

Improving the Nation's Vision Health

A Coordinated Public Health Approach



Vision Impairment and Multiple Chronic Conditions in the U.S

*for
Prevent Blindness
2014 Focus on Eye Health Summit*

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Vision Health Initiative

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Outline

- ❑ **Prevalence of Vision Impairment and Comorbid Conditions**
- ❑ **Effects of Vision Impairment & Comorbid Conditions**

Vision impairment is associated with:

- Increasing age
- Being female
- Being Hispanic or African American

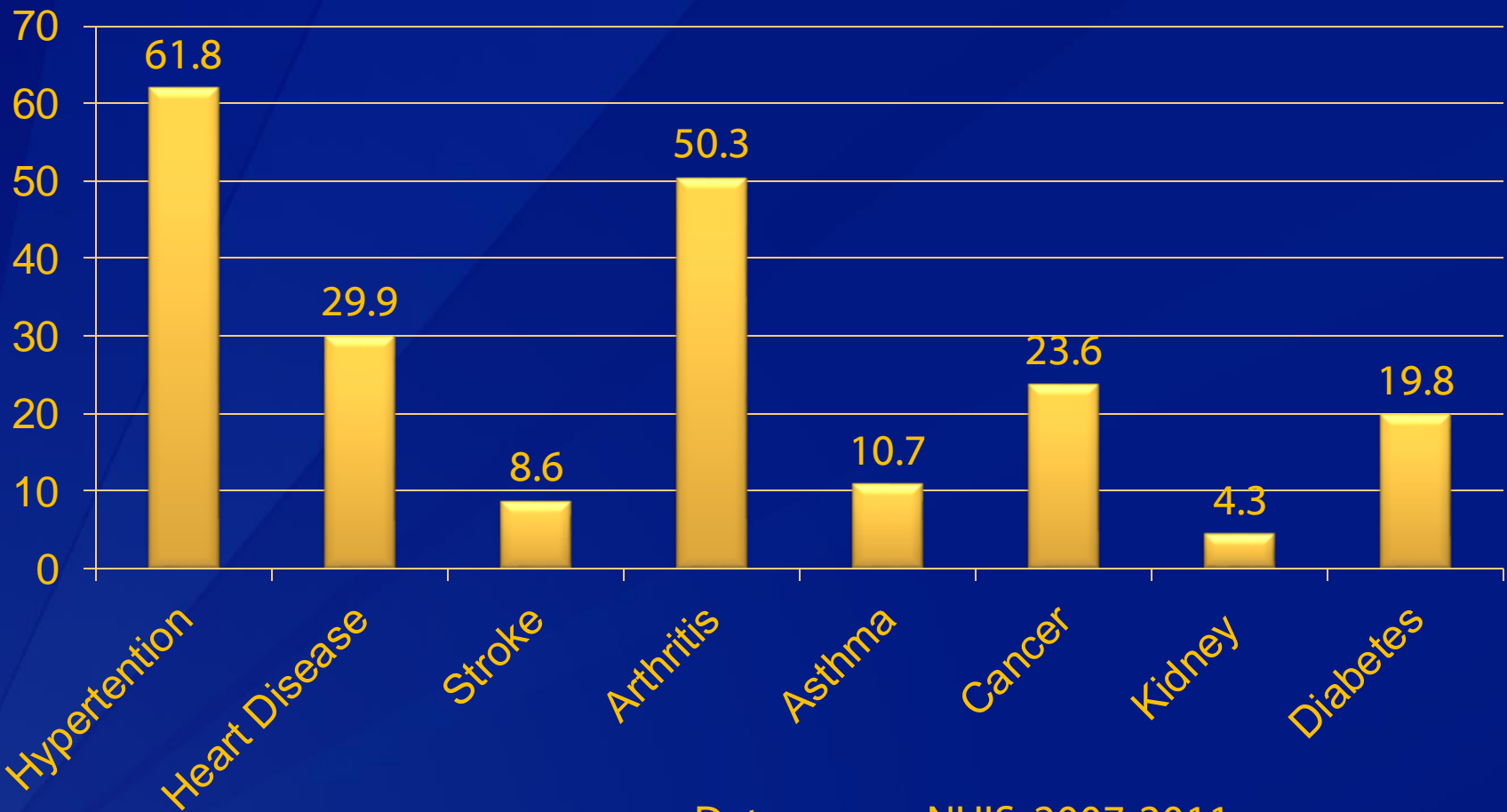
Magnitude of the Problem

- Population is big
- Getting bigger
- Affects more vulnerable groups
- Costs are high

