

Appendix D
Fort Carson Soldier and Household Survey
(June 2011)

FINAL Report

Fort Carson Soldier and Household Survey

Pikes Peak Area Council of Governments



FINAL Report

June 6, 2011

**Fort Carson Soldier and Household
Survey**

Prepared for

Pikes Peak Area Council of Governments
15 South Seventh Street
Colorado Springs, Colorado
719.471.7080 fax 719.471.1226
www.ppacg.org

Prepared by

BBC Research & Consulting
3773 Cherry Creek N. Drive, Suite 850
Denver, Colorado 80209-3868
303.321.2547 fax 303.399.0448
www.bbcresearch.com
bbc@bbcresearch.com



Table of Contents

I. Soldier Household Profile

Total Responses.....	I-1
Soldier and Household Demographics	I-1
Characteristics of Fort Carson Soldiers' Children.....	I-4
Deployments.....	I-6
Future Plans	I-7

II. Education

Children Attending School in Colorado	II-1
Adult Education.....	II-1

III. Housing

Soldier Household Housing Characteristics.....	III-1
Housing Tenure, Costs and Preferences.....	III-2

IV. Commuting

Commuting to Fort Carson	IV-1
Perceptions of Public Transportation	IV-3

Appendix A

Soldier and Household Survey Instrument with Results	A-1
--	-----

SECTION I.
Soldier Household Profile

SECTION I.

Soldier Household Profile

In early 2011, the Pikes Peak Area Council of Governments (PPACG) retained BBC Research & Consulting (BBC) to survey Soldiers and their spouses regarding their needs for housing and services. The survey was available online, and Soldiers and their spouses were invited to participate via email. A similar survey was conducted in-person at a Welcome Event held in Fort Hood in May 2009 with members of the 4th Infantry Division being transferred to Fort Carson.¹ Please note that the findings from this study may not be representative of Soldiers and their households at Fort Carson overall, because the survey was administered on a voluntary basis and most surveys were completed by spouses. Therefore, the findings are disproportionately representative of Soldiers with spouses/partners.

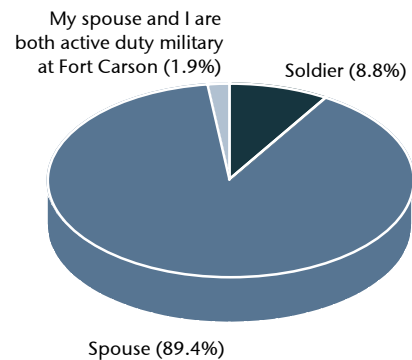
Total Responses

A total of 320 individuals responded to the survey. Overall, 34 surveys were completed by Soldiers and 286 by a Soldier's spouse or unmarried partner.² This differs from the 2009 Fort Hood survey, which was largely completed by Soldiers (not spouses/partners). Figure I-1 displays the overall distribution of respondents. In total, the 320 surveys represent 320 active duty Soldiers; 312 spouses/unmarried partners; and 516 children under the age of 19.³

Soldier and Household Demographics

Rank and time in service. As shown in Figure I-2, 90 percent of Soldiers represented in the survey are in the pay grade between E-3 and E-7.

Figure I-1.
Respondent Status



Note: N = 320.

Source: BBC Research & Consulting.

¹ http://www.ppacg.org/files/Military_Impact/Fort_Carson_Growth/Project_Materials/Growth_Plan/Phase_II/APP_A.pdf

² An unmarried partner was defined as a fiancé, girlfriend or boyfriend.

³ This is not cumulative. For example, 312 of the 320 survey respondents had spouses/unmarried partners.

Figure I-2.
Pay Grade Distribution of Soldiers

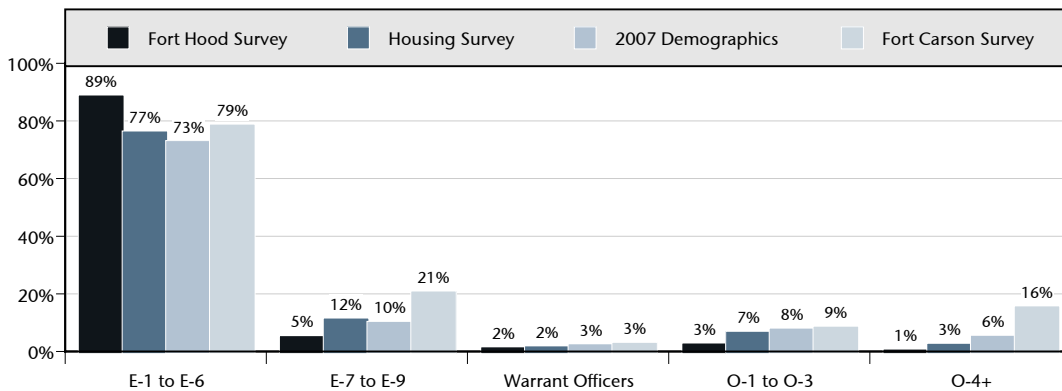
Enlistees	Number	Percent of Total Respondents	Warrant Officers	Number	Percent of Total Respondents	Officers	Number	Percent of Total Respondents
E-1	1	0.4%	W-1	0	0.0%	O-1	5	2.0%
E-2	1	0.4%	W-2	5	2.0%	O-2	4	1.6%
E-3	27	10.7%	W-3	1	0.4%	O-3	13	5.2%
E-4	71	28.2%	W-4	0	0.0%	O-4 +	13	15.9%
E-5	64	25.4%	W-5	2	0.8%			
E-6	35	13.9%						
E-7	37	14.7%						
E-8	7	2.8%						
E-9	9	3.6%						

Note: n=312.

Source: BBC Research & Consulting.

Figure I-3 compares the pay grade of respondents to those of the Fort Hood Soldier Survey (2009), a 2008 Fort Carson Housing Survey and a 2007 Demographics Study conducted by the Department of Defense. The pay grade profile of the 2011 Fort Carson survey is close to that of the 2007 Demographics Study, with a slightly greater proportion of Officers.

Figure I-3.
Pay Grade Comparison, Fort Carson Survey v. 2009 Fort Hood Soldier Survey, 2008 Fort Carson Housing Survey and 2007 Demographics Study

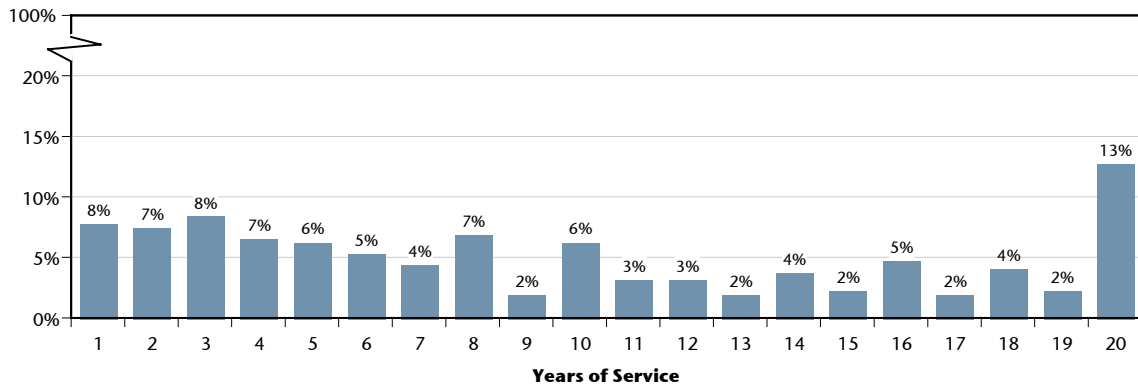


Note: Fort Carson Survey; n=233.

Source: BBC Research & Consulting, Neihaus Housing Study, and *Demographics 2007: Profile of the Military Community*, Office of the Deputy under Secretary of Defense and ICF International.

On average, Soldiers represented in the survey averaged 9.5 years in service. Figure I-4 depicts years of service, by year. Compared to the 2009 Fort Hood survey, the years of service were more equally distributed across years, while 40 percent of the Fort Hood respondents had been in the service three years or less.

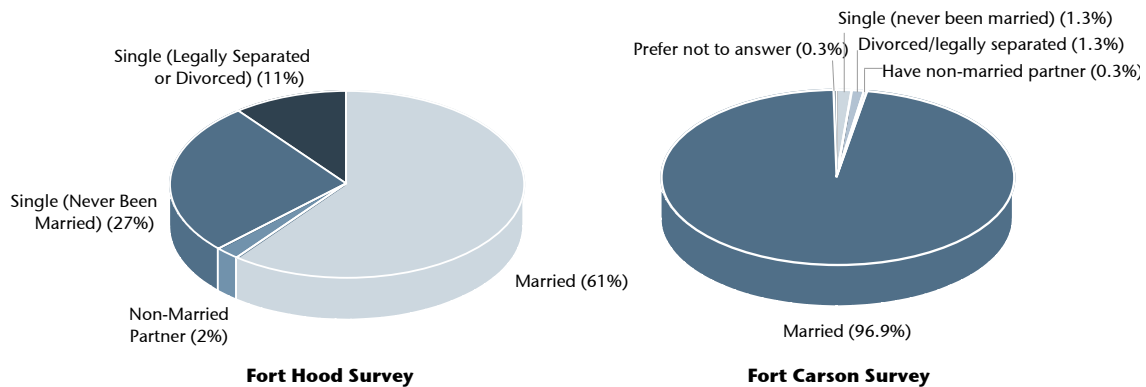
Figure I-4.
Years of Service for Soldiers



Note: n=323.
Source: BBC Research & Consulting.

