## Heart Disease Risk Knowledge among SHIELD Respondents with Dyslipidemia

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## BACKGROUND



- Exenesive eniveneer has shown that moniting risis factors can prevent the
development of f cardiousascular diseases CVV) evenats ${ }^{4}$


- Being awrir of the isis of heared disease is inportarat tas the first step in taking


## STUDY OBJECTIVE

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(ap) II II uidelines sisk kevel

## METHODS

## Study Design




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 Study Population
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## Study Measures

Krowedge of heard disease itsk was assessed by the question "oo you
know
kodeun know your reve of hear
modeate,

Study Measures (Continued)


 - High ofHo risk wass defineof by selt-reported diagnosisis of heart disease

 Low CHO Risk inculued $\leq 1$ isk factor

## Statistical Analyses

 of means

- Multivariate logisitic regression was used to identity predictors of heart disease


## RESULTS

In the SHELD population, 7,629 respondents had a diagnosis of dyslipidemia Table 1. Characterisitics of of shlel.

| Characereisitus |  | Treated dyslipidemia responden |  |
| :---: | :---: | :---: | :---: |
| Ase, veas, ne | ${ }_{\text {E0.6 (13,3) }}$ | 627 (122) | 968(4.5) |
| Wemen, \% | 59.9 | 559** | 643 |
| White, \% | ${ }^{906}$ | ${ }_{91.8{ }^{*}}$ | 88.5 |
|  | ${ }^{326}$ | ${ }_{33,6}$ | 30.9 |
| hrome, , witit S855,000 | 4.2 | 40.3 | ${ }_{428}$ |
|  | $\begin{aligned} & \text { ant } 2.16 \\ & 132 \end{aligned}$ | 624 and 78 78 | $\begin{aligned} & 429 \\ & 2729 \\ & 232 \end{aligned}$ |





Among all respondents with dyslipidemia, $29 \%$ did not know their heart disease
risk level
Untreated respondents were less likely to know their heart disease risk ( $33 \%$
don't know) than respondents who were treated for dyslipidemia
don't know
$(\mathrm{p}<0.001)$
Figure 2. Predictors of knowing the level of heart disease risk ( $n=6,363$ )


Multivariate regression showed that increasing age, white race, male gender,
higher income, higher income, higher education, and higher CHD Cisk level were
associated with knowedge of heart disease isk level $(\rho<0.05)$
Moderate CHD risk respondents were 41\% more likely and high CHD risk
respondents were $69 \%$ more likely to know their heart disease risk compared respondents were $69 \%$ more ikely to know
with low CHD risk respondents $(p<0.01)$

## CONCLUSIONS




 Theree er still much room for improvemen
awareness of his or her heart disease risk
Physicians may easily incorporate the NCEP ATP III guidelines into routine clinical
practice to educate their ratients on heart disease isk Icorporation of risk statis

- Incorporation of risk stratification educational materials and guidelines into other venues such as pharmacies, grocery stores, and heath clubs may help improve
awareness
Knowledge of heart disease isk level should facilitate discussion about preven-
tion goals to achieve a heart-heathy life
References



4. Conen JD. Am J Med 1997; 102:23-25

Abbreviations
$\begin{array}{ll}\text { ATP } & \text { Adult Treatment Panel } \\ \text { CHD } & \text { Coronary heart disease }\end{array}$
CHD Coronary heart disease
CI
Confidence interval
CVD Cardivasacular disease
HDL-C
NCP
High-density iliporote cholesterol



## DISCLOSURES

authors of this presentation have the following to disclose concerning possible Mancial or personal relationships with commercial entities that may have a direct
or indirect interest in the subject matter of this presentation:
Sandra Lewis: Advisory board member: Astrazeneca $L P$
Sandra Lewis: Avisisry board member: Astrazen
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