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# Tredyffrin / Easttown Community

## 2011 PA Youth Survey: Overview of Key Results

Information compiled and presented by:  
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The COAD Group

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# Why do we conduct a Pennsylvania Youth Survey (PAYS)?

- Provides an important benchmark for alcohol, tobacco, and other drug (ATOD) use and anti-social behavior among youth
- Assesses risk factors that are related to these behaviors and the protective factors that guard against them; information gained can be used to guide prevention efforts which helps address existing problems and promote healthy and positive youth development
- Occurs at the same time every two years throughout Chester County and the state and a similar survey occurs at the national level; allows for accurate comparison of results
- Occurs in the school setting to be able to capture the most responses, but is a community survey in that it measures information occurring in multiple areas of the young person's life

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# Survey Facts and Methodology

- All twelve Chester County School Districts participated
- In Fall of 2011, students in grades 6, 8, 9 (T/E only), 10 and 12 were surveyed including:
  - 1,880 in the T/E Community (395 - 6<sup>th</sup>; 389 - 8<sup>th</sup>; 397 - 9<sup>th</sup>; 378 - 10<sup>th</sup>; 321 - 12<sup>th</sup>)
  - 14,600 in Chester County
- Survey takers were informed that participation is voluntary, surveys are anonymous and confidential, could skip any question they were uncomfortable answering and there are no right or wrong answers
- Four strategies were used to assess the validity of the surveys; the following would be excluded:
  - Youth who exaggerate their use of drugs
  - Youth who exaggerate the frequency of other antisocial behaviors
  - Reported use of a fictitious drug
  - Repeated logically inconsistent pattern of substance use

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Fall 2011

*Pennsylvania Youth Survey (PAYs) Results*

■ Comparable Data

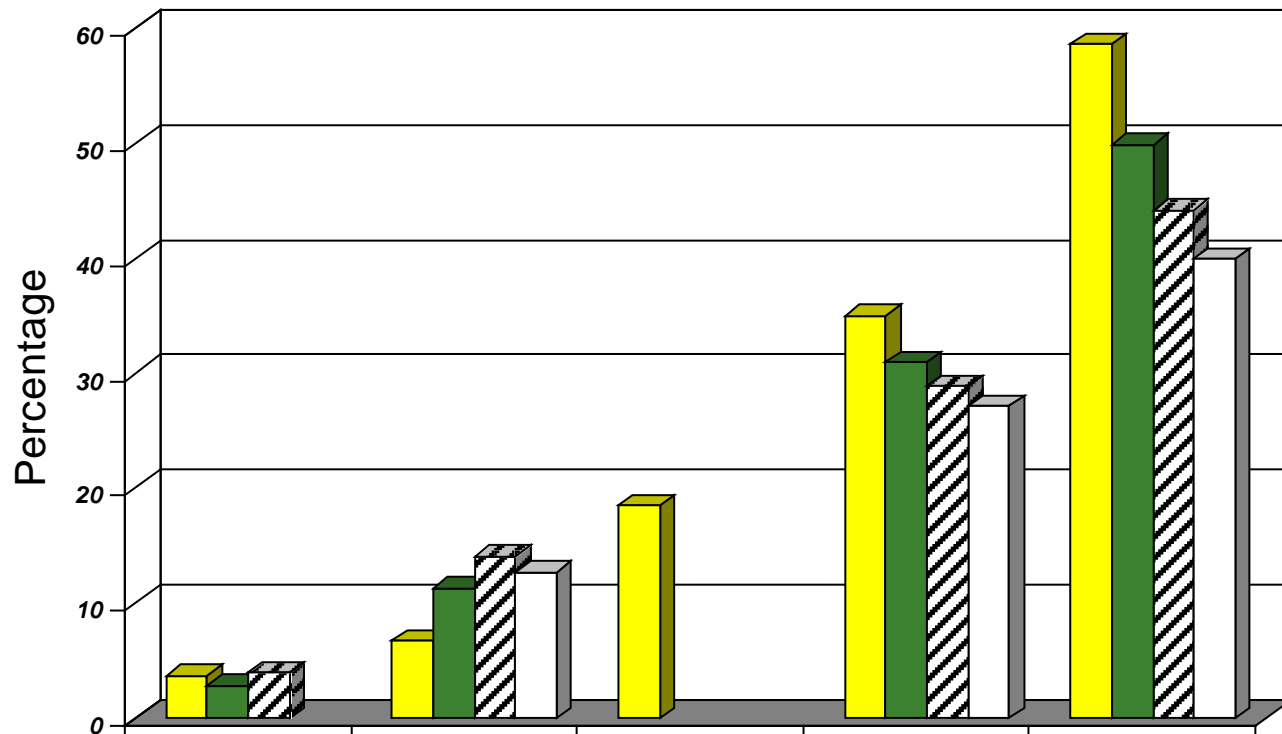
- T/E Community
- Chester County
- Pennsylvania State
- Monitoring the Future  
(National)

■ T/E Community Trends

- 2003
- 2005
- 2007
- 2009
- 2011

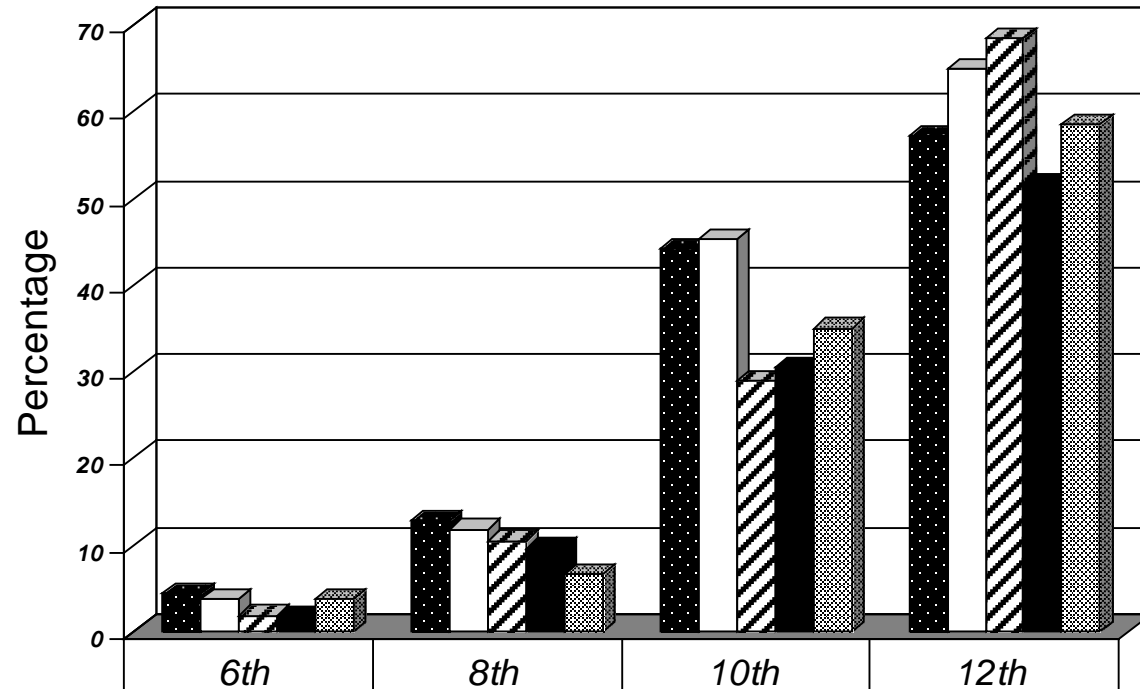
# Alcohol – Past 30-Day Use – 2011

(Beer, wine, hard liquor)



|                  | 6th     | 8th  | 9th     | 10th | 12th |
|------------------|---------|------|---------|------|------|
| ■ T/E Community  | 3.7     | 6.7  | 18.5    | 35.0 | 58.6 |
| ■ Chester County | 2.8     | 11.3 | No Data | 31.0 | 49.9 |
| ▨ PA - State     | 4.0     | 14.1 | No Data | 28.9 | 44.2 |
| □ MTF - National | No Data | 12.7 | No Data | 27.2 | 40.0 |

# T/E Community Trend – Alcohol Past 30-Day Use

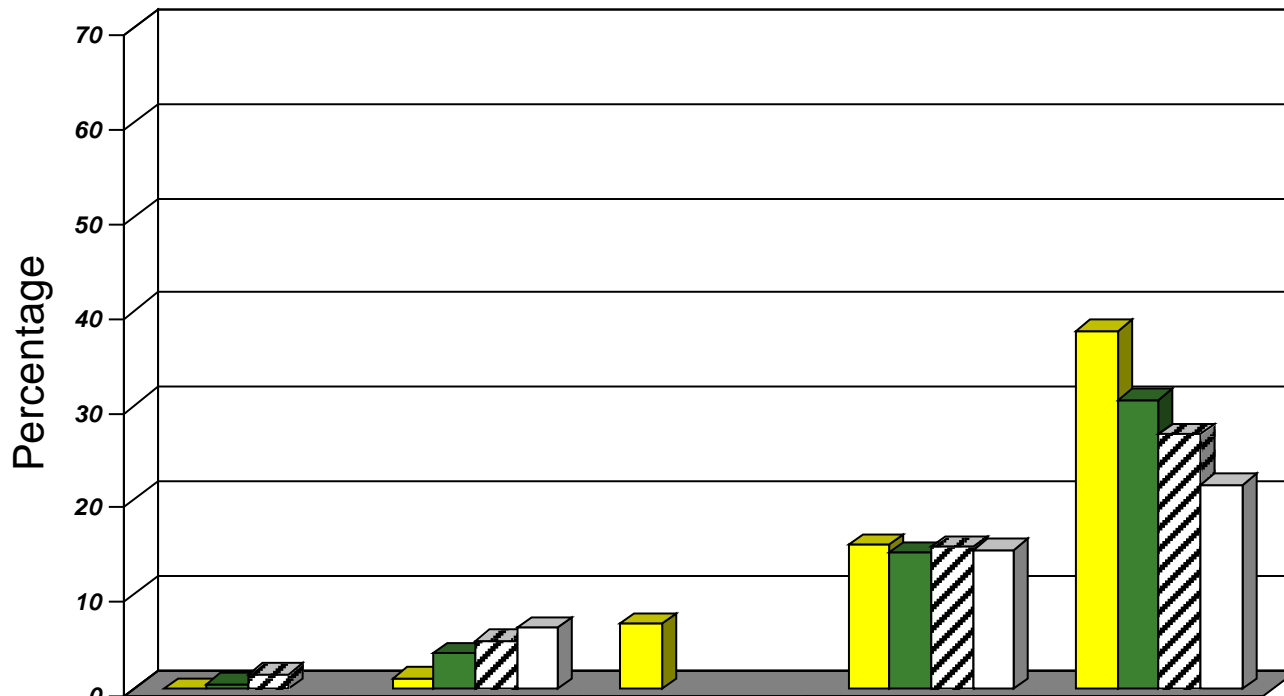


|                        | 6th | 8th  | 10th | 12th |
|------------------------|-----|------|------|------|
| ■ T/E Community - 2003 | 4.4 | 12.8 | 44.2 | 57.1 |
| □ T/E Community - 2005 | 3.8 | 11.8 | 45.2 | 64.9 |
| ▨ T/E Community - 2007 | 1.9 | 10.5 | 28.9 | 68.5 |
| ■ T/E Community - 2009 | 1.7 | 9.6  | 30.5 | 51.6 |
| ▩ T/E Community - 2011 | 3.7 | 6.7  | 35.0 | 58.6 |