Marital status. Nearly all respondents to the Fort Carson survey were married. One respondent had an unmarried partner and one respondent preferred not to answer the question. This is a different result from the Fort Hood survey, and is driven by the fact that 89 percent of the survey responses came from a Soldier’s spouse or unmarried partner. In the Fort Hood study, the opposite was the case, with 94 percent of surveys being completed by Soldiers. Figure I-5 compares marital status for respondents to the Fort Carson and Fort Hood surveys.

Figure I-5.
Marital Status Comparison, Fort Carson and Fort Hood Surveys



Note: n = 320.
Source: BBC Research & Consulting.

Employment and income of spouses. Overall, 25 percent of married Soldiers’ spouses work for pay. Of these, annual earnings range from \$1,400 to \$170,000. On average, Soldiers’ spouses earn less than \$31,000 per year, with a median income of \$26,000. Of working spouses, 84 percent work full-time. Among Soldiers with spouses, 30 percent of the spouses lost their employment as a result of moving to Fort Carson.

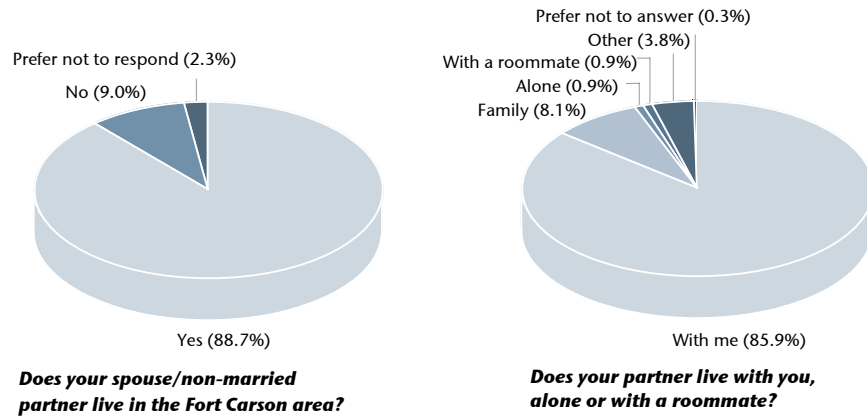
Location of spouse and children. Overall, nearly 90 percent of Soldier’s spouses or unmarried partners live in the Fort Carson area, and 86 percent live with the Soldier. About 8 percent of Soldier’s spouses live with family. For the few Soldiers’ spouses who do not live in the Fort Carson area, they cited housing prices/cost of living, deployment cycles, children’s school(s), wanting to be

near family or friends or the inability to sell their current home as reasons for not moving to Fort Carson. These spouses live in Arkansas, California, Colorado (e.g., Pueblo), Indiana, Kentucky, North Carolina, Ohio, Oregon, South Dakota and Virginia.

Figure I-6.
Living Situation of Soldier's Spouses/Unmarried Partners

Note:
n = 311; and n = 320.

Source:
BBC Research & Consulting.

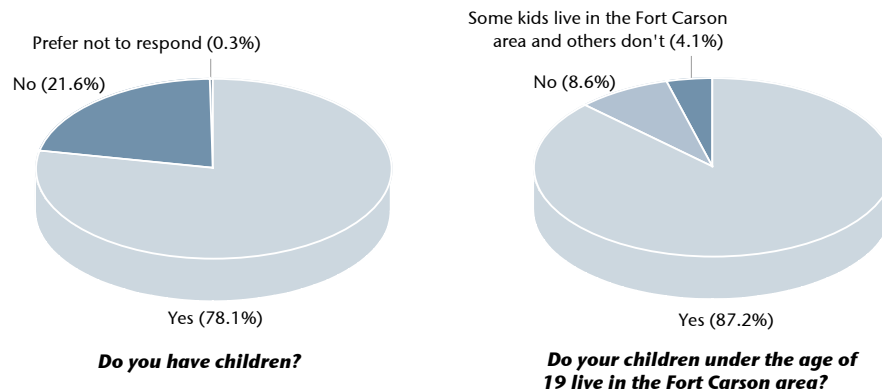


Overall, 78 percent of the households represented have children, and the majority of these children that are under age 19 (87 percent) live in the Fort Carson area, as detailed in Figure I-7. The reasons why children do not live in the Fort Carson area are very similar to those cited for spouses, primarily needing to be close to family, deployment cycles and schools.

Figure I-7.
Presence and Location of Children Under the Age of 19

Note:
N = 320; and n = 243.

Source:
BBC Research & Consulting.



Characteristics of Fort Carson Soldiers' Children

Respondents provided information about their number of children, their children's ages and special needs as well as the need for child care or preschool.

Number and age of children. On average, Fort Carson Soldiers have 1.6 children. Figure I-8 depicts the distribution of the number of children under age 18.

Figure I-8.
Number of Children
per Soldier Household

Note:
n = 292.

Source:
BBC Research & Consulting

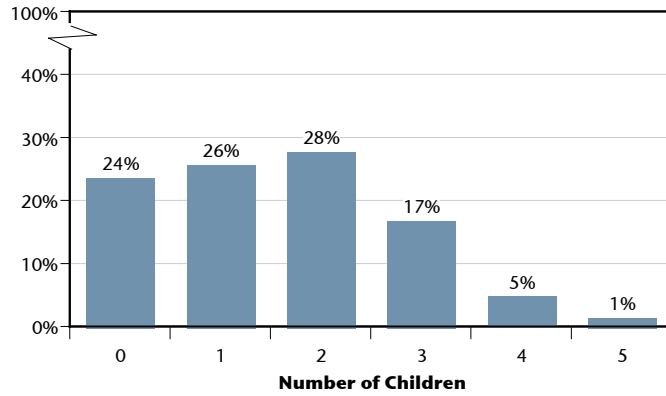


Figure I-9 presents the age distribution of all 516 children represented in the survey. Slightly more than one-third (36 percent) of all children in Soldier households are age 4 or younger.

Figure I-9.
Age Distribution of Children in Soldier Households

Age of Child	Number	Percentage	Age of Child	Number	Percentage
Less than 1 years old	36	7.0%	11 years old	21	4.1%
1 years old	46	8.9%	12 years old	20	3.9%
2 years old	35	6.8%	13 years old	29	5.6%
3 years old	34	6.6%	14 years old	17	3.3%
4 years old	34	6.6%	15 years old	21	4.1%
5 years old	37	7.2%	16 years old	14	2.7%
6 years old	29	5.6%	17 years old	11	2.1%
7 years old	27	5.2%	18 years old	10	1.9%
8 years old	28	5.4%	Over 18 years old	18	3.5%
9 years old	24	4.7%			
10 years old	25	4.8%			
			Total	516	100%

Note: n = 516 children.

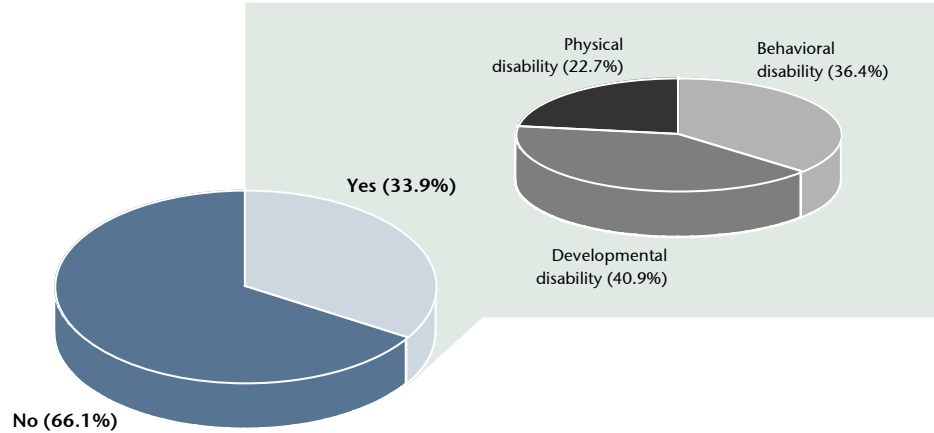
Source: BBC Research & Consulting.

Children with special needs. About one in three respondents reported that they had at least one child in the household with special needs. Figure I-10 depicts the distribution of the types of special needs these children have.