Chronic Conditions

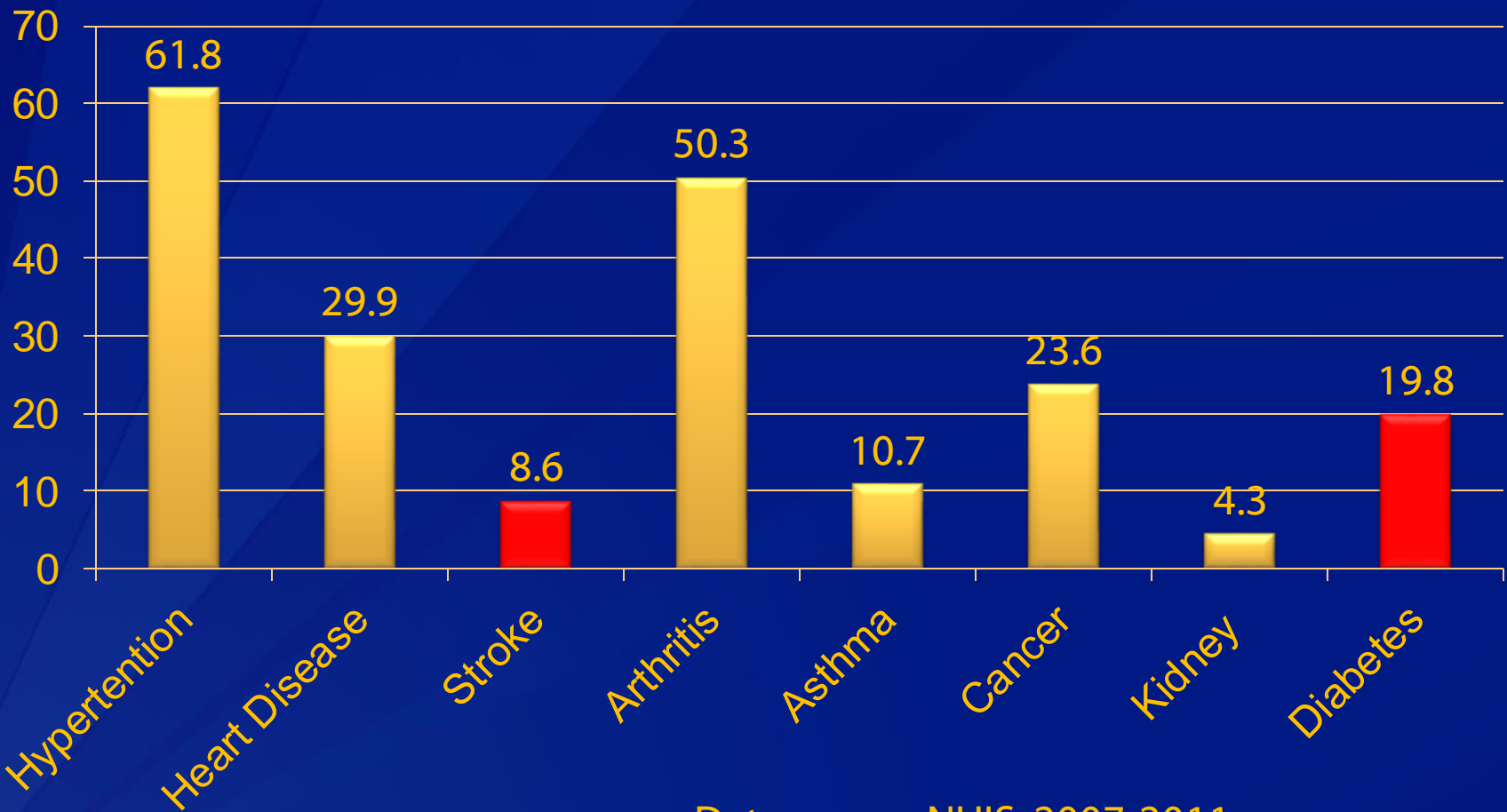
- ❑ **Common among older people.**

Prevalence of eight chronic conditions among people aged ≥ 65 years



Data source: NHIS, 2007-2011