# Binge Drinking – 2011

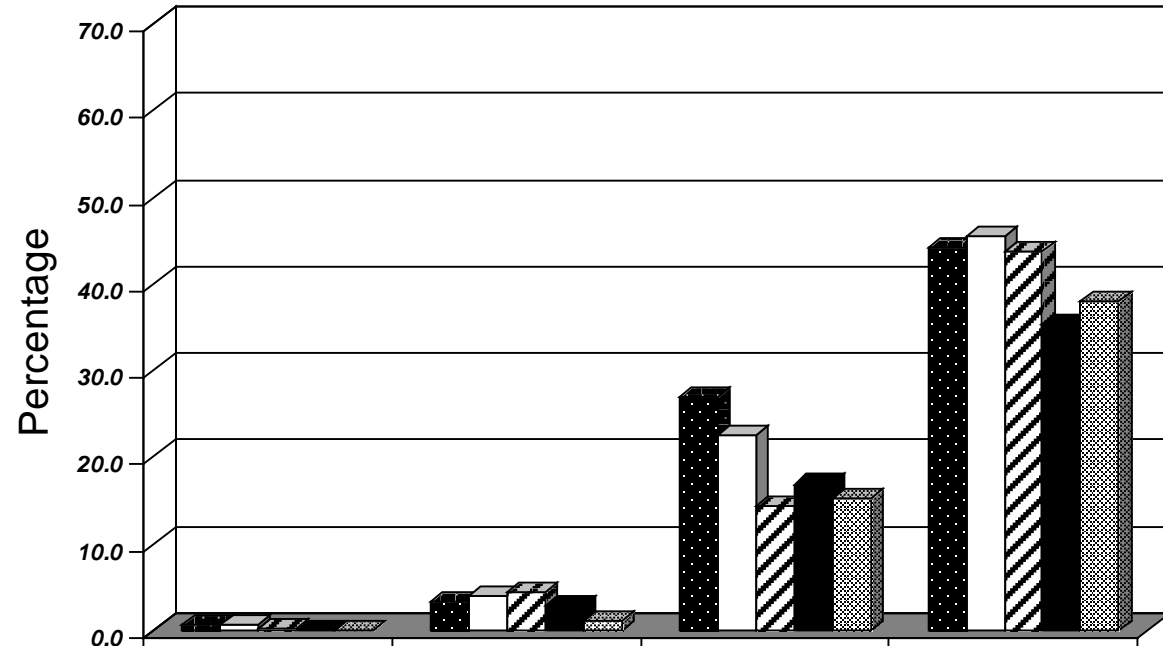
(Five or More Drinks in a Row in the Past Two Weeks)



|                  | 6th     | 8th | 9th     | 10th | 12th |
|------------------|---------|-----|---------|------|------|
| ■ T/E Community  | 0.0     | 1.1 | 6.8     | 15.3 | 37.9 |
| ■ Chester County | 0.5     | 3.7 | No Data | 14.4 | 30.6 |
| ▨ PA - State     | 1.5     | 5.1 | No Data | 15.0 | 26.9 |
| □ MTF - National | No Data | 6.4 | No Data | 14.7 | 21.6 |

# T/E Community Trend – Binge Drinking

(Five or More Drinks in a Row in the Past Two Weeks)

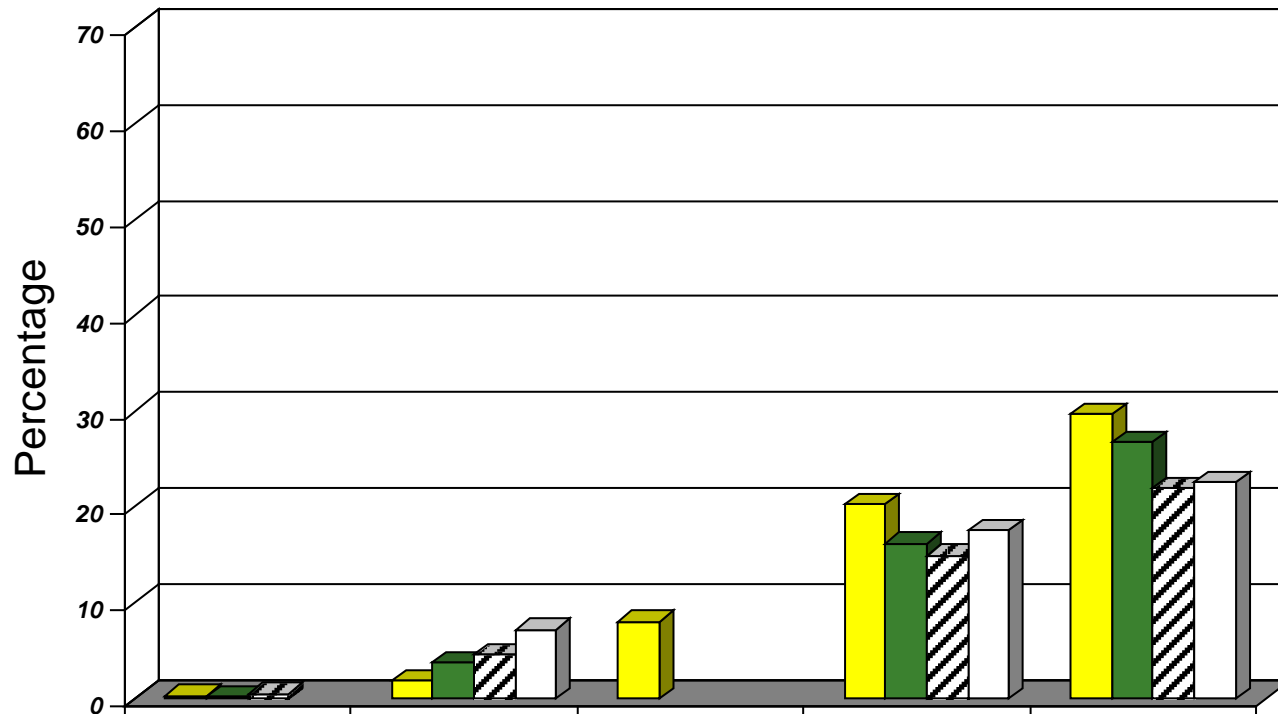


|                        |     |     |      |      |
|------------------------|-----|-----|------|------|
| ■ T/E Community - 2003 | 0.7 | 3.3 | 26.9 | 44.2 |
| □ T/E Community - 2005 | 0.7 | 3.9 | 22.5 | 45.4 |
| ▨ T/E Community - 2007 | 0.2 | 4.5 | 14.3 | 43.7 |
| ■ T/E Community - 2009 | 0.0 | 2.9 | 16.9 | 35.3 |
| ▩ T/E Community - 2011 | 0.0 | 1.1 | 15.3 | 37.9 |



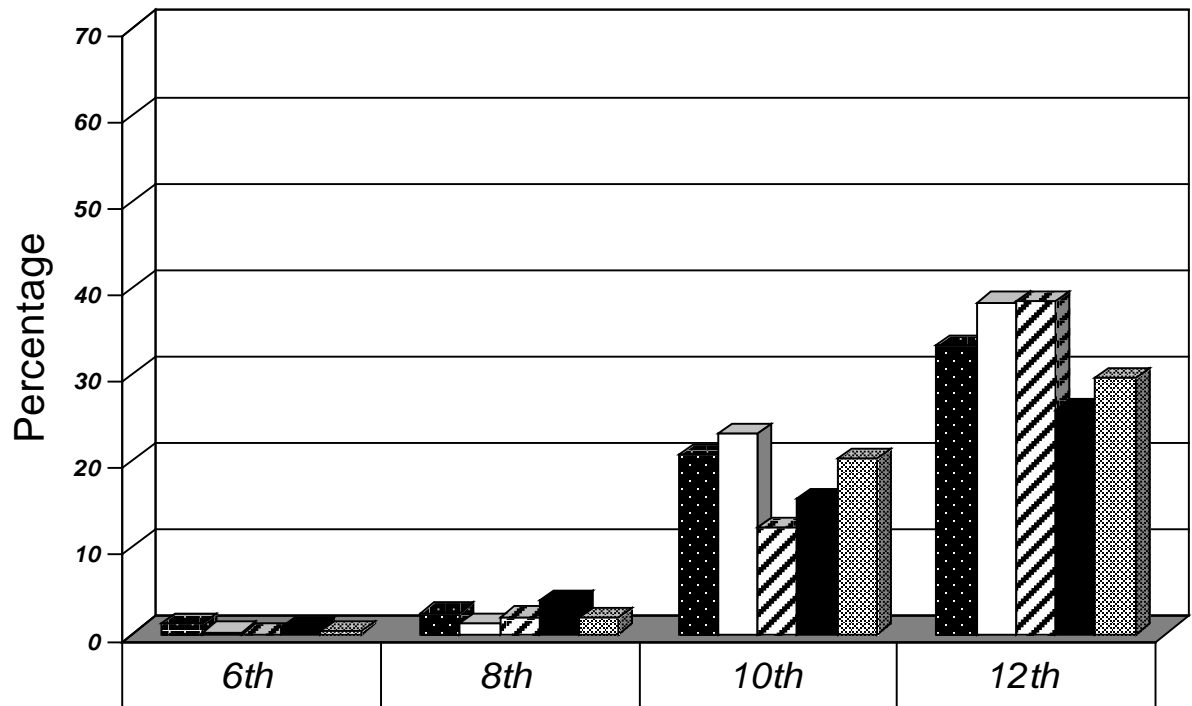


# Marijuana – Past 30-Day Use - 2011



|                  | 6th     | 8th | 9th     | 10th | 12th |
|------------------|---------|-----|---------|------|------|
| ■ T/E Community  | 0.3     | 1.9 | 8.0     | 20.2 | 29.6 |
| ■ Chester County | 0.2     | 3.7 | No Data | 16.2 | 26.7 |
| ▨ PA - State     | 0.5     | 4.5 | No Data | 14.9 | 21.9 |
| □ MTF - National | No Data | 7.2 | No Data | 17.6 | 22.6 |