**Figure I-10.
Children with
Special Needs**

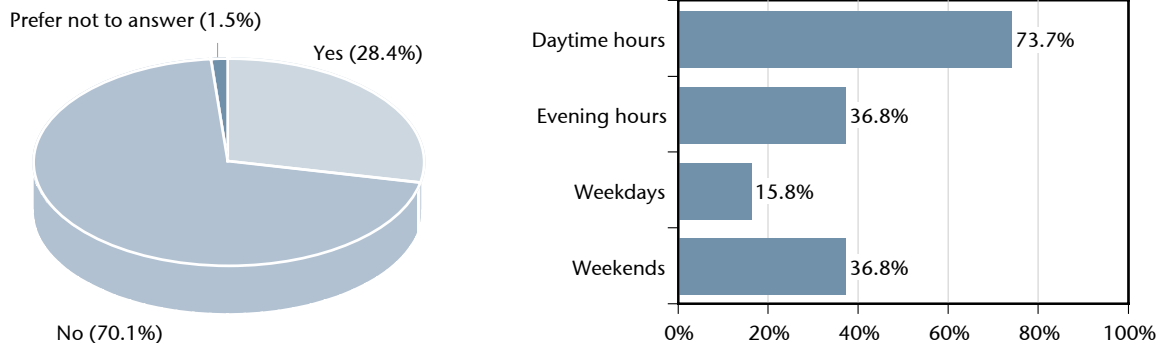
Note:
N = 283; and n = 88.

Source:
BBC Research &
Consulting.



As shown in Figure I-11, about 28 percent of Soldier households with special needs children need access to care for their children so that a parent can conduct activities of daily living such as running errands, exercising or socializing. Most of the care is needed during daytime hours. On average, parents require about 18 hours of care for their special needs child in a typical month and the hours of care needed ranged from 2 hours to 200.

**Figure I-11.
Care Needed by Parents of Children with Special Needs**



Note: n=67 and n=19, percentages add to greater than 100 percent due to multiple response.

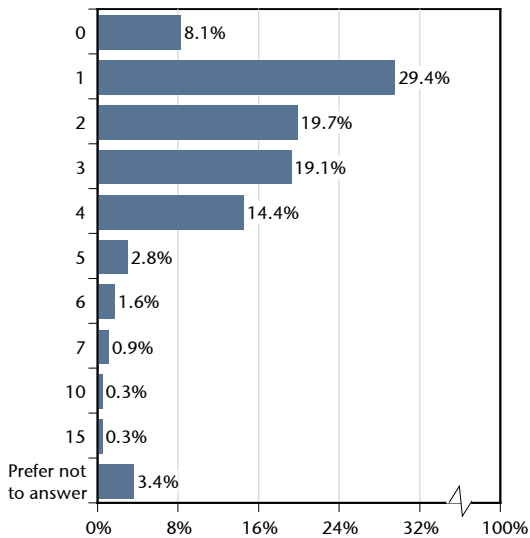
Source: BBC Research & Consulting.

Deployments

On average, since September 11, 2001, respondents' Soldiers have been deployed 2.3 times. Figure I-12 presents the distribution of prior deployments.

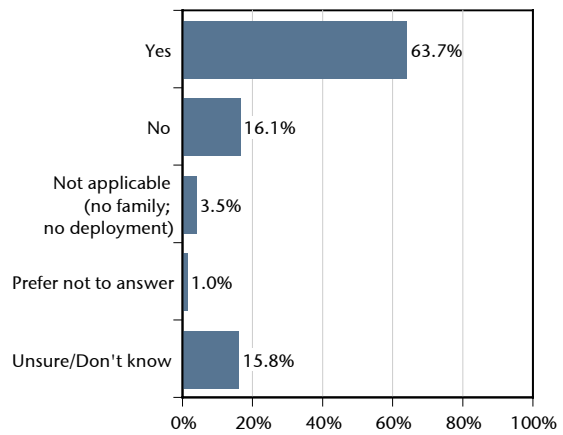
When asked if their family would move to or stay in Fort Carson during the Soldier's next deployment, 64 percent plan to stay in Fort Carson.

Figure I-12.
Number of Past Deployments



Note: n = 309.
 Source: BBC Research & Consulting.

Figure I-13.
Family Staying in Fort Carson During Soldier's Next Deployment



Note: n = 311.
 Source: BBC Research & Consulting.

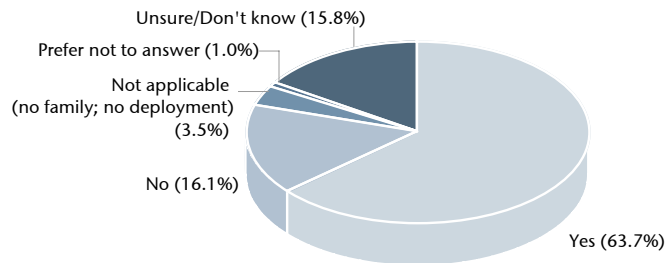
Future Plans

When the Soldier ETS/retires from the Army, nearly half (48 percent) do not plan to stay in the Fort Carson area, as shown in Figure I-14.

Figure I-14.
Plans to Stay in Fort Carson post ETS/retirement

Note:
 n = 320.

Source:
 BBC Research & Consulting.



SECTION II.

Education

SECTION II. Education

The survey instrument asked respondents about their children's child care and education needs as well as the desires of Soldiers and their spouses for continuing education. Please note that the findings from this study may not be representative of Soldiers and their households at Fort Carson overall, because the survey was administered on a voluntary basis and most surveys were completed by spouses. Therefore, the findings are disproportionately representative of Soldiers with spouses/partners.

Children Attending School in Colorado

Respondents with children attending school in Colorado were asked about the schools their children attend, satisfaction with the schools and whether or not their family uses afterschool programs.

Child care. Slightly more than one-quarter of Soldiers' households use regular child care or preschool in the Fort Carson area. As shown in Figure II-1, parents select preschools or child care centers both on and off-post and some utilize child care provided by non-relatives or friends.

**Figure II-1.
Regular Child Care or
Preschool Use and Type**

Note:
n = 251; and n = 76.

Source:
BBC Research & Consulting.

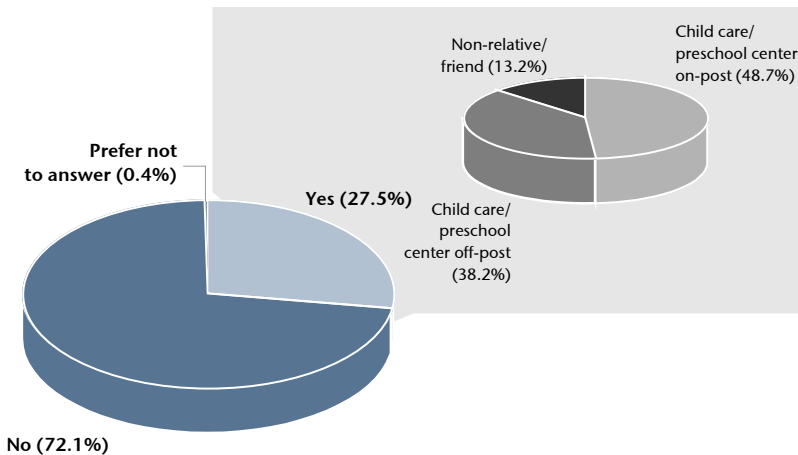


Figure II-2 depicts the on-post and off-post child care centers and preschools selected by parents.

Figure II-2.
Child Care Centers and Preschools Used, On and Off-Post

On-post	Number	Off-post	Number	Off-post (continued)	Number
Caring Saturdays	1	Chapel Hills Preschool	1	Pleasant Valley Baptist Church	1
Cheyenne Mountain CDC	2	Eagleside	1	Prarie heights Elementary	1
DAY CARE	1	FCC Home Care	1	Springs of Life	1
East Child Development Center	4	Gold's Gym	1	Sunrise MMO	1
FCC	1	Hope Montessori	1	Sunshine House	3
Hourly care	5	IEC	1	USAA CDC	1
patriot sas	1	Jordhal Elementary	1	Webster Elementary / Junior Academy	1
South Building	1	Local school	1	Widefield Community Center	1
Southeast Center	3	Lorraine	1	Widefield Preschool	1
Southwest CDC	4	Pauline Memorial Catholic School	1	YMCA	1
Weikel Elementary	3	Pauline Memorial Preschool	1		
West Center	4	Pikes Peak Respite	1		

Source: BBC Research & Consulting.

School district. Overall, 64 percent of the Soldier households with children represented in the survey have children attending school in the Fort Carson area. About 41 percent of their children attend school in the Fountain/Fort Carson School District. Figure II-3 presents the school districts that Fort Carson Soldiers' children attend.

Figure II-3.
School Districts Attended by Fort Carson Children

Note:
n = 317 children from 159 households.

Source:
BBC Research & Consulting.

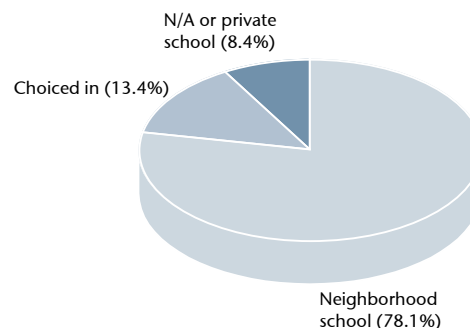
	Total	Percent of Total
Academy School District (SD 20)	23	7%
Cheyenne Mtn. School District (SD 12)	29	9%
Colorado Springs School District (SD 11)	8	3%
Falcon School District (SD 49)	25	8%
Fountain / Ft. Carson School District (SD 8)	129	41%
Hanover School District (SD 28)	1	0%
Harrison School District (D 2)	15	5%
Widefield School District (D 3)	49	15%
Other	38	12%
Total	317	

Neighborhood school or choice. Most Fort Carson parents (78 percent) send their children to neighborhood schools, as shown in Figure II-4.