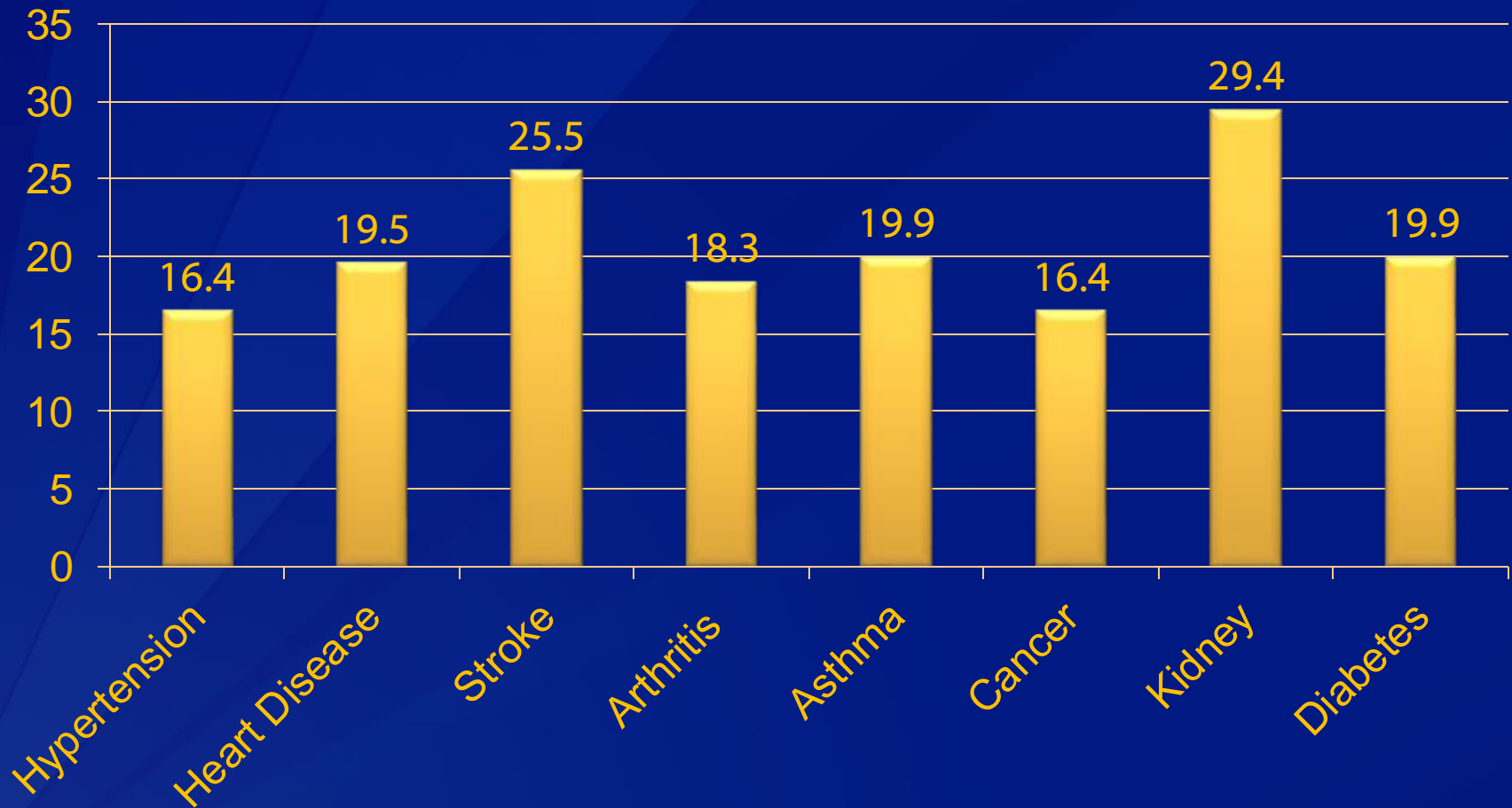
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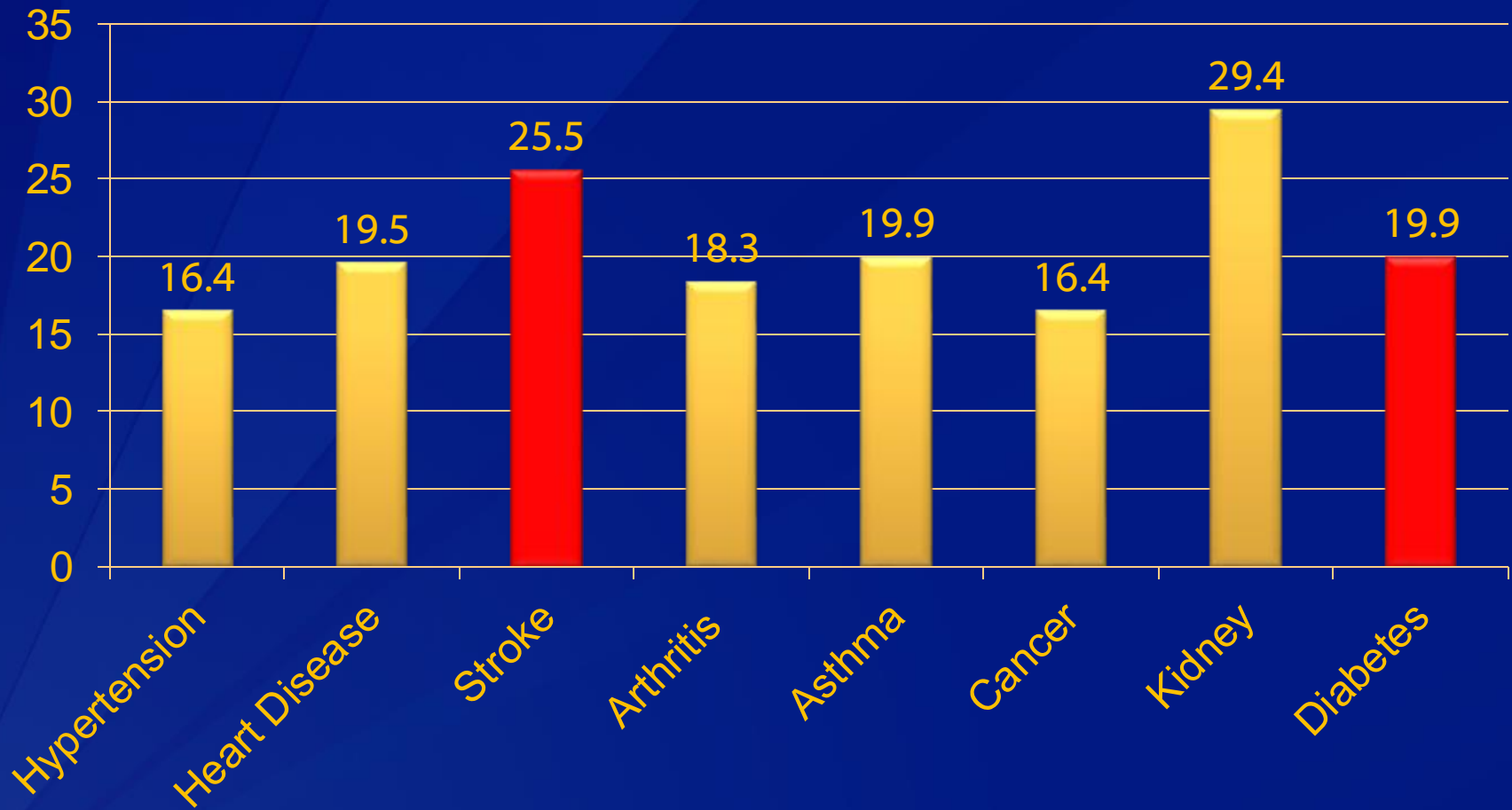
- What is the prevalence of vision impairment among people with chronic diseases?