# T/E Community Trend – Marijuana Past 30-Day Use

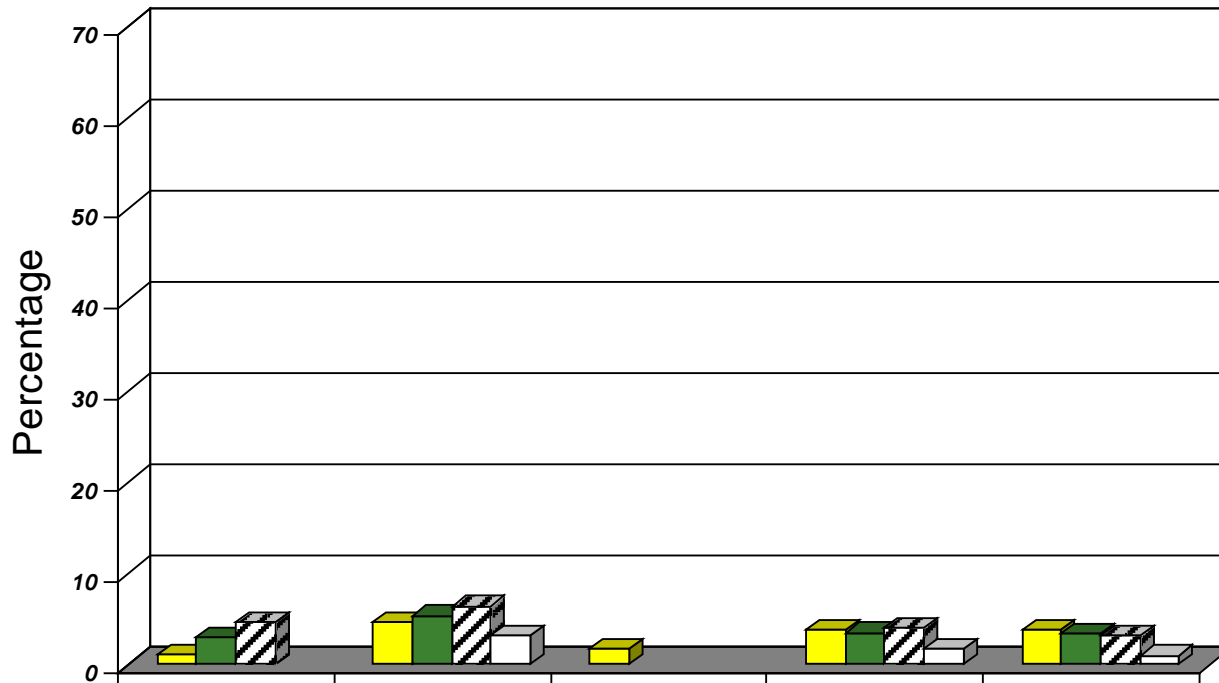


|                        | 6th | 8th | 10th | 12th |
|------------------------|-----|-----|------|------|
| ■ T/E Community - 2003 | 1.2 | 2.4 | 20.7 | 33.3 |
| □ T/E Community - 2005 | 0.2 | 1.2 | 23.1 | 38.3 |
| ▨ T/E Community - 2007 | 0.0 | 2.0 | 12.3 | 38.4 |
| ■ T/E Community - 2009 | 0.8 | 3.8 | 15.6 | 25.9 |
| ▨ T/E Community - 2011 | 0.3 | 1.9 | 20.2 | 29.6 |



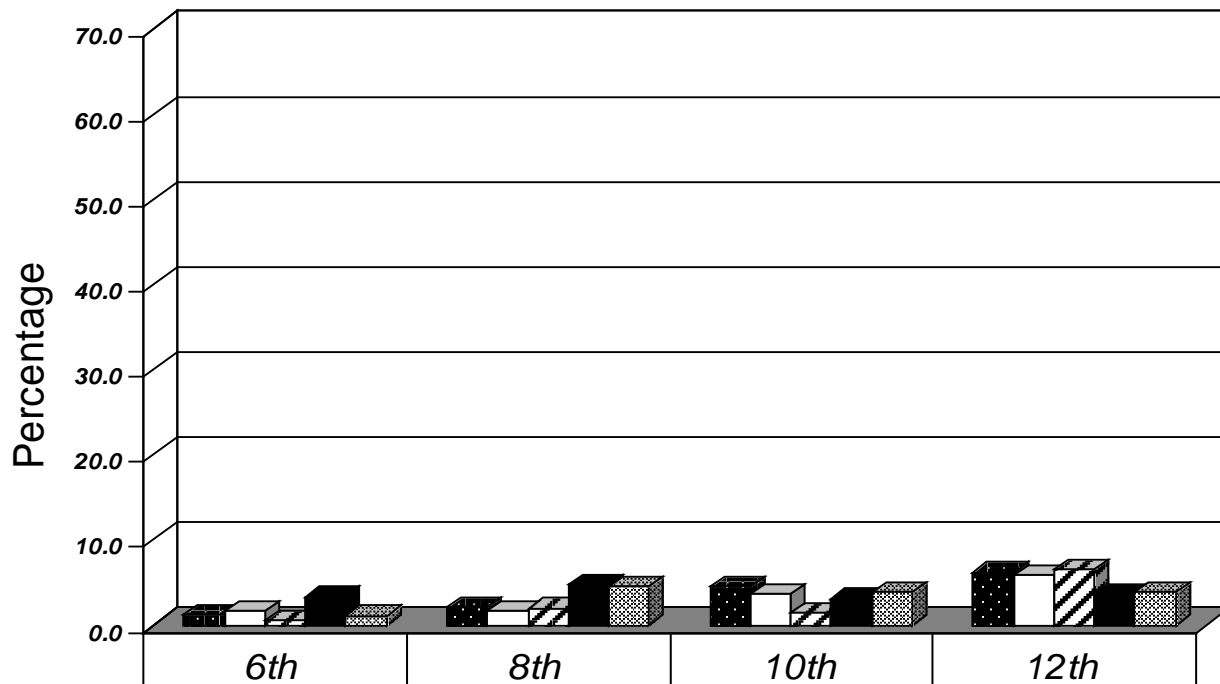
# Inhalants – Past 30-Day Use – 2011

(Sniffed glue, breathed the contents of an aerosol spray can, or inhaled other gases or sprays in order to get high)



|                  | 6th     | 8th | 9th     | 10th | 12th |
|------------------|---------|-----|---------|------|------|
| ■ T/E Community  | 1.1     | 4.6 | 1.8     | 3.8  | 3.8  |
| ■ Chester County | 3.0     | 5.4 | No Data | 3.5  | 3.4  |
| ▨ PA - State     | 4.7     | 6.4 | No Data | 4.0  | 3.2  |
| □ MTF - National | No Data | 3.2 | No Data | 1.7  | 1.0  |

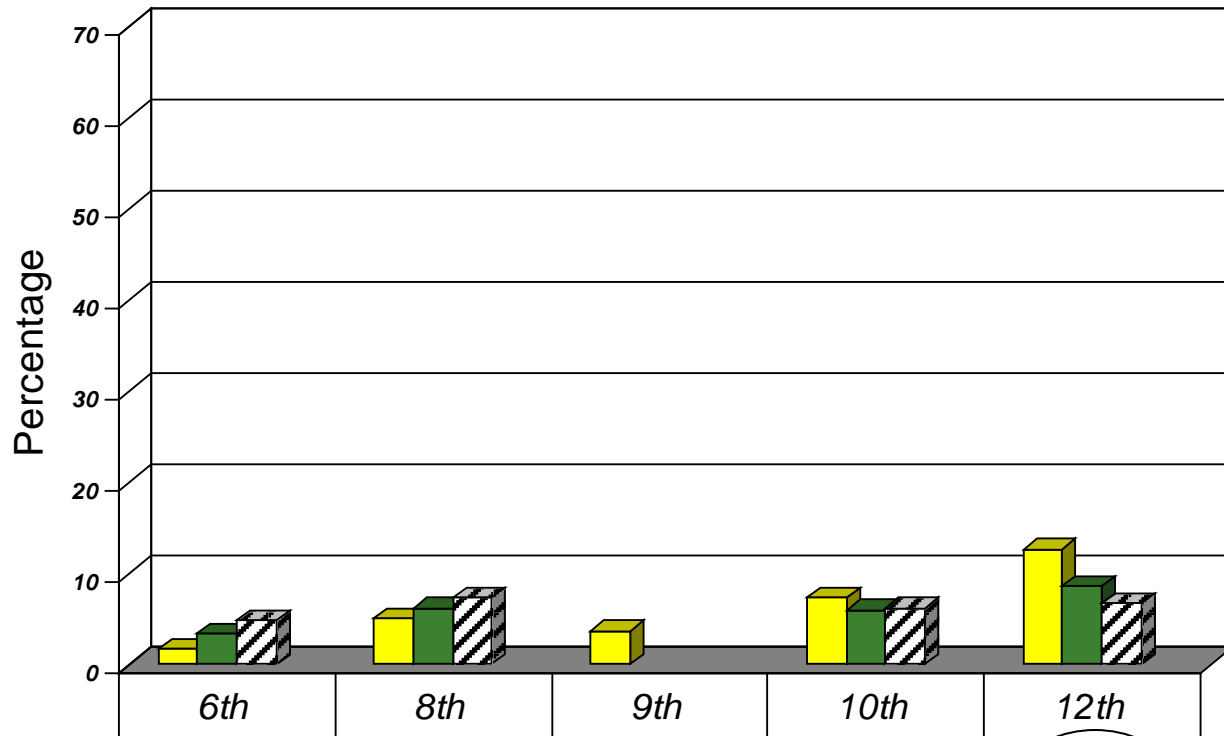
# T/E Community Trend – Inhalants Past 30-Day Use



|                        | 6th | 8th | 10th | 12th |
|------------------------|-----|-----|------|------|
| ■ T/E Community - 2003 | 1.2 | 2.1 | 4.5  | 6.2  |
| □ T/E Community - 2005 | 1.7 | 1.7 | 3.7  | 5.9  |
| ▨ T/E Community - 2007 | 0.5 | 2.0 | 1.4  | 6.6  |
| ■ T/E Community - 2009 | 3.3 | 4.7 | 3.1  | 3.6  |
| ▩ T/E Community - 2011 | 1.1 | 4.6 | 3.8  | 3.8  |