Figure II-4.
Neighborhood School vs. Choice

Note:
n=320 children from 159 households.

Source:
BBC Research & Consulting.



Satisfaction with child’s school. Overall, parents are somewhat or very satisfied with their children’s schools. Only 7 percent are somewhat or very dissatisfied (Figure II-5).

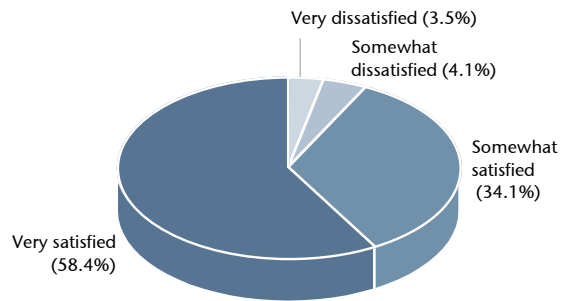
Figure II-5.
Satisfaction with Child’s School

Note:

n=317 children from 159 households.

Source:

BBC Research & Consulting.



Those few parents who were not satisfied with their child’s school explained their dissatisfaction. These comments included:

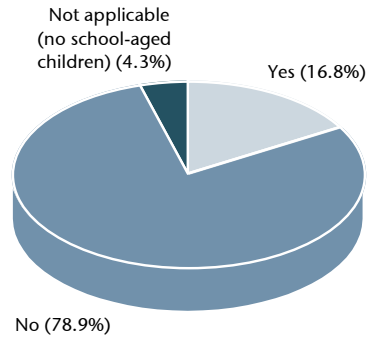
- “Too far away. Teachers are inaccessible. And they don't transfer kids' credits from other schools, putting military kids behind. They don't care if our kids graduate on time. And they make it very hard for our kids to excel in their sports programs.”
- “Very unpleasant and unprofessional to child’s needs. As parents we went with concerns and got no resolution although it was promised. We tried to take our children to other districts but couldn't because schools told us we had to live in that district. I do not agree with that since we are not permanent Colorado residents. We, as military, should be exempt from permanent residence rules. We don't have a choice to be stationed here, but our children's educational needs can't be met. Very dissatisfied with the schools offered and our options as concerned parents.”
- “The school has new program for special needs children that is not well funded. It does not have the space and equipment that the children require. The room is often in total chaos and the stress on my child is tremendous, but because we are in that district he MUST attend there. I am considering taking him out in favor of online school.”
- “I have witnessed the Weikel principal treat special needs families with punishment and contempt. I have watched good families be spoken down to by teachers—I have had it done to myself—and they in turn started homeschooling. The Weikel principal seems to not understand the hardships or just the lifestyle of the Army.”

Afterschool programs. Most parents do not use afterschool programs, as demonstrated in Figure II-6.

Figure II-6.
Use of after school programs for school-aged children

Note:
 n=161.

Source:
 BBC Research & Consulting.



Adult Education

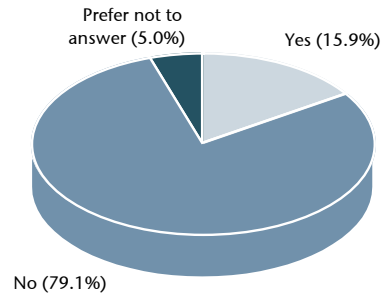
Respondents were asked if they or their spouse had taken college or vocational classes in the past 12 months and if they or their spouse intend to take any college or vocational classes while stationed at Fort Carson.

GoArmyEd accounts. As shown in Figure II-7, less than 20 percent of the survey respondents indicated they have a “GoArmyEd” account.

Figure II-7 .
GoArmyEd Accounts

Note:
 n = 320.

Source:
 BBC Research & Consulting.

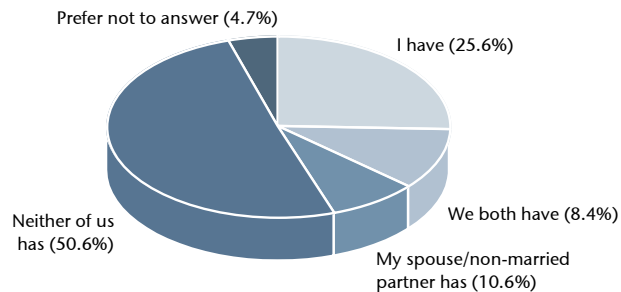


Recent educational activity. In the past 12 months, at least one adult in 49 percent of the represented households has taken some college or vocational classes.

Figure II-8 .
Adult Household Member Recent Educational Activity

Note:
 n = 320.

Source:
 BBC Research & Consulting.



SECTION III.
Housing

SECTION III. Housing

Fort Carson survey respondents were asked about their housing situation since arriving at Fort Carson. Please note that the findings from this study may not be representative of Soldiers and their households at Fort Carson overall, because the survey was administered on a voluntary basis and most surveys were completed by spouses. Therefore, the findings are disproportionately representative of Soldiers with spouses/partners.

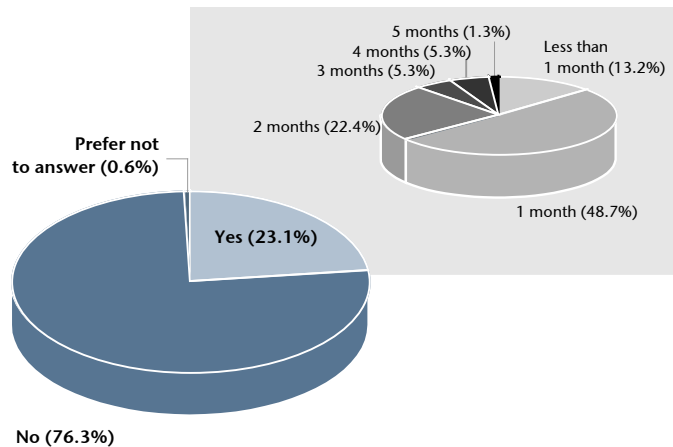
Soldier Household Housing Characteristics

Among the survey respondents, 23 percent lived in temporary housing upon arriving at Fort Carson, and they lived in temporary housing for an average of 1.8 months. Figure III-1 depicts the proportion of Soldiers' households living in temporary housing and the length of time spent in temporary housing.

**Figure III-1
Temporary Housing
Use and Length of Use**

Note:
n=320 and n=76.

Source:
BBC Research & Consulting.

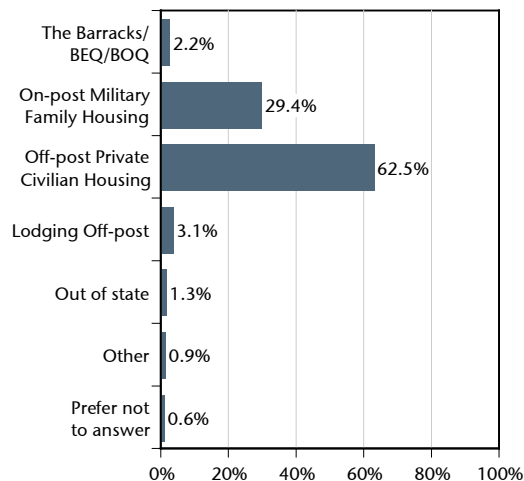


Type of current housing. The majority of respondents live off-post in private civilian housing, as detailed in Figure III-2.

**Figure III-2
Type of Current Housing**

Note:
n=320

Source:
BBC Research & Consulting.



Intent to move on-post in the future. Of those respondents not currently living on-post, 88 percent do not intend to move on-post in the future. For those households intending to move on-post in the future, Figure III-3 details the intended month and year of moving on-post.

**Figure III-3
Month and Year of
Planned Move On-Post**

Note:
n=26.

Source:
BBC Research & Consulting.

Month	2011	2012	2013	Don't Know
January		1	1	
February	2			
March	2			
April	2	1		
May	3			
June	2			
July	2			
August	1			
September	4			
Don't know	1			3

Housing Tenure, Costs and Preferences

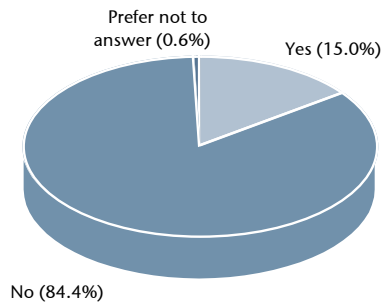
Survey respondents detailed their current homeownership status, the cost of housing and their housing preferences.

Homeownership outside of Fort Carson area. As shown in Figure III-4, about 15 percent of respondents own a home outside of Fort Carson. These homes are located in more than 25 cities across the country, including Augusta, Fayetteville, Killeen, Nampa, Rapid City, San Antonio, Tacoma and Williamsburg.

**Figure III-4
Homes Owned Outside of
Fort Carson**

Note:
n=320.

Source:
BBC Research & Consulting.