Percent of people with chronic conditions reporting vision impairment



Data source: 2007-2011 NHIS

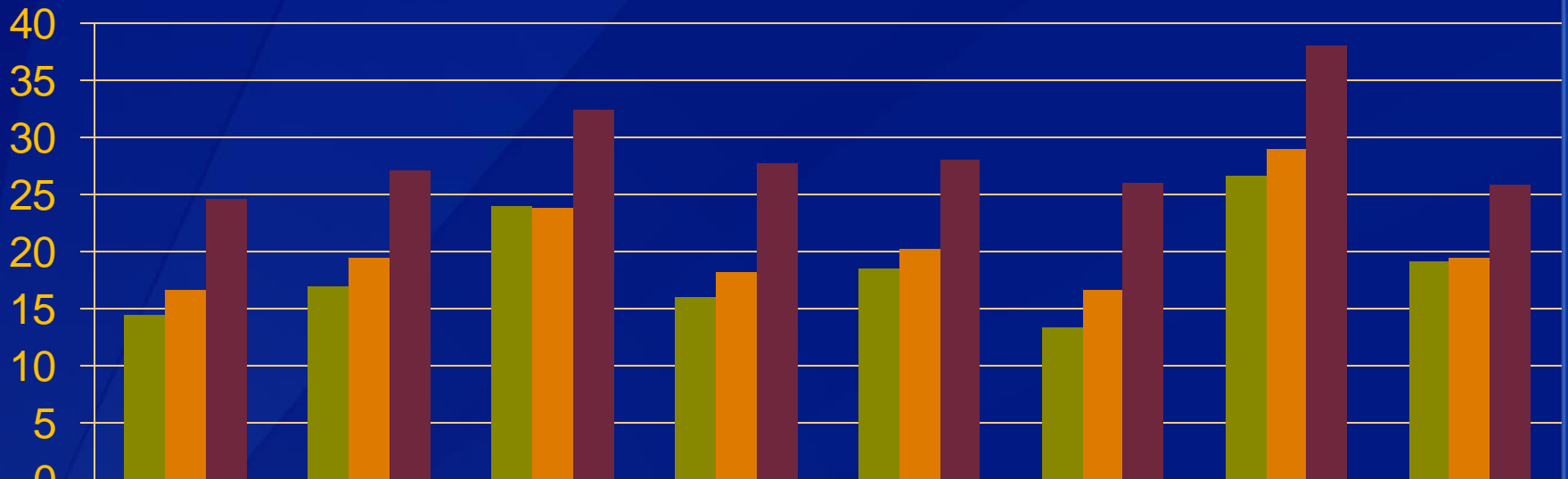
Percent of people with chronic conditions reporting vision impairment