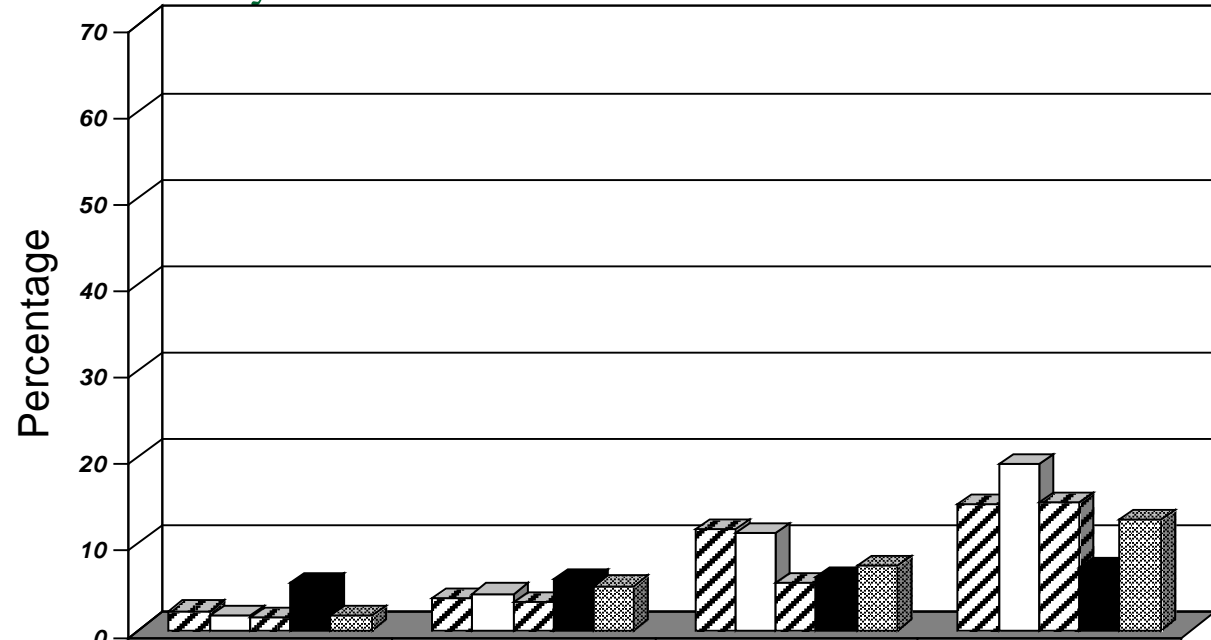
# Any Illicit Drug (Other Than Marijuana) – Past 30-Day Use – 2011

(One or more of the following: inhalants, cocaine, crack cocaine, heroin, hallucinogens, methamphetamine, ecstasy and steroids)



|                  |         |         |         |         |         |
|------------------|---------|---------|---------|---------|---------|
| ■ T/E Community  | 1.7     | 5.1     | 3.7     | 7.4     | 12.7    |
| ■ Chester County | 3.4     | 6.2     | No Data | 6.0     | 8.6     |
| ▨ PA - State     | 4.9     | 7.3     | No Data | 6.2     | 6.8     |
| ▩ MTF - National | No Data | No Data | No Data | No Data | No Data |

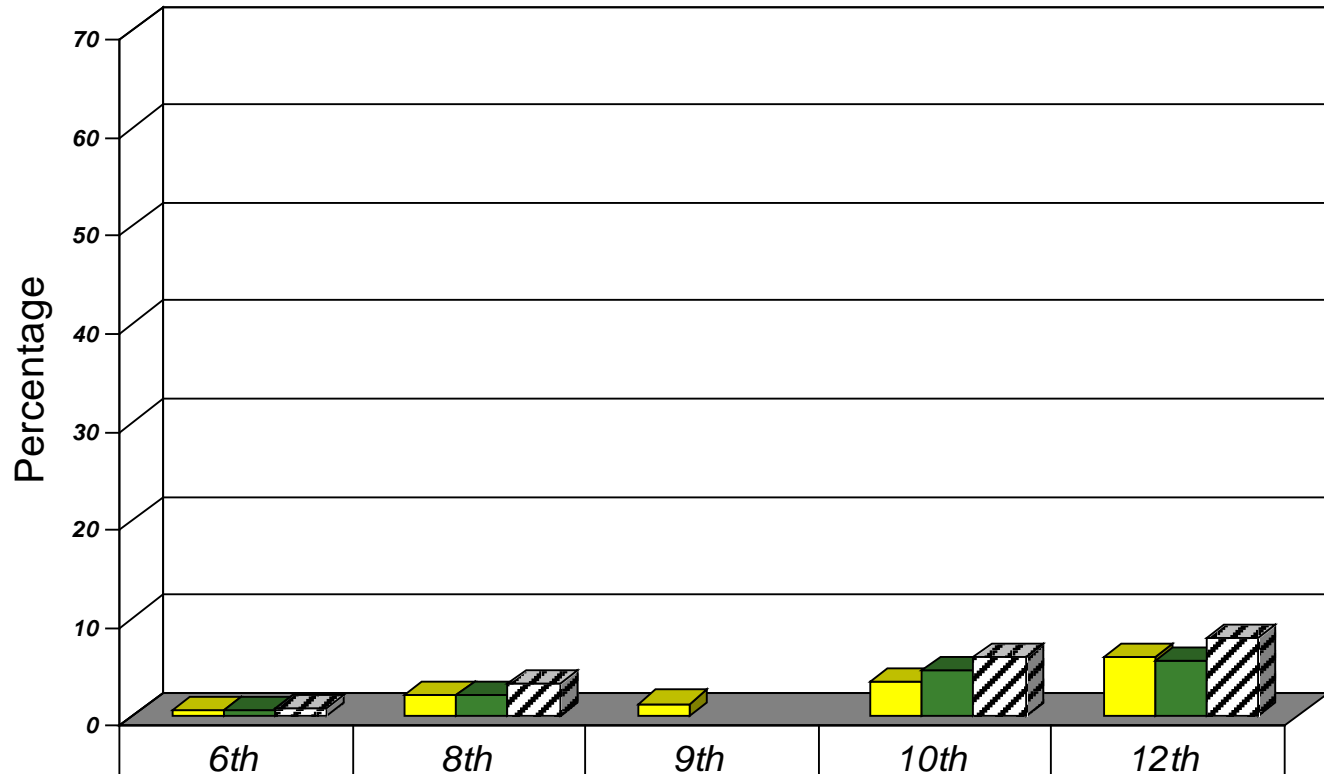
# T/E Community Trend – Any Illicit Drug (Other Than Marijuana) Past 30-Day Use



|                        | 6th | 8th | 10th | 12th   |
|------------------------|-----|-----|------|--------|
| ▨ T/E Community - 2003 | 2.2 | 3.6 | 11.6 | 14.5   |
| □ T/E Community - 2005 | 1.7 | 4.2 | 11.1 | 19.2   |
| ▨ T/E Community - 2007 | 1.4 | 3.2 | 5.4  | 14.7   |
| ■ T/E Community - 2009 | 5.4 | 5.8 | 6.1  | 7.2    |
| ▨ T/E Community - 2011 | 1.7 | 5.1 | 7.4  | 12.7 ☆ |

# Non-Medical Prescription Drug Use – Pain Relievers

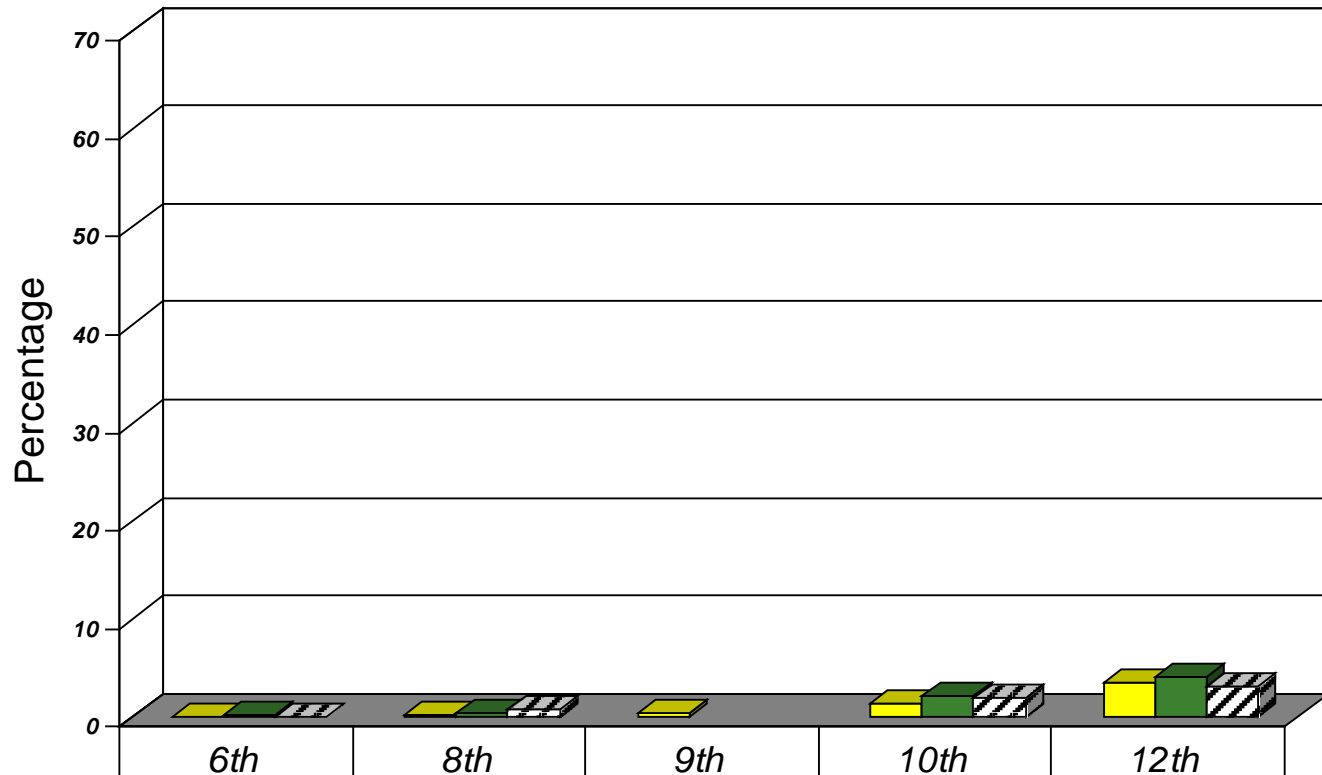
## Past 30-Day Use – 2011 (Vicodin, OxyContin, Tylox)



|                  | 6th | 8th | 9th     | 10th | 12th |
|------------------|-----|-----|---------|------|------|
| ■ T/E Community  | 0.6 | 2.2 | 1.3     | 3.6  | 6.1  |
| ■ Chester County | 0.6 | 2.1 | No Data | 4.6  | 5.6  |
| ▨ PA - State     | 0.8 | 3.3 | No Data | 6.0  | 7.9  |