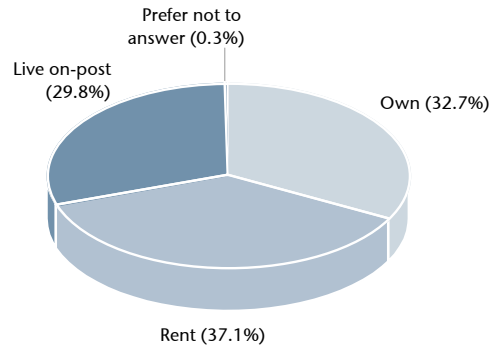


Current housing tenure. Figure III-5 presents the housing tenure of Fort Carson survey respondents. One in three owns the home they currently live in.

**Figure III-5
Housing Tenure**

Note:
n=315.

Source:
BBC Research & Consulting.



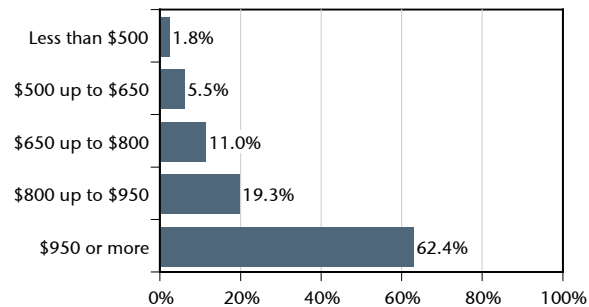
Cost of housing. Respondents reported their monthly housing costs.

Rental payment. On average, households that rent pay \$1,055 per month, excluding utilities. Rental costs ranged from \$425 to \$2,000. As shown in Figure III-6, 62 percent of renters pay more than \$950 per month.

**Figure III-6
Monthly Rent**

Note:
n=109.

Source:
BBC Research & Consulting.

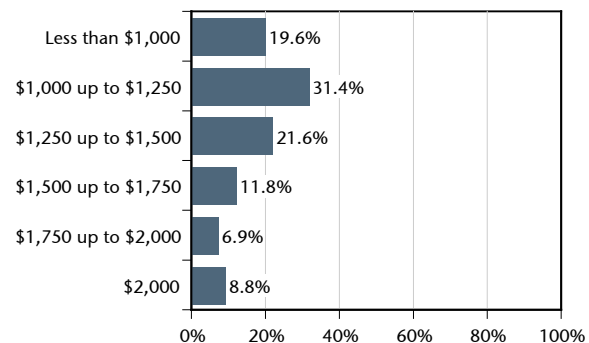


Mortgage payment and home value. Homeowners' monthly mortgage payments average \$1,348, and range from \$375 to \$4,500. As shown in Figure III-7, slightly more than half of homeowners (51 percent) have monthly mortgage payments less than \$1,250. Fort Carson area homeowners were asked if they thought their Basic Allowance for Housing (BAH) was adequate to cover their monthly mortgage payment—51 percent responded that their BAH was *not* adequate to cover their monthly mortgage. On average, homeowners believe that their home is worth approximately \$225,000, and estimated home values ranged from \$110,000 up to \$600,000.

**Figure III-7
Monthly Mortgage Payment**

Note:
n=102.

Source:
BBC Research & Consulting.



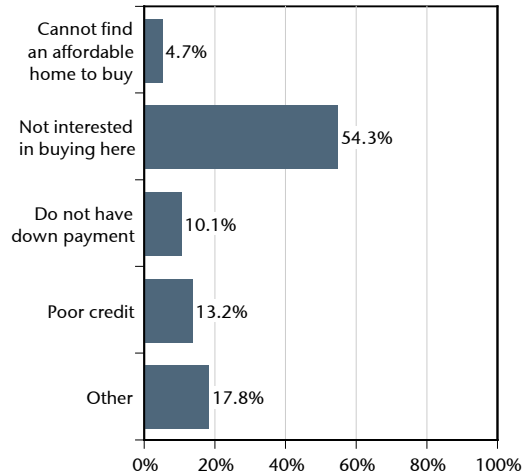
Reason for renting. More than half of renters (53 percent) choose to rent because they do not want to buy a house in the area. Reasons for renting noted in the “other” category include:

- “Base housing was not available when we PCSed.”
- “Didn't know how long we would be stationed here when we first arrived.”
- “We move too much to buy.”
- “Prefer to live on post.”
- “Waiting until deployment is over.”

**Figure III-8
Reasons for Renting Housing**

Note:
n=129.

Source:
BBC Research & Consulting.

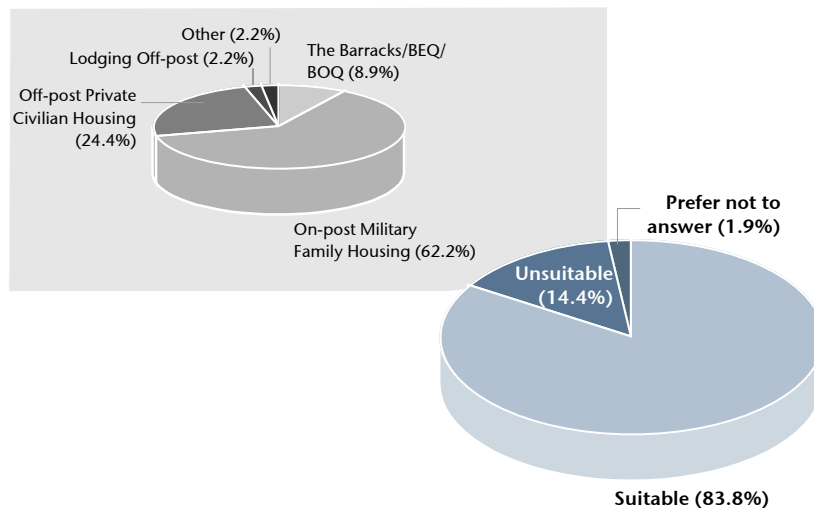


Suitability of current housing. As shown in Figure III-9, the majority of respondents consider their current housing to be suitable. Of those who consider their housing unsuitable, 71 percent live on-post.

**Figure III-9
Consider Housing to be suitable or unsuitable**

Note:
n=320 and n=45.

Source:
BBC Research & Consulting.



Respondents with unsuitable housing described why they characterized their housing as unsuitable. Representative comments include:

- “Housing is SUBSTANDARD. Very poor quality. Small, one car garage with inadequate parking pad. No storage shed. Cheap tile flooring. Worn, stained carpet that has NEVER BEEN REPLACED in home’s 7 year history (as verified by housing office). Appliances are VERY POOR quality. Oven is NOT SELF CLEANING, does not cook evenly. Dishwasher is very loud, does not clean well. Refrigerator is too small. No microwave. Housing of those with 21 years of service is inferior (flooring, appliances, square footage, garage size, even kitchen sink size) to those with 5 years of service even though we pay \$492/month more. Housing office routinely denies that complaints about appliances have been made and claims a 97 percent satisfaction rate on our street when every single resident is unhappy and has complained. Field grade on-post housing is vastly inferior to what can be obtained off post, despite claims to the contrary. Entire BAH is taken regardless of home size or quality and regardless of what others of the same rank have on post. Balfour Beatty housing office does not follow any standard procedures with regard to giving people housing—houses are given out to some walk-ins when there is still a list. Residents are not informed they qualify for larger homes. The inferior size of the home would be easier to accept if our home wasn’t so vastly inferior to those of families paying \$6000.00/year less in rent and have 16 years less service.”
- “If the Soldier does not have children then they get subpar housing that the DOD doesn't see fit for those who do have children.”
- “It is exceptionally small and the features and fixtures are so poorly made that it is a terrible value for the dollar amount we pay in rent. As soon as possible we will be leaving family housing. There are great homes to rent in Colorado Springs that are affordable for us.”
- “Most of the houses are old, not worth it for the money we are receiving for BAH. We lived in Shoshoni Village and had a problem with the pipes—for a little over a month my house smelled like sewage; maintenance came out 4 times during that month to inspect it until they realized it was a pipe leaking. The times before that they would just spray deodorizer and hoped that would do but it never worked. New housing looks ok, but the old houses really have to go. I know of other stories from other people in the these old houses and I don’t think it’s fair that they take advantage of the military.”
- “Our houses are too small, they are poorly insulated, our appliances are substandard, we have one car garages, our driveways are only one lane big for backing up, there is no storage provided for our home (some have sheds but ours doesn't), the overall finishes in our homes are very low for how much we pay each month in BAH.”
- “The housing is cheaply built. Also, it is the same house that I was living in when my spouse was an E-5. Since he's been promoted to E-6, our rent was raised yet the standard of living stayed the same. What we pay for rent is more than an E-4 is paying for the same exact home!”

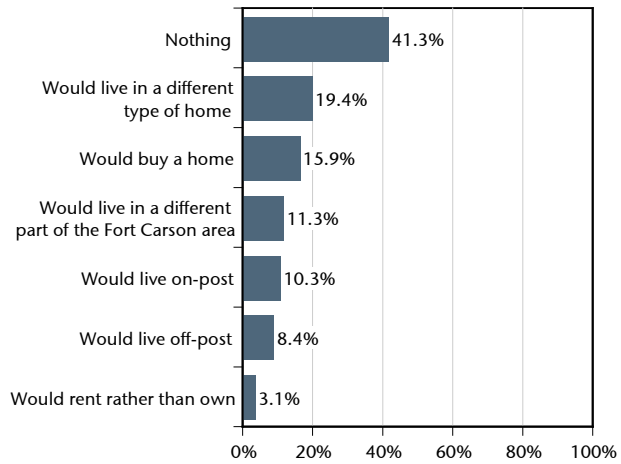
- “The parking situation is a complete joke. No accommodation with parking. Having ONE assigned parking spot for a FAMILY townhome is a joke and an insult for spouses of soldiers that actually have careers. Instead, there are cars that are broke down, with flat tires or expired tags that are allowed to take up visitor parking spots. Landscaping around the housing is not kept. Trash is always flying around. Dogs bark all hours of the night. The privacy fence gates are not secure and a strong wind can blow them open. The windows are so old and in poor condition that during high winds they whistle and rattle. These are just a few things I can think of at the moment. Once we find a house for rent off post, we are leaving.”