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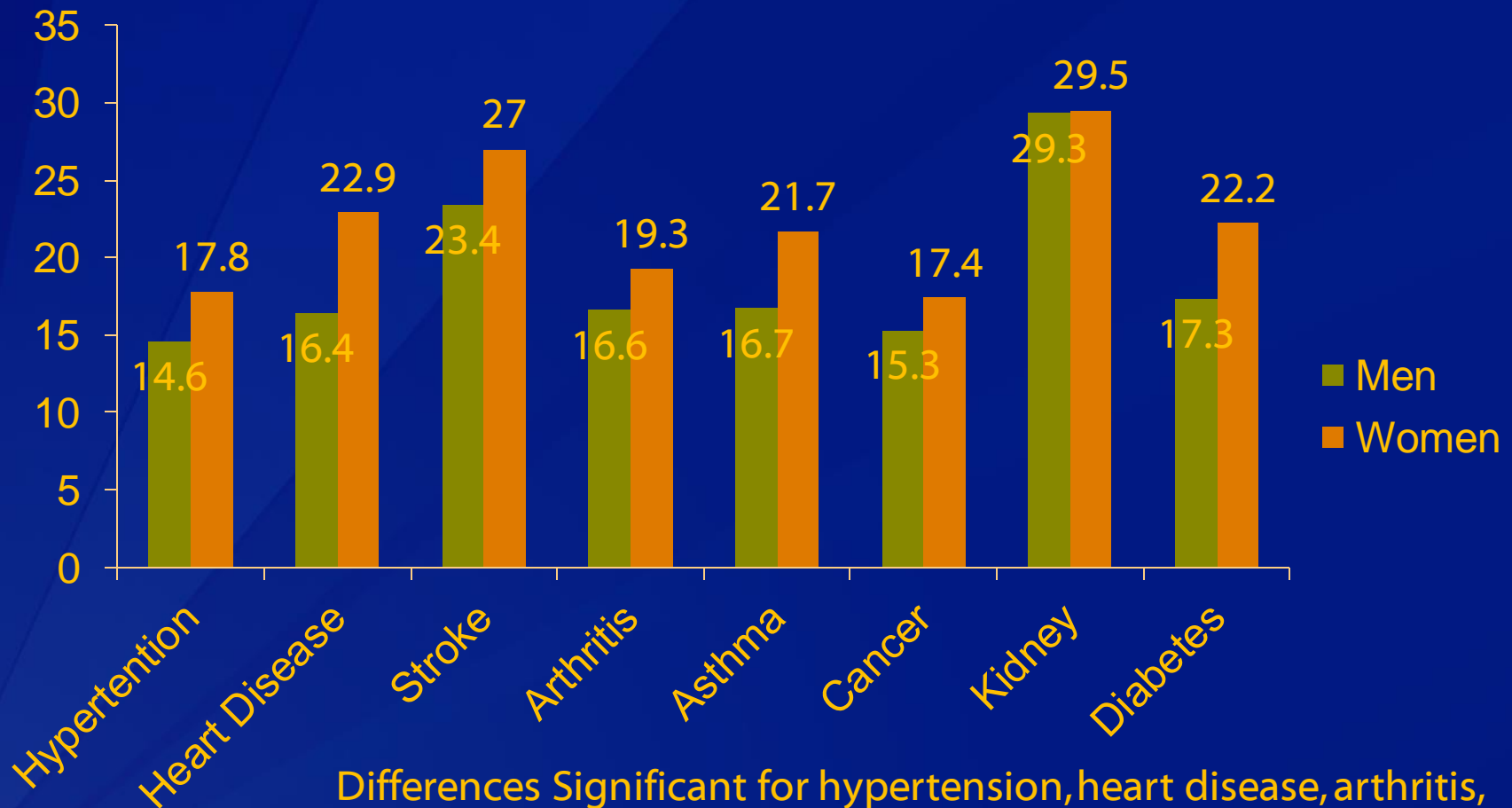
Prevalence of vision impairment among people w/ chronic conditions by age group

