## \_\_\_\_\_

Mean	Std Dev
7657821	0.4414145
7899543	1.1969723
.8812785	0.3242015
.0639269	0.2451832

G run. The table shows that from the entire sample: She

the remaining four cases all nother on MSTATUS. es are outliers is followed at 4.16 shows the means on the t group. The data set is contact to the second at the second at

2 for RACE and 1,763 for e) for MSTATUS. For subsequently subsequently

s multicollinearity for the last ordiners. Ction of a journal article appear

## TABLE 4.17 Sytnax and Selected Multicollinearity Output From SAS REG

data SASUSER.SCREENF;
set SASUSER.SCREENT;
if subno=45 or subno=265 or subno=119 or subno=262 or
subno=584 then delete;
run;
proc reg data=SASUSER.SCREENF;
model SUBNO= ATTDRUG ATTHOUSE MSTATUS RACE LTIMEDRS/COLLIN;

## Collinearity Diagnostics

Numb	per	Eigenvalue	Condition Index
٠.	1	5.66743	1,00000
\ :	2	0.20446	5,26483
i i	3	0.05466	10.18261
	4	0.04223	11.58407
	5	0.02453	15.19939
	6	0.00668	29.13622

The REG Procedure Model: MODEL1 Dependent Variable: SUBNO

Collinearity Diagnostics

		var ra			
##### Intercept	ATTDRUG	ATTHOUSE	MSTATUS	RACE	LTIMEDRS
1 0.00026439 0. 2 0.00093585 3 0.00033355 4 0.00401 5 0.00391 6 0.99055	0.0066304 0.00162 0.00118 0.04221 0.53054 0.42378	0.00090957 0.00193 0.00259 0.28153 0.43329 0.27975	0.00148 0.01207 0.35672 0.40511 0.04863 0.17598	0.00169 0.01614 0.62656 0.20211 0.03159 0.12191	0.00581 0.92916 0.00305 0.05695 0.00408

## Results

tion to analysis, number of visits to health professionals, white toward drug use, attitude toward housework, income, status, and race were examined through various SAS for accuracy of data entry, missing values, and fit their distributions and the assumptions of multivariate their distributions were examined separately for the 246 women and the 219 housewives.

A case with a single missing value on attitude toward housework was deleted from the group of employed women, leaving 245 cases in that group. Income, with missing values on more than 5% of the cases, was deleted. Pairwise linearity was checked using within-group scatterplots and found to be satisfactory.

Two cases in the employed group were univariate outliers due to their extremely low z scores on attitude toward housework; these cases were deleted. By using Mahalanobis distance with p < .001, derived from leverage scores, 15 cases (about 3%) were identified as multivariate outliers in their own groups. Because several of these cases had extreme z scores on visits to health professionals and because that variable was severely skewed, a logarithmic transformation was applied. With the transformed variable in the variable set, only five cases were identified as multivariate outliers, all from the employed group.  $^{25}$  With all seven outliers and the case with missing values deleted,  $^{238}$  cases remained in the employed group and  $^{214}$  in the group of housewives.

<sup>&</sup>lt;sup>25</sup>All the outliers were non-Caucasian housewives. Thus, 36% (5/14) of the non-Caucasian housewives were outliers to fitter also had an unusually large number of visits to health professionals, one was unmarried, and one had exceptional unfavorable attitudes regarding use of drugs. Thus, results may not generalize to non-Caucasian housewives, particular those who are unmarried, make frequent visits to physicians, and have very unfavorable attitudes toward the use of drugs.