# Non-Medical Prescription Drug Use – Tranquilizers

## Past 30-Day Use – 2011 (Xanax, Valium, Ambien)

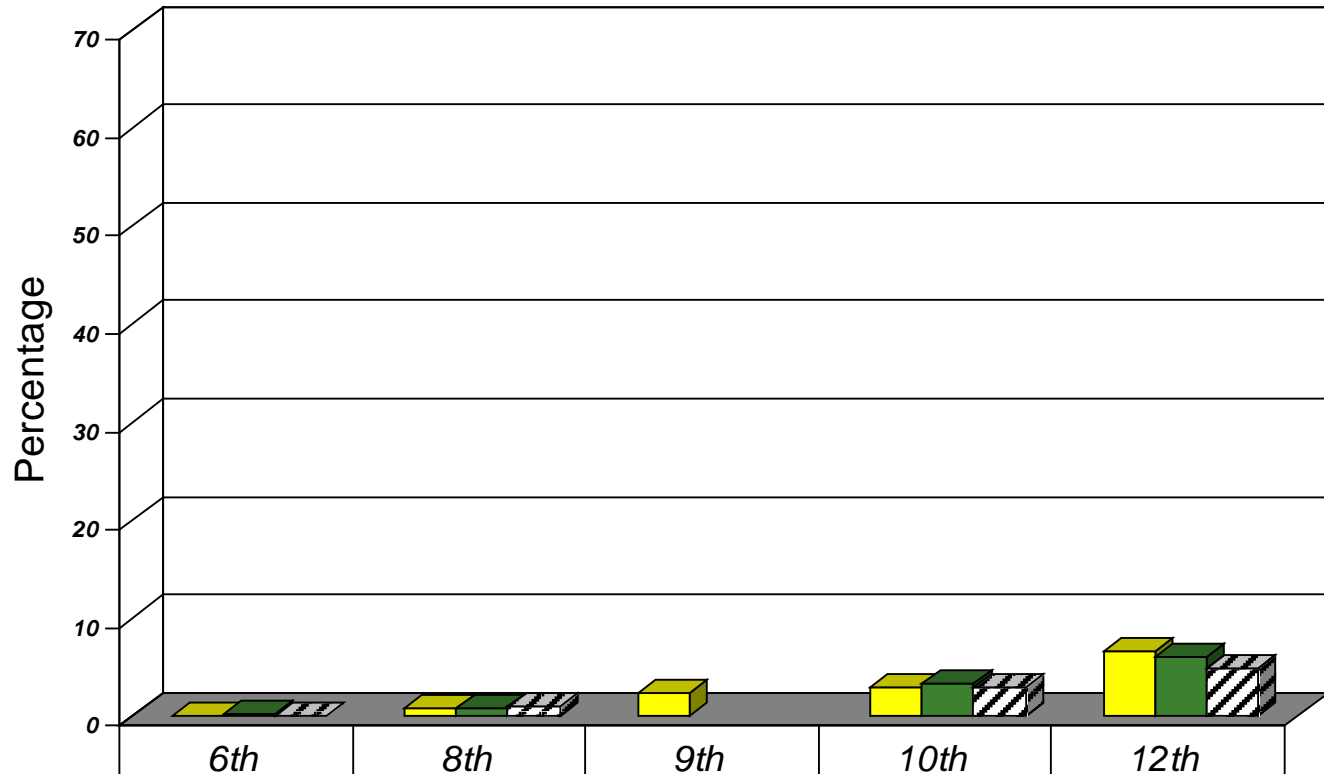


|                  | 6th | 8th | 9th     | 10th | 12th |
|------------------|-----|-----|---------|------|------|
| ■ T/E Community  | 0.0 | 0.3 | 0.5     | 1.4  | 3.5  |
| ■ Chester County | 0.2 | 0.5 | No Data | 2.2  | 4.1  |
| ▨ PA - State     | 0.1 | 0.9 | No Data | 2.0  | 3.2  |



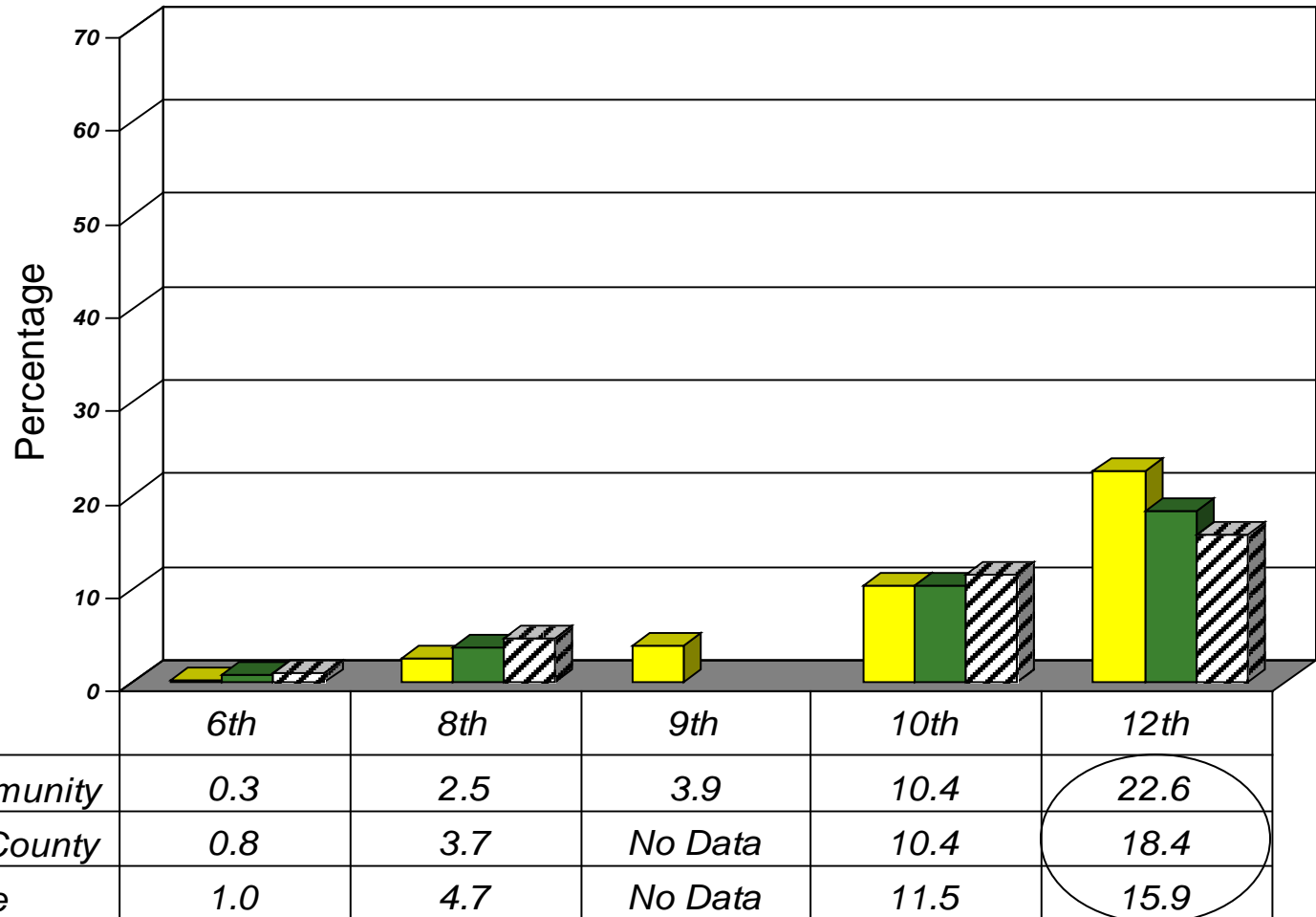
# Non-Medical Prescription Drug Use – Stimulants

## Past 30-Day Use – 2011 (Ritalin, Adderall)

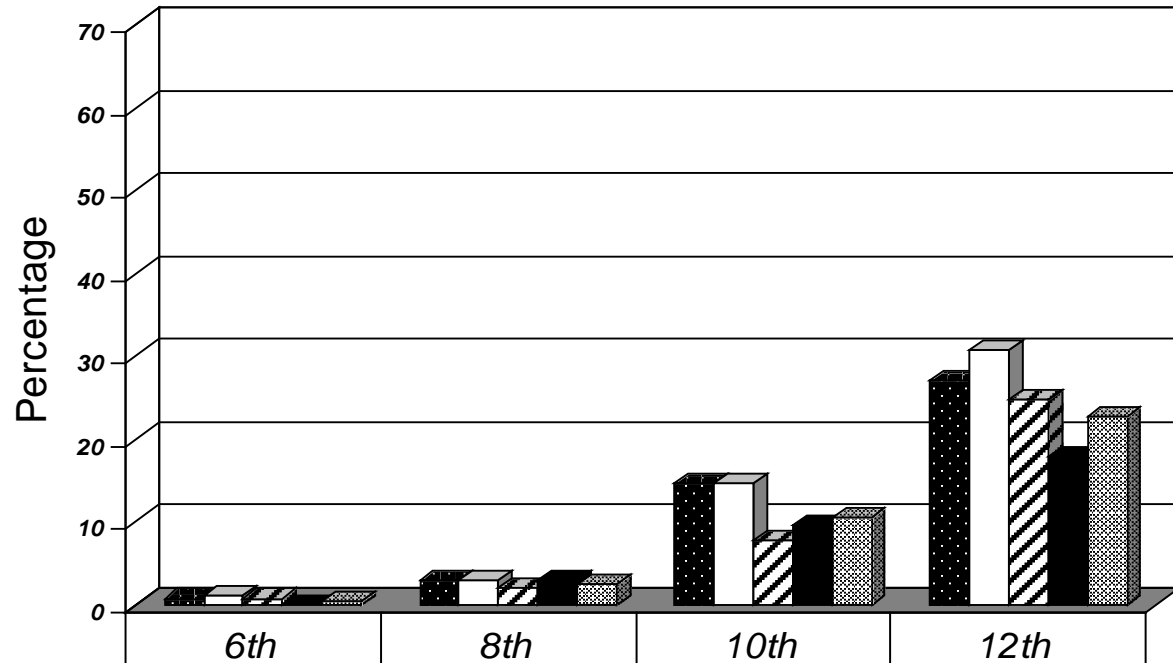


|                  |     |     |         |     |     |
|------------------|-----|-----|---------|-----|-----|
| ■ T/E Community  | 0.0 | 0.8 | 2.4     | 3.0 | 6.7 |
| ■ Chester County | 0.2 | 0.9 | No Data | 3.3 | 6.0 |
| ▨ PA - State     | 0.1 | 1.1 | No Data | 2.9 | 4.9 |