■ 65-74 ■ 75-85 ■ 85+



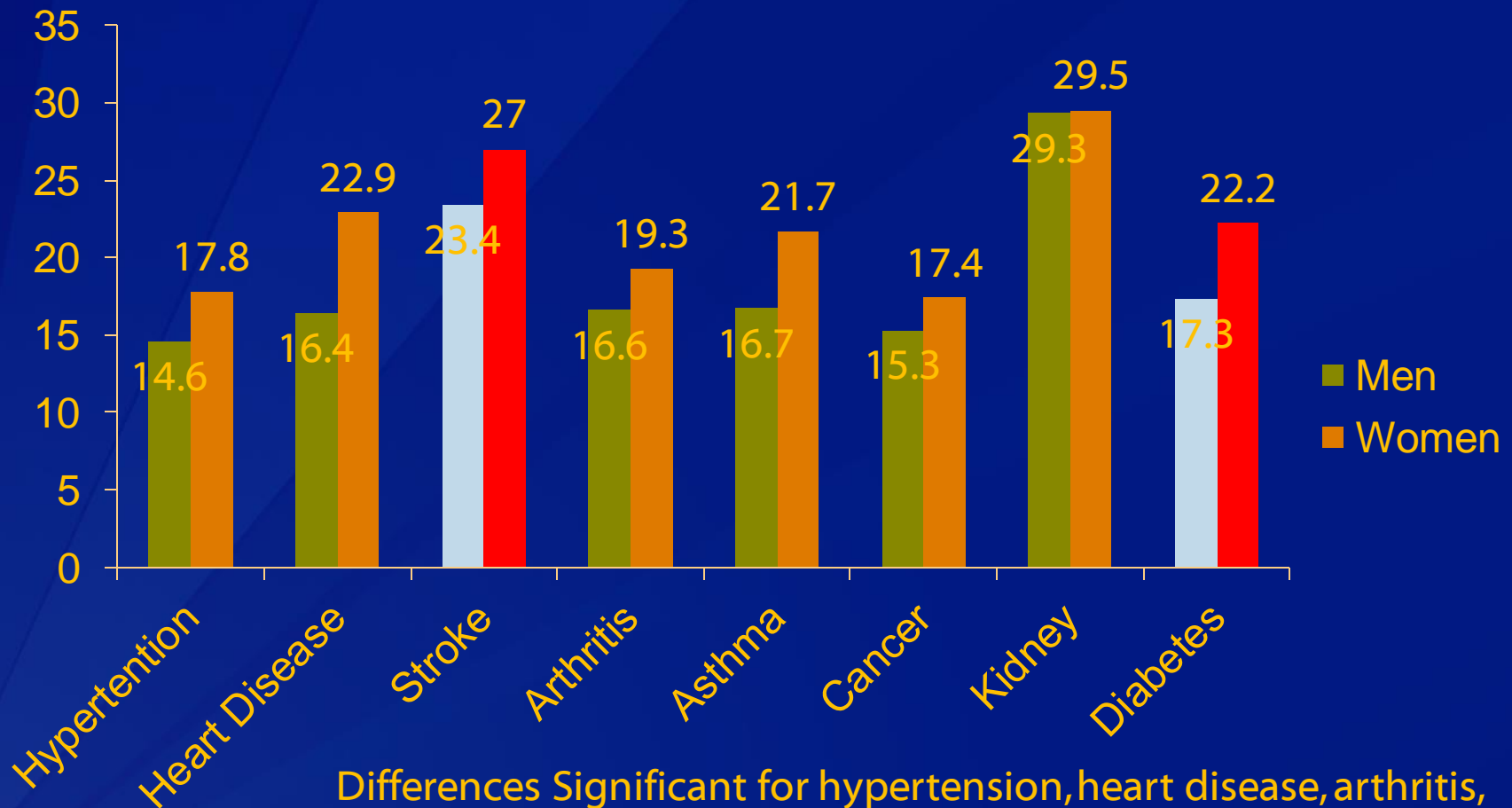
	Hypertension	Heart Disease	Stroke	Arthritis	Asthma	Cancer	Kidney	Diabetes
65-74	14.4	17	24	16	18.6	13.4	26.7	19.2
75-85	16.7	19.4	23.9	18.2	20.2	16.7	29	19.5
85+	24.6	27.1	32.4	27.7	28	26	38	25.8

Percent of men & women with chronic conditions reporting vision impairment



Differences Significant for hypertension, heart disease, arthritis, asthma, & diabetes. Data source: 2007-2011 HNIS

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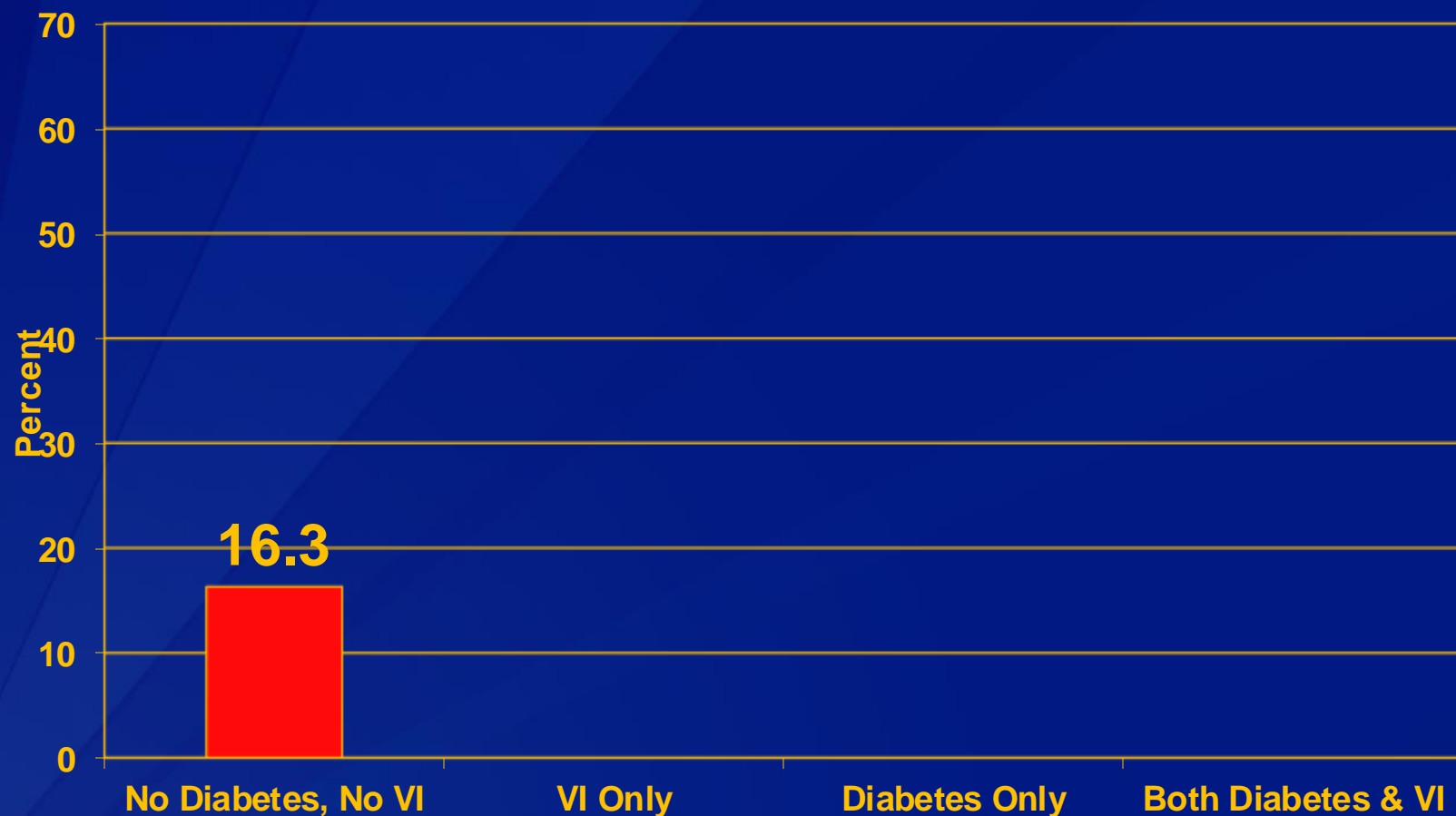
So ...

