17</td>
</tr>
<tr>
<td>Constant</td>
<td>5.66***</td>
<td>4.74***</td>
<td>5.12***</td>
</tr>
</tbody>
</table>

Statistically significant effects are indicated as follows: ***p<.001, **p<.01, *p<.05

* Reference = less than college; b Reference = managerial occupation; c Reference = early career;

d Reference = worksite 1.

Note: The effects of career stage were graphically illustrated in the text only if the two career stage dummies were jointly significant.
Table 4.2d: Ordinary Least Squares Regression Results for the Effects of Life Stage on Work Outcomes in China

<table>
<thead>
<tr>
<th></th>
<th>Work Engagement</th>
<th>Job Satisfaction</th>
<th>Organizational Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>-0.10</td>
<td>-0.07</td>
<td>-0.14*</td>
</tr>
<tr>
<td>Undergraduate degree *</td>
<td>-0.16*</td>
<td>-0.01</td>
<td>-0.14*</td>
</tr>
<tr>
<td>Graduate degree *</td>
<td>-0.24*</td>
<td>-0.13*</td>
<td>-0.25**</td>
</tr>
<tr>
<td>Income *</td>
<td>-0.03</td>
<td>-0.03***</td>
<td>-0.05***</td>
</tr>
<tr>
<td>Lives with spouse/partner</td>
<td>0.00</td>
<td>0.04</td>
<td>-0.02</td>
</tr>
<tr>
<td>Work hours</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Part-time status</td>
<td>1.84</td>
<td>0.39</td>
<td>0.78</td>
</tr>
<tr>
<td>Professional/technical b</td>
<td>-0.30*</td>
<td>-0.18*</td>
<td>-0.21*</td>
</tr>
<tr>
<td>Service/sales b</td>
<td>0.04</td>
<td>0.08</td>
<td>0.03</td>
</tr>
<tr>
<td>Other occupation type b</td>
<td>-0.41**</td>
<td>-0.23**</td>
<td>-0.18</td>
</tr>
<tr>
<td>Has supervisory responsibilities</td>
<td>0.15*</td>
<td>0.13**</td>
<td>0.12*</td>
</tr>
<tr>
<td>Child care responsibilities c</td>
<td>0.10</td>
<td>-0.05</td>
<td>-0.03</td>
</tr>
<tr>
<td>Elder care responsibilities c</td>
<td>-0.16</td>
<td>-0.14</td>
<td>-0.11</td>
</tr>
<tr>
<td>Both child and elder care responsibilities c</td>
<td>0.04</td>
<td>-0.08</td>
<td>0.03</td>
</tr>
<tr>
<td>Worksite 2 d</td>
<td>0.05</td>
<td>-0.03</td>
<td>-0.01</td>
</tr>
<tr>
<td>Worksite 3 d</td>
<td>0.13</td>
<td>-0.23**</td>
<td>-0.15</td>
</tr>
<tr>
<td>Constant</td>
<td>5.62***</td>
<td>4.70***</td>
<td>5.07***</td>
</tr>
</tbody>
</table>

Statistically significant effects are indicated as follows: ***p<.001, **p<.01, *p<.05
* Reference = less than college; ** Reference = managerial occupation; *** Reference = neither child nor elder care responsibilities; * Reference = worksite 1.
References

-INTRODUCTION-


-SECTION 1-


-SECTION 2-


-SECTION 3-


SECTI0N 4


ABOUT THE SLOAN CENTER ON AGING & WORK

Established in 2005, The Sloan Center on Aging & Work at Boston College promotes quality of employment as an imperative for the 21st century multi-generational workforce. We integrate evidence from research with insights from workplace experiences to inform innovative organizational decision-making. Collaborating with business leaders and scholars in a multi-disciplinary dialogue, the Center develops the next generation of knowledge and talent management.

Since our founding, we have conducted more than 20 studies in collaboration with employers, including the Age & Generations Study, the Talent Management Study, and the Generations of Talent Study. Current projects include the Assessing the Impact of Time and Place Management Study and the Engaged as We Age Study. The Center on Aging & Work is grateful for the continued support of the Alfred P. Sloan Foundation.

For more information about the Sloan Center on Aging & Work at Boston College, please visit: http://agingandwork.bc.edu

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Other Reports from the Generations of Talent Study Currently Available


For all of the Center’s publications, visit our website at www.bc.edu/agingandwork
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