Desired changes to current housing situation. When asked what they would like to change about their current housing situation, respondents’ answers ranged from “nothing” to living in a different style of home or another location. Overall, 8 percent of respondents are currently on the waiting list for on-post military family housing.

**Figure III-10
Desired Changes to Current
Housing Situation**

Note:
n=320, percentages add to greater than 100 percent due to multiple response.

Source:
BBC Research & Consulting.



SECTION IV.

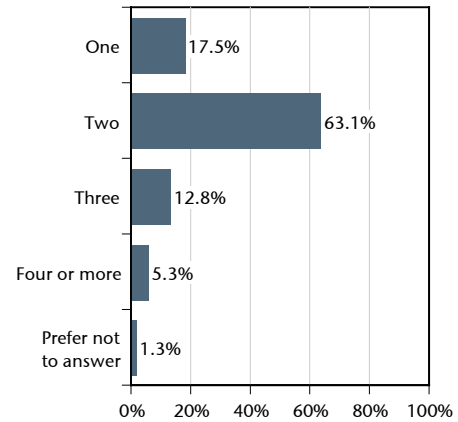
Commuting

SECTION IV. Commuting

Please note that the findings from this study may not be representative of Soldiers and their households at Fort Carson overall, because the survey was administered on a voluntary basis and most surveys were completed by spouses. Therefore, the findings are disproportionately representative of Soldiers with spouses/partners.

As part of the Fort Carson survey, Soldiers and their spouses responded to a series of questions related to their commuting habits and interest in using public transportation. Overall, 81 percent of Soldiers' households have two or more vehicles, as shown in Exhibit IV-1.

**Exhibit IV-1.
Number of Vehicles per Household**



Note: n=320.

Source: BBC Research & Consulting.

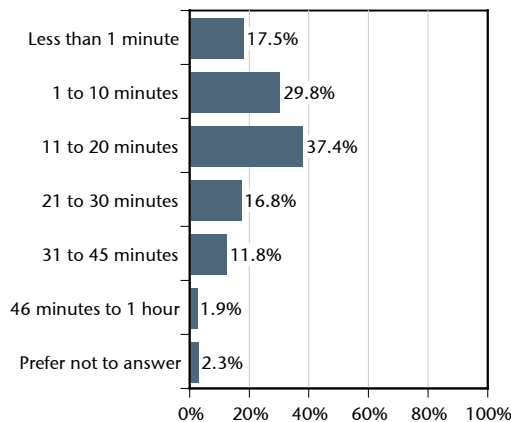
Commuting to Fort Carson

As discussed in previous chapters, 82 percent of the households surveyed live off-post and these Soldiers must commute to Fort Carson.

Time from home to gate. Exhibit IV-2 presents the typical one-way commute time for Soldiers from home to the gate. On average, commute time from home to gate is about 17 minutes.

Gate used. Approximately 84 percent of the respondents could identify the gate they or their spouse uses to access Fort Carson. As shown in Exhibit IV-3, 48 percent use Gate 20.

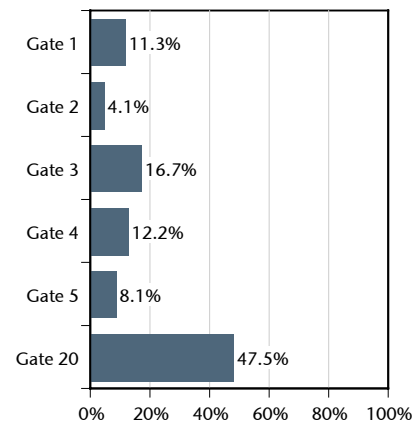
**Exhibit IV-2.
Commute Time from Home to Gate**



Note: n = 262.

Source: BBC Research & Consulting.

**Exhibit IV-3.
Gate Used to Access Fort Carson**

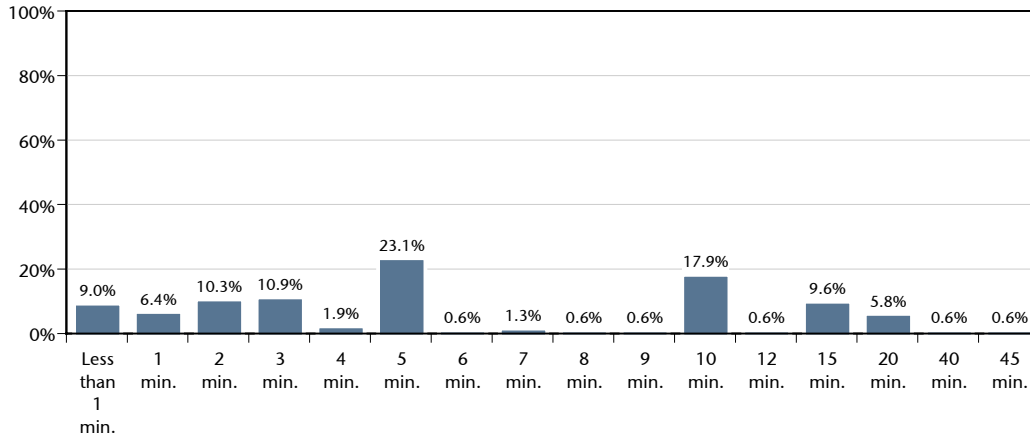


Note: n=225.

Source: BBC Research & Consulting.

Gate wait time. Overall, the average estimated gate wait time was 7 minutes. Exhibit IV-4 displays the distribution of gate wait time approximated by respondents.

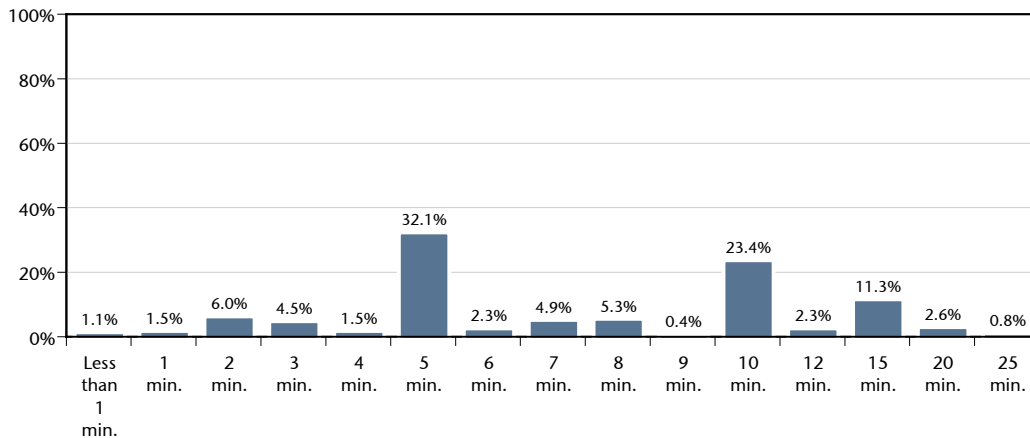
**Exhibit IV-4.
Gate Wait Time**



Note: n=156.
Source: BBC Research & Consulting.

Gate to destination. Once inside the gate, respondents estimate that it takes Soldiers an average of 8 minutes to reach their on-post destination. Exhibit IV-5 presents the distribution of gate to destination travel times approximated by respondents.

**Exhibit IV-5.
Time Spent Traveling From Gate to Destination, once inside Fort Carson**



Note: n = 265.
Source: BBC Research & Consulting.

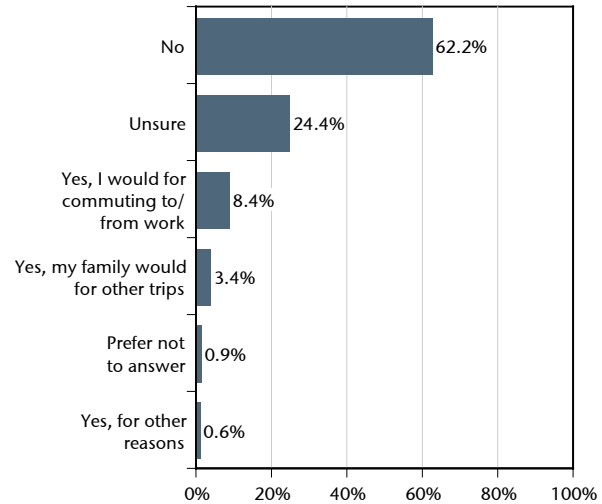
Perceptions of Public Transportation

Respondents were asked if they or their spouse would use public transportation to commute to Fort Carson, if it were available. As depicted in Exhibit IV-5, the majority (62 percent) would not use public transportation.