- What are the effects of comorbid conditions among people with vision impairment?

- Multiple chronic conditions have propelling negative effect.

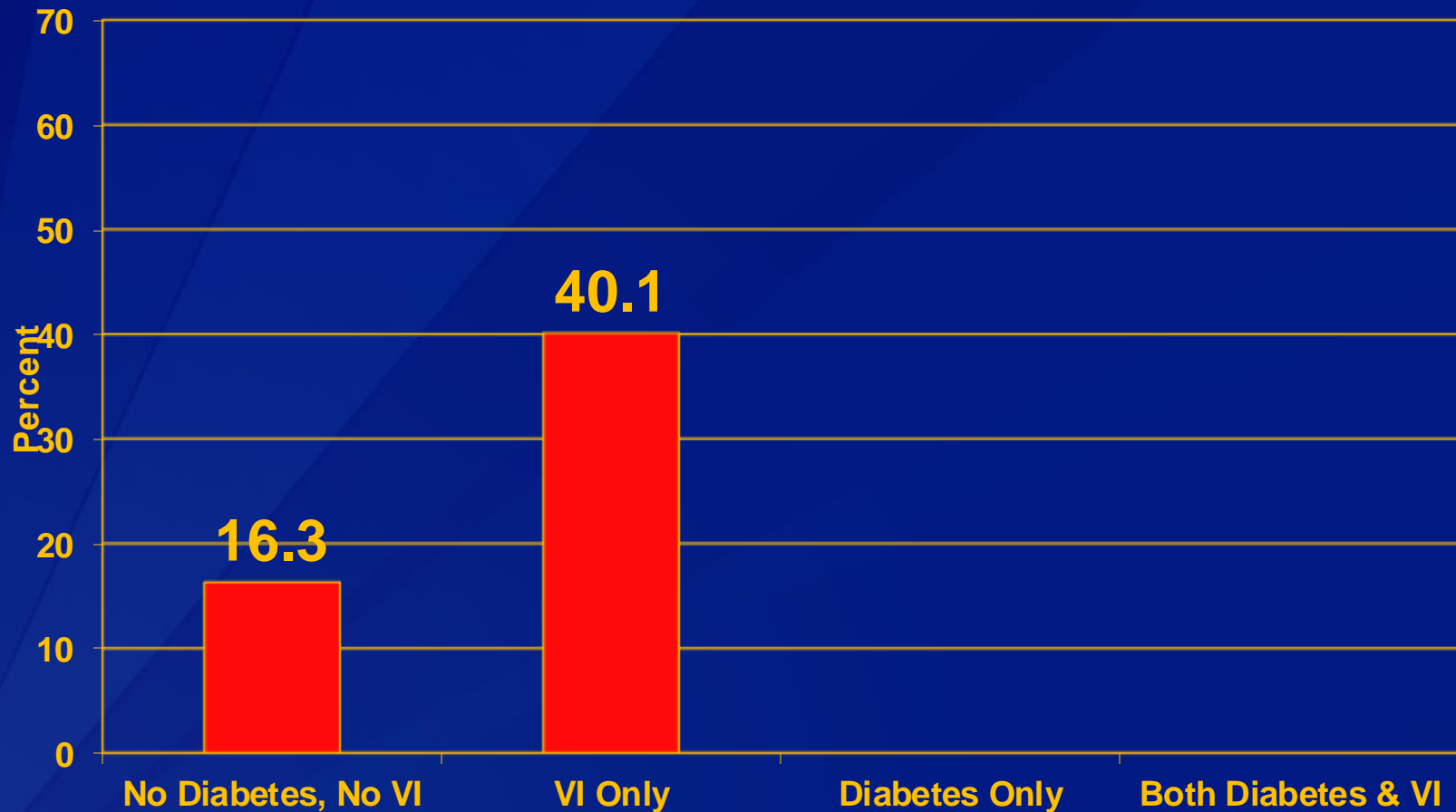
- Remember 19.9% of people age 65+ years report diabetes.
- Of that group, 17.3% of men & 22.2% of women report vision impairment.