# Being Drunk or High at School (Past 12 Months) – 2011



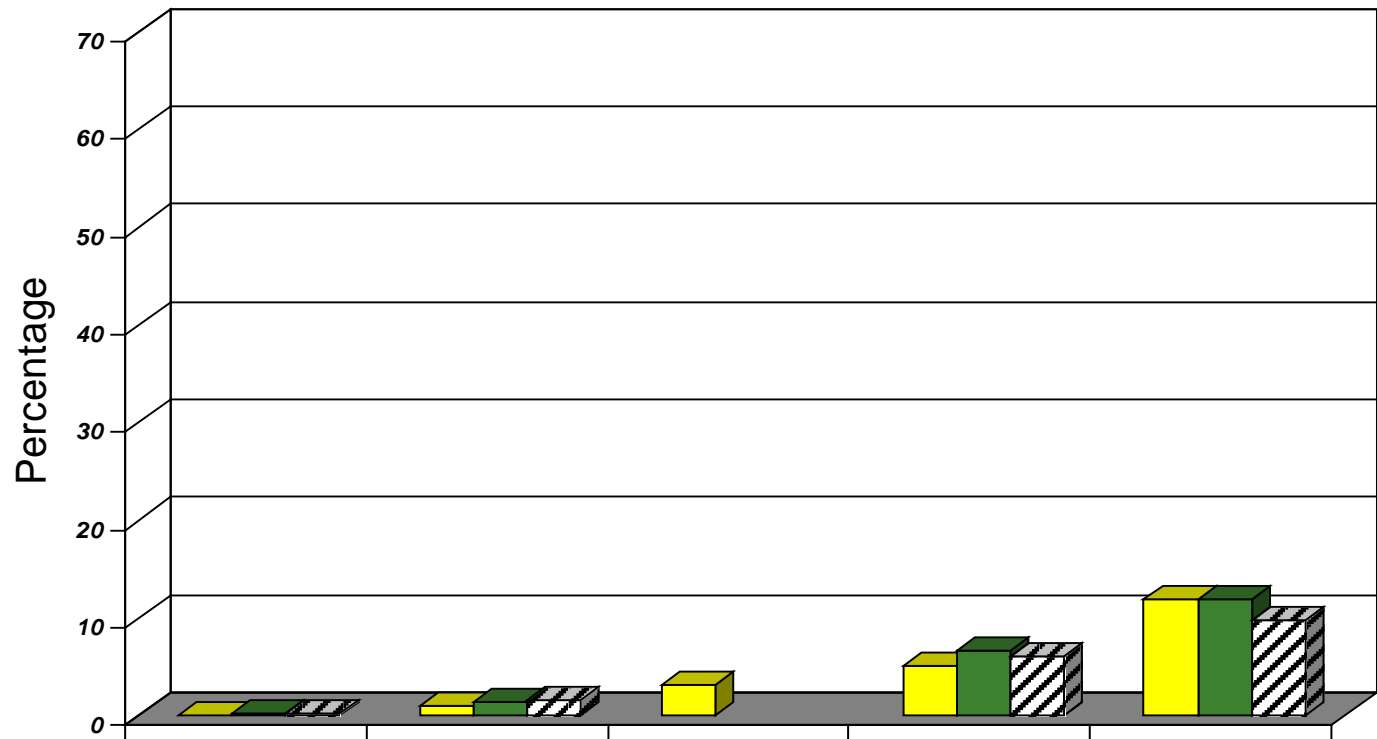
# T/E Community Trend – Being Drunk or High at School (Past 12 Months)






|                        | 6th | 8th | 10th | 12th |
|------------------------|-----|-----|------|------|
| ■ T/E Community - 2003 | 0.7 | 2.8 | 14.7 | 27.1 |
| □ T/E Community - 2005 | 1.0 | 2.9 | 14.6 | 30.8 |
| ▨ T/E Community - 2007 | 0.7 | 2.0 | 7.7  | 24.8 |
| ■ T/E Community - 2009 | 0.0 | 2.9 | 9.6  | 17.9 |
| ▩ T/E Community - 2011 | 0.3 | 2.5 | 10.4 | 22.6 |

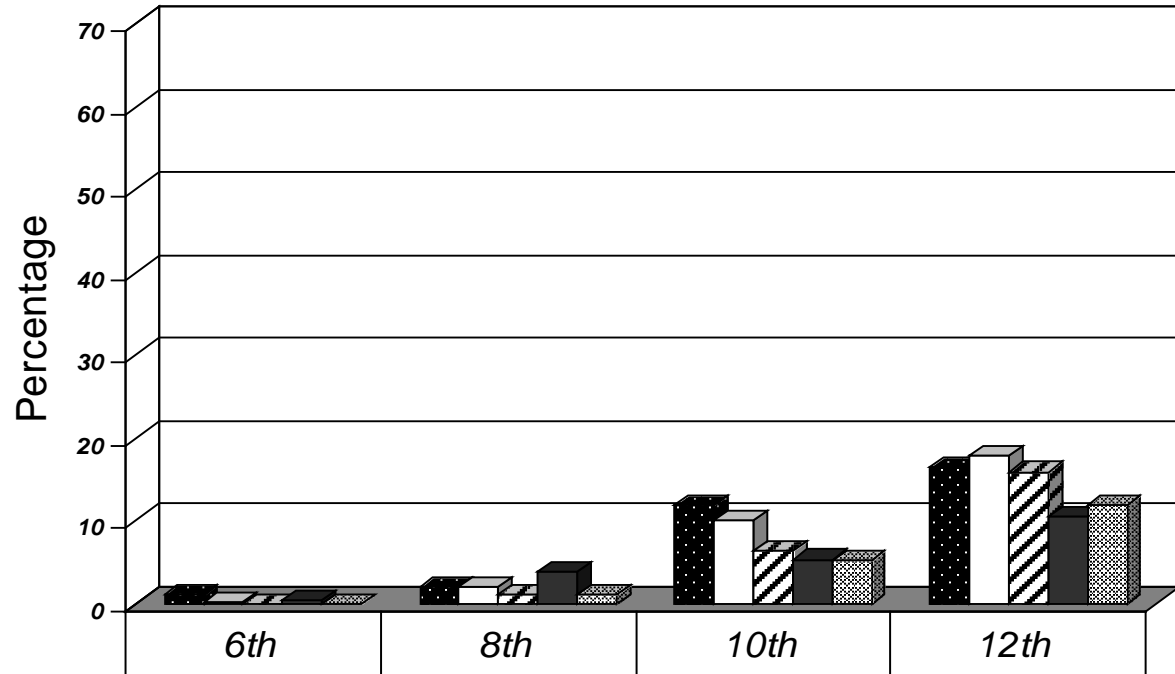


# Selling Drugs (Past 12 Months) – 2011



|  | 6th | 8th | 9th     | 10th | 12th |
|--|-----|-----|---------|------|------|
|  T/E Community  | 0.0 | 1.1 | 3.2     | 5.2  | 11.9 |
|  Chester County | 0.2 | 1.4 | No Data | 6.6  | 12.0 |
|  PA - State     | 0.3 | 1.7 | No Data | 6.1  | 9.8  |

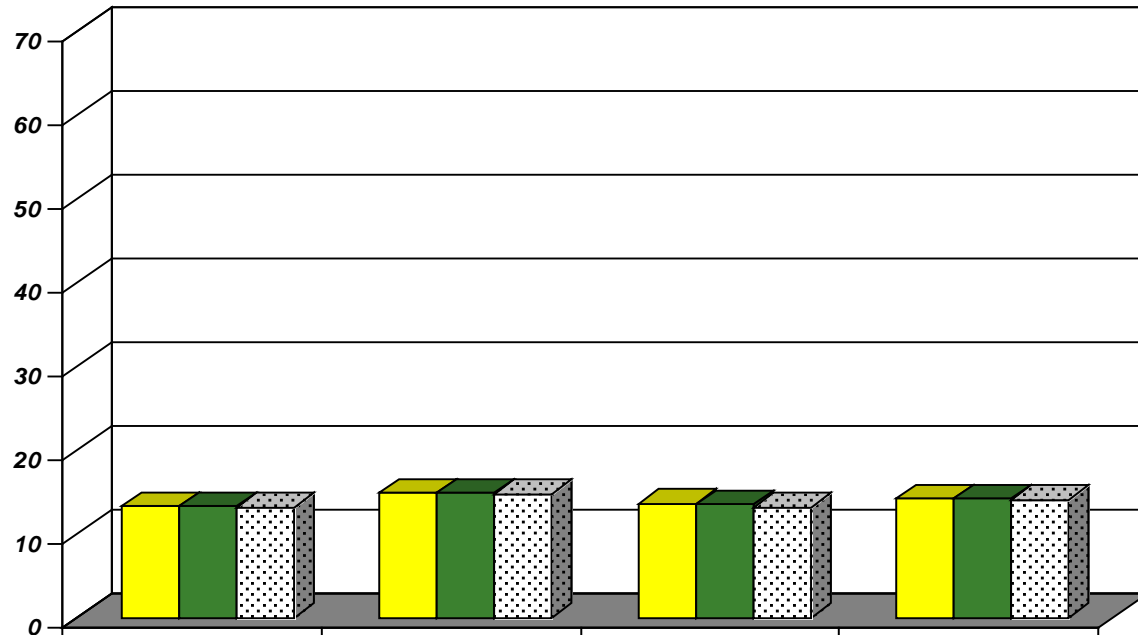
# T/E Community Trend – Selling Drugs (Past 12 Months)



|                        | 6th | 8th | 10th | 12th |
|------------------------|-----|-----|------|------|
| ■ T/E Community - 2003 | 1.0 | 1.9 | 11.9 | 16.4 |
| □ T/E Community - 2005 | 0.2 | 2.0 | 10   | 17.8 |
| ▨ T/E Community - 2007 | 0.0 | 1.0 | 6.3  | 15.9 |
| ■ T/E Community - 2009 | 0.4 | 3.8 | 5.3  | 10.4 |
| ▤ T/E Community - 2011 | 0.0 | 1.1 | 5.2  | 11.9 |