Respondents commented on the reasons why they or their spouse would not use public transportation to commute to Fort Carson. The primary reasons for electing to commute by personal vehicle included job-related duties that require a car, the need to run errands before and after work, personal preference and the perception that the public transportation system would be inconvenient, inefficient and potentially more costly than gas.

- “Because it is inconvenient. It would take three times longer to commute and we already don't spend enough time together.”
- “We have different appointments at different places, and my husband's job requires him to travel to different parts of post at any given time.”
- “Due to my husband's job, he needs to be able to drive to various agencies on-post during the day. I might use it for going to the gym or other MWR facilities, though.”
- “He wouldn't have his truck for lunch and random errands asked of him by his superiors.”
- “It does not allow me freedom. I would have to depend on someone else.”
- “We are from a city with a huge public transportation system and that was barely efficient, so we are sure Colorado Spring's mediocre system will not be good enough.”
- “We have two vehicles and are able to afford gas money. Public transportation is for those who need it.”
- “We live on post all ready. If there was a shuttle on post for everyone, my teenagers would utilize it.”

Exhibit IV-5.
If available, would you or your family use public transportation to Fort Carson?



Note: n = 320.

Source: BBC Research & Consulting.

APPENDIX A:
Soldier and Household
Survey Instrument with Results

Fort Carson Survey Instrument

Thank you for taking the time to complete this survey. This confidential survey is being conducted by a local government planning organization in the Fort Carson area. It is not for the purpose of selling you or your family anything. We want to ensure that the Fort Carson area is meeting your and your family's needs for housing and services.

We are not collecting information in this survey that will identify you or the members of your family. The aggregate survey results will be used by PPACG and service providers in the region to help us understand what Soldiers and their families need in the Fort Carson community.

Please respond to the questions in this survey based on your living situation prior to deployment.

You or your spouse may take the survey, but only one survey per household will be accepted. Please indicate below whether you are a soldier, the spouse of a soldier, or if you and your spouse are both active duty military at Fort Carson."

- Soldier (go to soldier survey path)
- Spouse (go to spouse survey path)
- My spouse and I are both active duty military at Fort Carson (go to soldier survey path)

INTRODUCTION

- Respondent status (n=320)
- Spouse/partner of Soldier 89.4%
- My spouse and I are both active duty military at Fort Carson 1.9%
- Soldier 8.8%

BASIC INFORMATION

- Spouse/non-married partner's unit (company, battalion/brigade): [CAPTURE OPEN-ENDED]
- Pay grade (n=312):
 - 0.4% E-1 13.9% E-6 1.6% O-2 0.4% O-7 2.0% W-2
 - 0.4% E-2 14.7% E-7 5.2% O-3 0.0% O-8 0.4% W-3
 - 10.7% E-3 2.8% E-8 5.2% O-4 0.4% O-9 0.0% W-4
 - 28.2% E-4 3.6% E-9 6.7% O-5 0.0% O-10 0.8% W-5
 - 25.4% E-5 2.0% O-1 3.2% O-6 0.0% W-1
- Avg. years of service (n=312): 9.5 years
- MOS (Military Occupational Specialty): _____
- Gender (n=320):
 - 91.3% Female
 - 8.8% Male
- Your marital status? (n=320)
 - 1.3% Single (never been married)
 - 96.9% Married
 - 1.3% Divorced/legally separated
 - 0.3% Prefer not to answer
 - 0.3% Have non-married partner

8. Does your partner live with you, alone or with a roommate? (n=320)
- 85.9% With me
 - 8.1% With other family members
 - 0.9% Alone
 - 0.9% With a roommate
 - 3.8% Other
 - 0.3% Prefer not to answer

11. Since September 2001, how many times has your spouse/non-married partner been deployed? (n=309)
- Average number of deployments: 2.3 times

11a. Will your family stay in or move to the Fort Carson area during your spouse's/non-married partner's next deployment? (n=311)

- 63.7% Yes
- 16.1% No
- 3.5% Not applicable (no family; no deployment)
- 15.8% Unsure/Don't know

The following questions are about you and (if applicable) your family. All information collected in this section will be combined with all others responding and will be kept strictly confidential and not tied back to individual respondents.

- 7a. Do you have children? (n=320)
- 78.1% Yes
 - 21.6% No
 - 0.3% Prefer not to answer

- 7b-1. Do you live in the Fort Carson area? (n=311)
- 88.7% Yes
 - 9.0% No
 - 2.3% Prefer not to answer

[ASK IF Q7a = YES]

- 7b-2. Do your children under the age of 19 live in the Fort Carson area? (n=243)
- 87.2% Yes
 - 8.6% No
 - 4.1% Some kids live in the Fort Carson area and others don't.

[ASK 7c & 7d IF 7b-1 = NO]

7c. Why are you not living in the Fort Carson area? (n=30)

- 10.0% Want to be with family/friends
- 0.0% Their job/school
- 13.3% Children's school(s)
- 13.3% Would move, but cannot sell our current house
- 20.0% Deployment cycles
- 23.3% Housing prices/cost of living
- 36.7% Other (please specify): Prefer to live off-post, prefer to live in North Colorado Springs, Live 40 miles from Fort Carson, Will be moving back after this deployment

7d. Where do you live? City (n=30): Colorado Springs (16), Colton, Fayetteville, Fountain (2), Henderson, Myrtle Point, New Albany, Peyton, Pueblo, Rapid City, Richmond, Vincennes, White Hall

State (n=29): Arkansas, California, Colorado (20), Indiana, Kentucky, North Carolina, Ohio, Oregon, South Dakota, Virginia

[ASK 7e & 7f IF 7b-2 = NO]

7e. Why don't your children live in the Fort Carson area? (n=22)

- 4.5% Want to be with family/friends
- 4.5% Their job/school
- 27.3% Children's school(s)
- 4.5% Cannot sell our current house
- 18.2% Deployment cycles
- 18.2% Housing prices/cost of living
- 36.4% Other (please specify): Live with parent in another state; in college; bought house off-post; stay with family during deployments

7f. Where do they live? City (n=20): Blacksburg, Colorado Springs (8), Colton, Fountain, Henderson, Myrtle Point, Peyton, Pueblo, Richmond, Ridgeland, Vincennes, White Hall
State (n=20): Arkansas, California, Colorado (12), Indiana, Kentucky, Oregon, South Carolina, Virginia

[Q8 MOVED EARLIER]

9. [SKIP TO Q10 IF Q7a (ABOVE) = NO]

9a. Please list the age(s) of your children as of January 1, 2011. Please enter '0' if your child is less than 1 year old. (n=516 children)

- 7.0% Less than 1 year
- 8.9% Age 1
- 6.8% Age 2
- 6.6% Age 3
- 6.6% Age 4
- 7.2% Age 5
- 5.6% Age 6
- 5.2% Age 7
- 5.4% Age 8
- 4.7% Age 9
- 4.8% Age 10
- 4.1% Age 11
- 3.9% Age 12
- 5.6% Age 13
- 3.3% Age 14
- 4.1% Age 15
- 2.7% Age 16
- 2.1% Age 17
- 1.9% Age 18
- 3.5% Older than 18

9b. Do any of your children have any of the following special needs? (n=250 households with children)

- 10.0% ADHD
- 4.0% Autism
- 0.0% Deaf/hard of hearing
- 3.6% Developmental disability
- 2.8% Emotional disability
- 7.2% Physical disability
- 6.8% Speech/language impairment
- 0.8% Visual impairment/blindness
- 11.2% Other
- 74.8% None of my children have special needs [SKIP TO Q9d]

9c. [ASK IF Q9b DOES NOT = NONE]

Do you need care for your children with special needs when you are doing activities such as errands, exercise or socializing? (n=67)

- 70.1% Yes
- 28.4% No
- 1.5% Prefer not to answer

9c-2. Do you receive this care typically on... [MULTI-RESPONSE] (n=19)

- 73.7% Daytime hours
- 15.8% Weekdays
- 36.8% Evening hours
- 36.8% Weekends

9c-3. About how many hours of care for your children do you need per month? (n=19)

average of 22 hours per month

9d. Do you use regular child care or preschool in the Fort Carson area? (n=251)

- 72.1% No
- 27.5% Yes
- 0.4% Prefer not to answer [SKIP to Q9f]

- 9e. What type of care? Please check all that apply. (n=76 types of care used)
- 48.7% Child care/preschool center on-post [ENTER NAME IF KNOWN]
 - 38.2% Child care/preschool center off-post [ENTER NAME IF KNOWN]
 - 13.2% Child care provided by non-relative/friend

9e-2. Do your children attend school in Colorado? (n=250 households with children)

63.6% Yes → ASK 9f.

36.4% No → SKIP to 9g.