# Average Age of Onset of ATOD Use – 2011

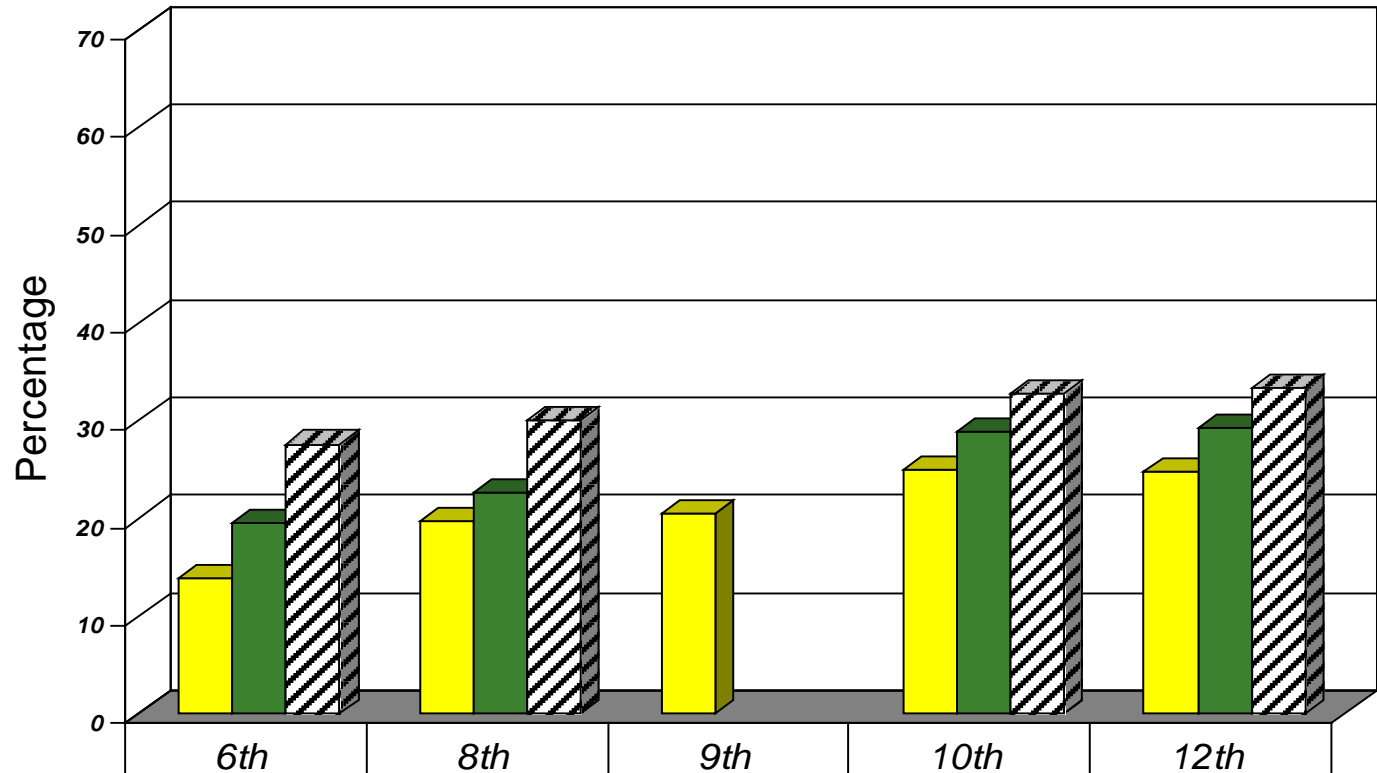


|                         | <i>Trying Alcohol</i> | <i>Drinking Alcohol Regularly</i> | <i>Smoking Cigarettes</i> | <i>Smoking Marijuana</i> |
|-------------------------|-----------------------|-----------------------------------|---------------------------|--------------------------|
| ■ <i>T/E Community</i>  | 13.3                  | 14.9                              | 13.7                      | 14.2                     |
| ■ <i>Chester County</i> | 13.3                  | 14.9                              | 13.5                      | 14.2                     |
| ▨ <i>PA - State</i>     | 13.2                  | 14.8                              | 13.2                      | 14.1                     |

## Percentage of Youth in TESD Reporting Willingness to Try Selected ATODs – 2011

|           | 6 <sup>th</sup> | 7 <sup>th</sup> | 8 <sup>th</sup> | 9 <sup>th</sup> | 10 <sup>th</sup> | 11 <sup>th</sup> | 12 <sup>th</sup> |
|-----------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
|           | %               | %               | %               | %               | %                | %                | %                |
| Alcohol   | 13.6            | --              | 29.7            | 49.7            | 59.6             | --               | 78.1             |
| Marijuana | 0.3             | --              | 10.9            | 22.9            | 35.3             | --               | 53.4             |
| Inhalants | 0.0             | --              | 2.5             | 1.8             | 3.6              | --               | 4.9              |

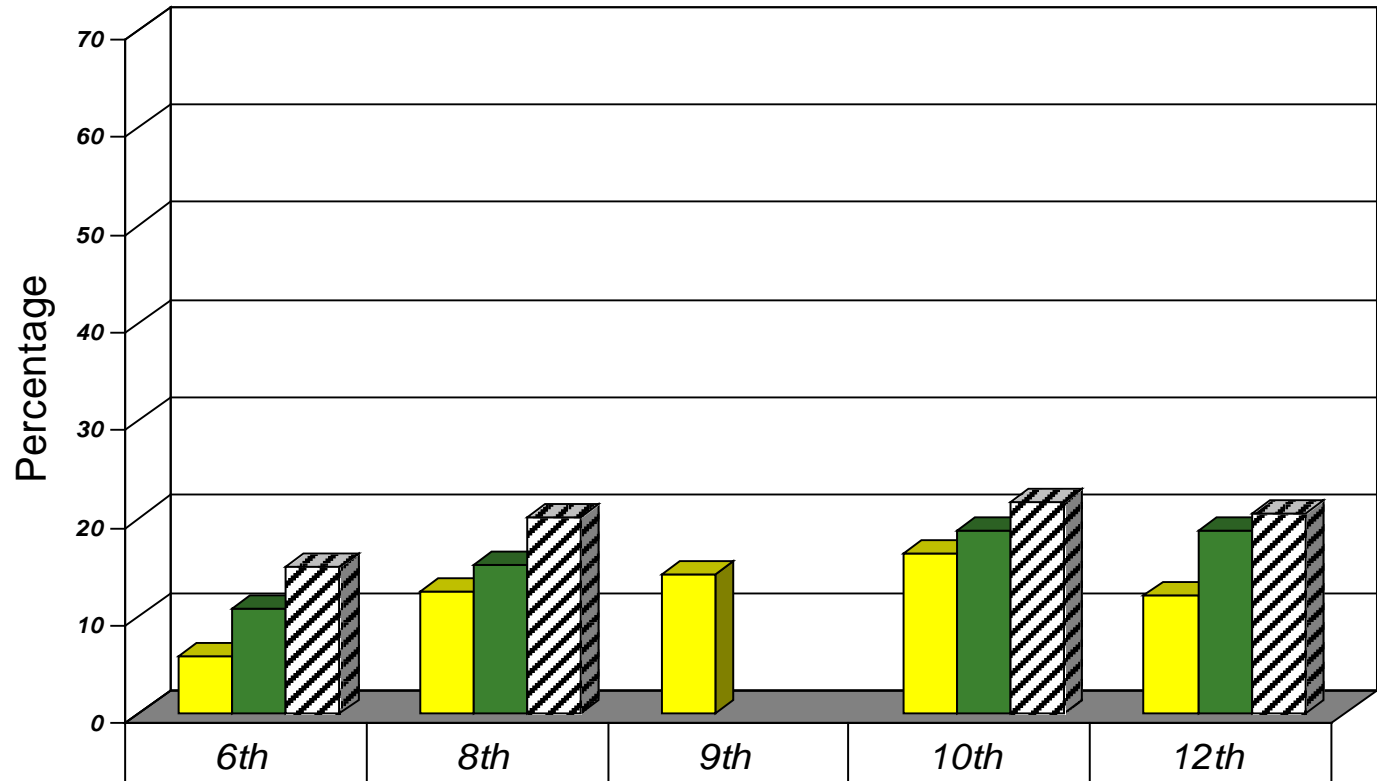
# Depression Questions: “In the past year, felt depressed or sad most days” – 2011



|                  |      |      |         |      |      |
|------------------|------|------|---------|------|------|
| ■ T/E Community  | 13.8 | 19.7 | 20.5    | 25.0 | 24.8 |
| ■ Chester County | 19.5 | 22.7 | No Data | 28.8 | 29.2 |
| ▨ PA - State     | 27.6 | 30.1 | No Data | 32.8 | 33.4 |

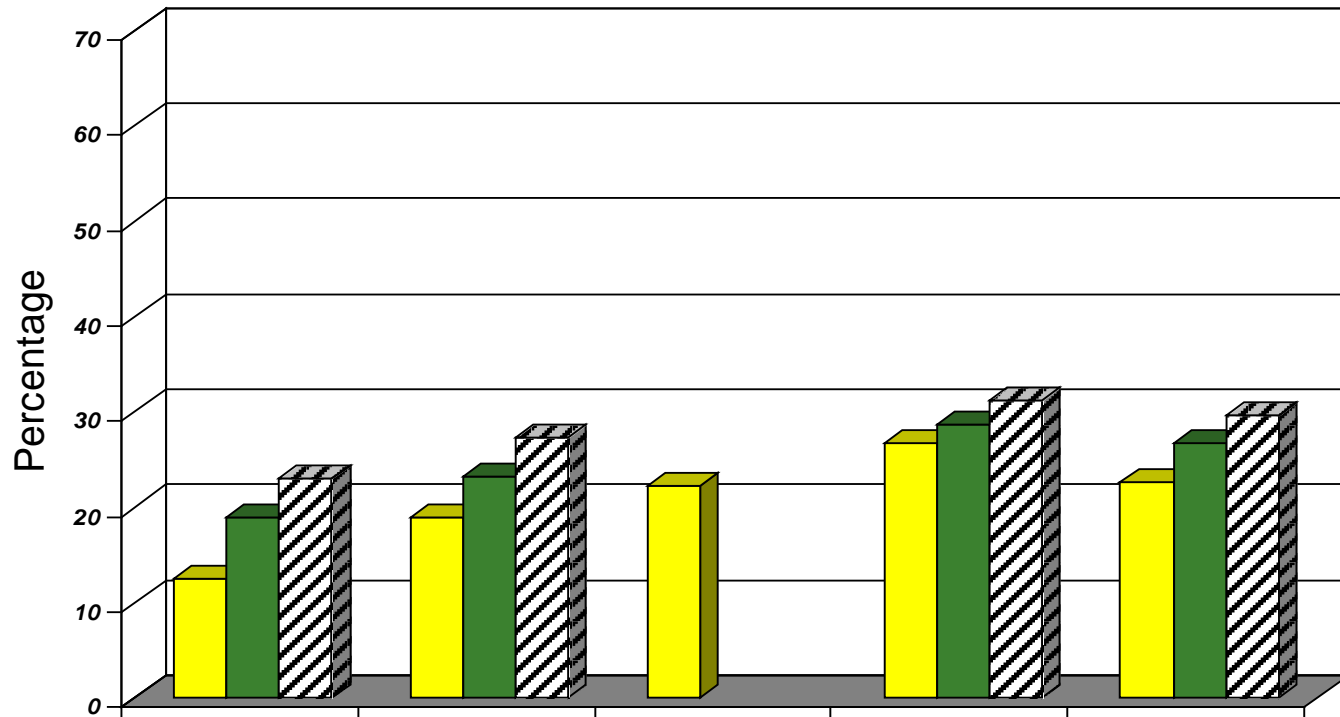


# Depression Questions: “Sometimes I think that life is not worth it” – 2011



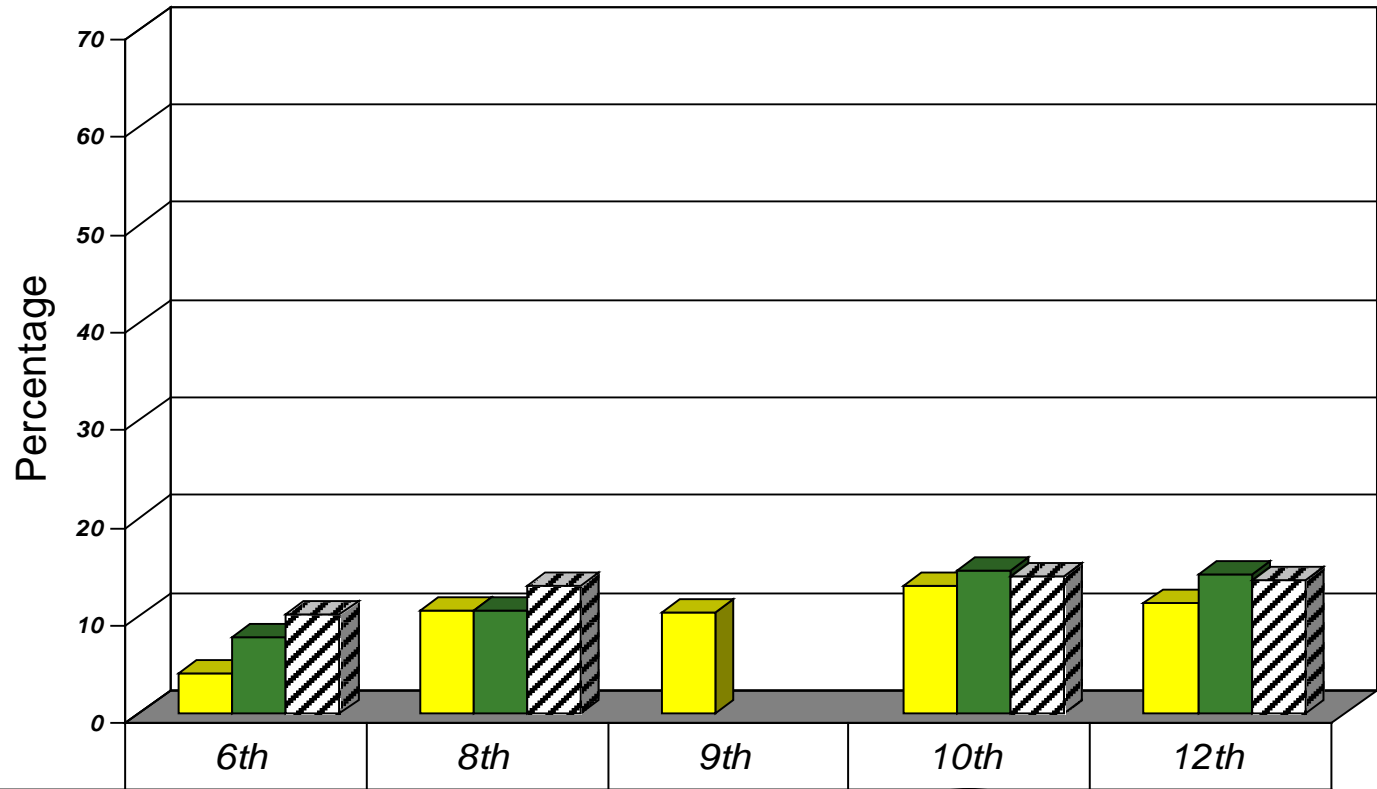
|                  |      |      |         |      |      |
|------------------|------|------|---------|------|------|
| ■ T/E Community  | 5.8  | 12.6 | 14.2    | 16.4 | 12.1 |
| ■ Chester County | 10.7 | 15.3 | No Data | 18.7 | 18.8 |
| ▨ PA - State     | 15.0 | 20.2 | No Data | 21.7 | 20.4 |

# Depression Questions: “At times I think I am no good at all” – 2011



|                  | 6th  | 8th  | 9th     | 10th | 12th |
|------------------|------|------|---------|------|------|
| ■ T/E Community  | 12.6 | 19.0 | 22.2    | 26.8 | 22.6 |
| ■ Chester County | 18.9 | 23.2 | No Data | 28.6 | 26.8 |
| ▨ PA - State     | 23.0 | 27.3 | No Data | 31.2 | 29.6 |

# Depression Questions: “All in all, I am inclined to think that I am a failure” – 2011



|                  |      |      |         |      |      |
|------------------|------|------|---------|------|------|
| ■ T/E Community  | 4.2  | 10.6 | 10.4    | 13.0 | 11.4 |
| ■ Chester County | 7.9  | 10.6 | No Data | 14.6 | 14.2 |
| ▨ PA - State     | 10.2 | 13.0 | No Data | 14.1 | 13.7 |

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# What are Risk Factors and Protective Factors?

## Protective Factors

- Those conditions that protect individuals from the negative consequences of exposure to risks by:
  - Reducing the impact of the risk
  - Changing the way a person responds to the risk

## Risk Factors

- Those conditions that increase the likelihood that an individual will engage in at-risk/problem behaviors

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# Facts about Risk and Protective Factors

- They exist in four domains:
  - Community
  - Family
  - School
  - Individual/Peer
- Risk and Protective factors exist within multiple domains
- Perceived risks can increase risk
- Risk and Protective factors are everyone's business

# Protective Factor Scale Scores\* – T/E 2011

| <b>PROTECTIVE FACTORS</b>                         | T/E<br>Overall<br>2011 |
|---|------------------------|
| <b><i>Community Domain</i></b>                    |                        |
| Community Opportunities for Prosocial Involvement | 46                     |
| Community Rewards for Prosocial Involvement       | 56                     |
| <b><i>Family Domain</i></b>                       |                        |
| Family Attachment                                 | 65                     |
| Family Opportunities for Prosocial Involvement    | 60                     |
| Family Rewards for Prosocial Involvement          | 62                     |
| <b><i>School Domain</i></b>                       |                        |
| School Opportunities for Prosocial Involvement    | 69                     |
| School Rewards for Prosocial Involvement          | 75                     |
| <b><i>Individual/Peer Domain</i></b>              |                        |
| Religiosity                                       | 47                     |
| Belief in the Moral Order                         | 70                     |

**\* Please Note: Higher Scores are Preferable**

# Risk Factor Scale Scores\* – T/E 2011

| RISK FACTORS  | T/E Overall 2011 |
|---|------------------|
| <b><i>Community Domain</i></b>                          |                  |
| Low Neighborhood Attachment                             | 33               |
| Community Disorganization                               | 50               |
| Transitions and Mobility                                | 42               |
| Laws and Norms Favorable to Drug Use                    | 35               |
| Perceived Availability of Drugs                         | 48               |
| Perceived Availability of Handguns                      | 35               |
| <b><i>Family Domain</i></b>                             |                  |
| Poor Family Management                                  | 38               |
| Family Conflict   | 45               |
| Family History of Antisocial Behavior                   | 31               |
| Parental Attitudes Favorable toward ATOD Use            | 43               |
| Parental Attitudes Favorable toward Antisocial Behavior | 47               |

| RISK FACTORS                                   | T/E Overall 2011 |
|--|------------------|
| <b><i>School Domain</i></b>                    |                  |
| Poor Academic Performance                      | 32               |
| Lack of Commitment to School                   | 35               |
| <b><i>Individual/Peer Domain</i></b>           |                  |
| Rebelliousness                                 | 29               |
| Friends' Delinquent Behavior                   | 35               |
| Friends' Use of Drugs                          | 36               |
| Peer Rewards for Antisocial Behavior           | 46               |
| Favorable Attitudes toward Antisocial Behavior | 39               |
| Favorable Attitudes toward ATOD Use            | 44               |
| Low Perceived Risks of Drug Use                | 46               |
| Early Initiation of Drug Use                   | 30               |
| Sensation Seeking                              | 36               |

\* Please Note: Lower Scores are Preferable

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# Strengths to Build On

- 93% of 8<sup>th</sup> graders had not used alcohol in the past 30 days
- 65% of 10<sup>th</sup> graders had not used alcohol in the past 30 days
- 98% of 8<sup>th</sup> graders had not used marijuana in the past 30 days
- 80% of 10<sup>th</sup> graders had not used marijuana in the past 30 days
- All but one overall protective factor scores over 50 and all overall risk factor scores are 50 or under
- Highest overall scores in the following protective factor scales: School Rewards for Prosocial Involvement (75), Belief in the Moral Order (70), and School Opportunities for Prosocial Involvement (69)



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# Opportunities for Improvement

- 12th grade “Past 30-Day Alcohol Use” and “Binge Drinking” rates
- 12<sup>th</sup> grade “Past 30-Day Marijuana Use”
- 10<sup>th</sup> grade Depression Questions
- Lowest overall score for the protective factor scales: Religiosity (47)
- Highest overall score for the risk factor scales: Community Disorganization (50) and Perceived Availability of Drugs (48)

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# What can I do?

- Increase the level of “protective factors” in your child’s life
- Focus on your sphere of influence in your child’s life (especially within the family domain)
- Exercise your positive power as a parent