9f. Where do your children attend school now? Include child care/preschool, elementary, middle and high school. Please complete this section only if your children attend school in Colorado. (n=159)

- Not Applicable, children are not in school [SKIP to Q10]
 - 7.3% Academy School District – SD 20
 - 9.1% Cheyenne Mtn. School District – SD 12
 - 2.5% Colorado Springs School District – SD 11
 - 0.0% Ellicott School District – SD 22
 - 7.9% Falcon School District – SD 49
 - 40.7% Fountain / Ft. Carson School District – SD 8
 - 0.3% Hanover School District – SD 28
 - 4.7% Harrison School District – D 2
 - 15.5% Widefield School District – D 3
 - 12.0% Other (Specify)

9g. Is this your neighborhood (home) school or did you choose in? [ASK FOR EACH SCHOOL ENTERED IN Q9f – DISPLAY SCHOOL NAME ABOVE QUESTION] (n=320 children from 159 households)

- 78.1% Neighborhood school
- 13.4% Chocied in
- 8.4% N/A or private school

9h. How satisfied are you with this school/child care? [ASK FOR EACH SCHOOL ENTERED IN Q9f – DISPLAY SCHOOL NAME ABOVE QUESTION] (n=317 children from 159 households)

- 58.4% Very satisfied
- 34.1% Somewhat satisfied
- 4.1% Somewhat dissatisfied
- 3.5% Very dissatisfied

[ONLY ASK IF Q9h = SOMEWHAT OR VERY DISSATISFIED]

9h-2. Why are you (somewhat/very) dissatisfied? _____

9i. Do you use after school programs for your school-aged children? (n=161)

- 78.9% Yes
- 16.8% No
- 4.3% Not applicable (no school-aged children)

10. When you were first assigned to Fort Carson, did you or your spouse/non-married partner live in temporary housing? (n=320)

- 23.1% Yes → for how long? 1.8 Months
- 76.3% No

[Q11 AND Q11A MOVED EARLIER]

HOUSING QUESTIONS

12. Where do you currently live? (Check One)
(n=320)

- 2.2% The Barracks/BEQ/BOQ
- 29.4% On-post Military Family Housing [SKIP to Q13]
- 62.5% Off-post Private Civilian Housing
- 0.0% Temporary On-post
- 3.1% Lodging Off-post
- 1.3% Out of state
- 0.9% Other
- 0.6% Prefer not to answer

12a. If you want to move on-post, when do you plan to move? (n=26)

Year: 2011 (19), 2012 (2) 2013 (1), Don't know (3)

13. Do you own a home outside of the Fort Carson area that you are currently not living in? (n=320)

- 15.0% Yes
If "Yes," where? Arizona (2), Arkansas, Colorado (11), Florida (3), Georgia (4), Hawaii, Idaho, Michigan, Minnesota (2), North Carolina (3), Oklahoma (2), South Carolina, South Dakota, Texas (12), Virginia (3), Washington
- 84.4% No
- 0.6% Prefer not to answer

For the next few questions, your answers apply to the Fort Carson area housing you or your family live(s) in.

14. Do you own or rent the home you currently live in? (n=315)

- 32.7% Own
- 37.1% Rent
- 29.8% Live on-post
- 0.3% Prefer not to answer

14a. What is your zipcode? _____

14b. What are the closest cross-streets to your current residence? (e.g., Main Street & Holly Drive) [CAPTURE OPEN-ENDED]

RENTERS: [ONLY ASK IF Q14 = RENT; OWNERS SKIP TO Q15]

14c. What is your monthly rent payment?
Please do not include utilities. (n=109) \$1,055 per month (average)

14d. Do you rent because: (n=129)

- 4.7% Cannot find an affordable home to buy
- 54.3% Not interested in buying here
- 10.1% Do not have down payment
- 13.2% Poor credit
- 17.8% Other: Base housing not available when they arrived; Move too much to buy; Prefer to live on post; Waiting for deployment to end

OWNERS: [ONLY ASK IF Q14 = OWN]

14e. What is your monthly mortgage payment?
Please include principle, interest, taxes and homeowners insurance. (n=102)

\$ \$1,348 per month (average)

14f. How much do you think your home is worth? (n=102) \$225,000 (average estimate)

- 14g. Do you feel your Basic Allowance for Housing (BAH) is adequate to cover your monthly rent or mortgage payment? (n=103)
- 48.5% Yes
 51.5% No
15. Do you consider your housing to be suitable or unsuitable? (n=320)
- 83.8% Suitable
 14.4% Unsuitable
 Prefer not to answer

If "Unsuitable," please explain why.

16. If you could change your housing situation, what would you change? (n=320)
- 58.8% Nothing
- 15.9% Would buy a home *When?* _____ *Where? Please enter the name of the city.* _____
- 3.1% Would rent rather than own
- 19.4% Would live in a different type of home (*please specify*): _____
(e.g., single family home, condo)
- 10.3% Would live on-post
- 8.4% Would live off-post
- 11.3% Would live in a different part of the Fort Carson area (*please specify*): _____
17. Are you currently on the wait list for on-post military family housing? (n=320)
- 7.8% Yes
 92.2% No

EMPLOYMENT QUESTIONS

18. Do you have a "GoArmyEd" account? (n=320)
- 15.9% Yes
 79.1% No
 5.0% Prefer not to answer
19. Have you and/or your spouse/non-married partner taken any college or vocational classes over the past 12 months? (n=320)
- My major/trade: _____
- Spouse's major/trade: _____
- 25.6% I have
 10.6% My spouse/non-married partner has
 8.4% We both have
 50.6% Neither of us has
 4.7% Prefer not to answer
20. Do you and/or your spouse/non-married partner plan to take any college or vocational classes while you are stationed at Fort Carson? (n=320)
- 25.6% I will
 14.1% My spouse/non-married partner will
 20.6% We both will
 15.9% Neither of us will
 22.8% Don't know
 0.9% Prefer not to answer
- [ASK Q20a. only if options 1-3 in Q20]
- 20a. Will you/your spouse/non-married partner prefer online courses, classes in person, or both? (n=193)
- 34.2% Online
 16.1% In person
 49.2% Both / Either

If you are married: [ONLY ASK IF Q6 = MARRIED]

21. Please estimate how much you earn per year from working. (n=76 working spouses)
- \$ 29,752 average per year

[PROVIDE CHECKBOX TO INDICATE IF IT IS PART-TIME OR SEASONAL WORK]

21a. What is your career field?
(e.g.; child care, engineering, sales)

Spouse's Employment Status (n=310)

- 71.0% Not working
- 20.3% Works full-time
- 7.7% Works part-time
- 1.0% Seasonal work

21-3. Did you lose your employment as a result of your move to Fort Carson? (n=141)

- 29.8% Yes
- 66.7% No
- 0.7% Not applicable (not married)
- 2.8% Prefer not to answer

If "Yes," what was your previous occupation? _____

If you are pursuing a new career/degree/certificate, what type? _____

22. Please estimate your household monthly income as of January 2011 and include all allowances (housing allowance, drill pay, special pay):

\$ These data are not reported because it is apparent that a significant number reported annual income, skewing the data and making accurate interpretation impossible.

23. What do you report as your home state for income tax purposes? [PROVIDE STATE DROP-DOWN MENU AND INCLUDE AN OPTION FOR 'OTHER']

COMMUTING QUESTIONS

24. How many vehicles does your household have? Motor vehicles include passenger vehicles and motorcycles, but do not include all-terrain/recreational vehicles (for example, ATV, RV). (n=320)

- 17.5% One
- 63.1% Two
- 12.8% Three
- 5.3% Four or more
- 1.3% Prefer not to answer

25. What is your spouse's average one-way morning commute time each day to the gate? (n=320)

- 24.4% 1 to 10 minutes
- 30.6% 11 to 20 minutes
- 13.8% 21 to 30 minutes
- 18.1% We live on-post) SKIP TO Q25c
- 9.7% 31 to 45 minutes
- 1.6% 46 minutes to 1 hour
- 1.9% Prefer not to answer

25a. Which gate does your spouse/non-married partner primarily enter when he/she goes on-post? (n=262)

- 9.5% Gate 1
- 3.4% Gate 2
- 14.1% Gate 3
- 10.3% Gate 4
- 6.9% Gate 5
- 40.1% Gate 20
- 2.7% Prefer not to answer
- 13.0% DK/NS

25b. Please estimate your spouse's/non-married partner's wait time for gate entry during his/her morning commute. (n=156)

7 minutes (average)

25c. Once inside the gate, please estimate your spouse's/non-married partner's travel time to his/her destination on-post. (n=265) 8 minutes (average)

26. If available, would your spouse/non-married partner utilize public transportation to Fort Carson (e.g., bus service)? (n=320)
- 8.4% Yes, my spouse/non-married partner would for commuting to/from work
 - 3.4% Yes, my family would for other trips
 - 0.6% Yes, for other reasons
 - 24.4% Unsure
 - 0.9% Prefer not to answer
 - 62.2% No → ask: "Why wouldn't you or your family utilize public transportation?"

FUTURE PLANS

27. When your spouse ETS/retires from the Army, do you plan to stay in the Fort Carson area? (n=320)
- 18.1% Yes *If "Yes," what occupation does your spouse/non-married partner want to have?* _____
 - 48.4% No
 - 32.8% Don't know
28. [ONLY ANSWER IF Q27 = YES] Will your spouse/non-married partner need job training/education to meet his/her occupational goals after ETS/retirement? (n=58)
- 55.2% Yes *If "Yes," what type of training/education?* _____
 - 34.5% No
 - 10.3% Prefer not to answer

ANY OTHER COMMENTS?

Thank you for your participation!