Moderate/Severe Difficulty Walking ¼ Mile for Adults 65+ w/ & w/o Diabetes and Vision Impairment, Health Interview Survey, 1997-2004



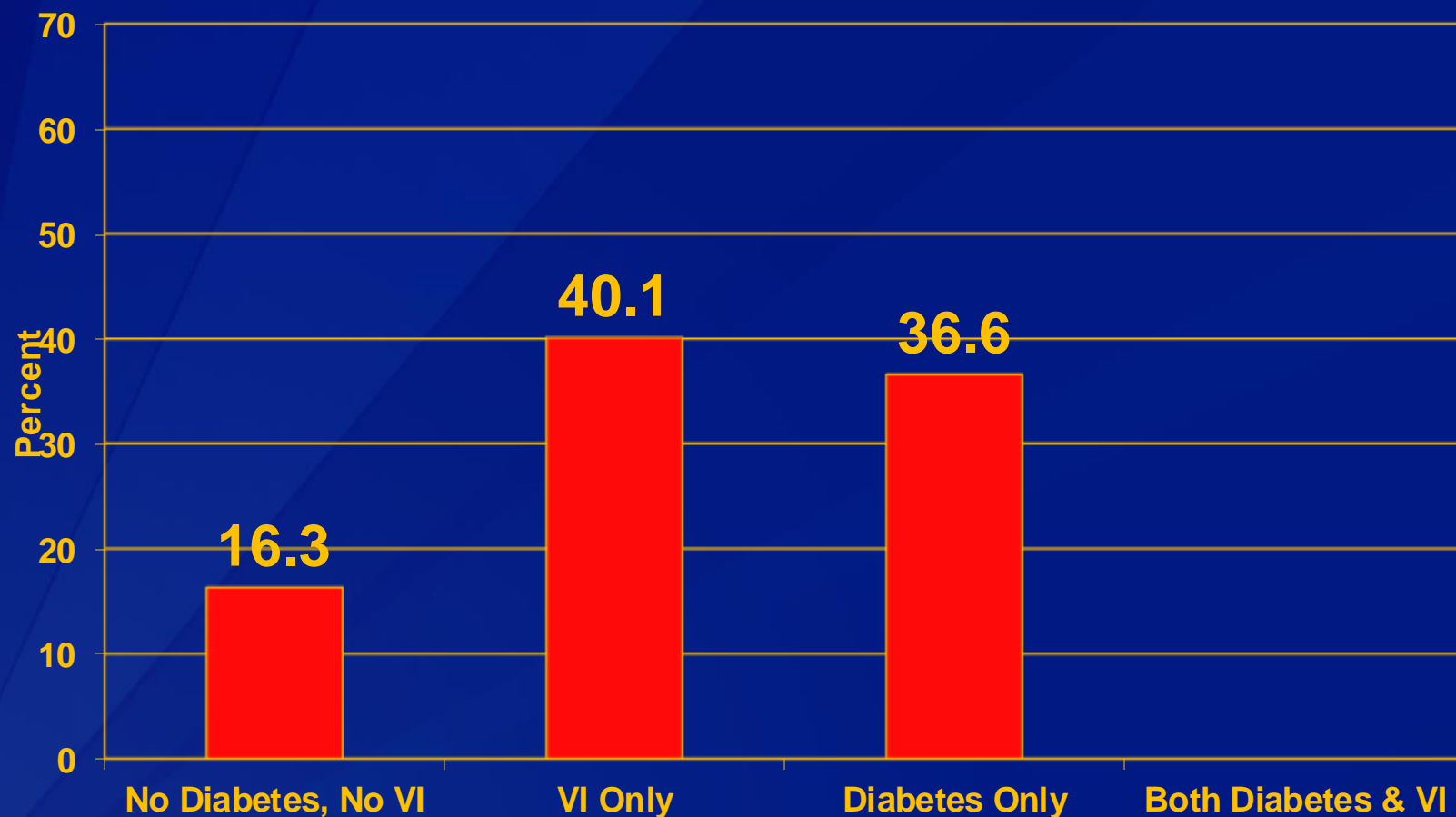
Crews, Jones, & Kim, 2006

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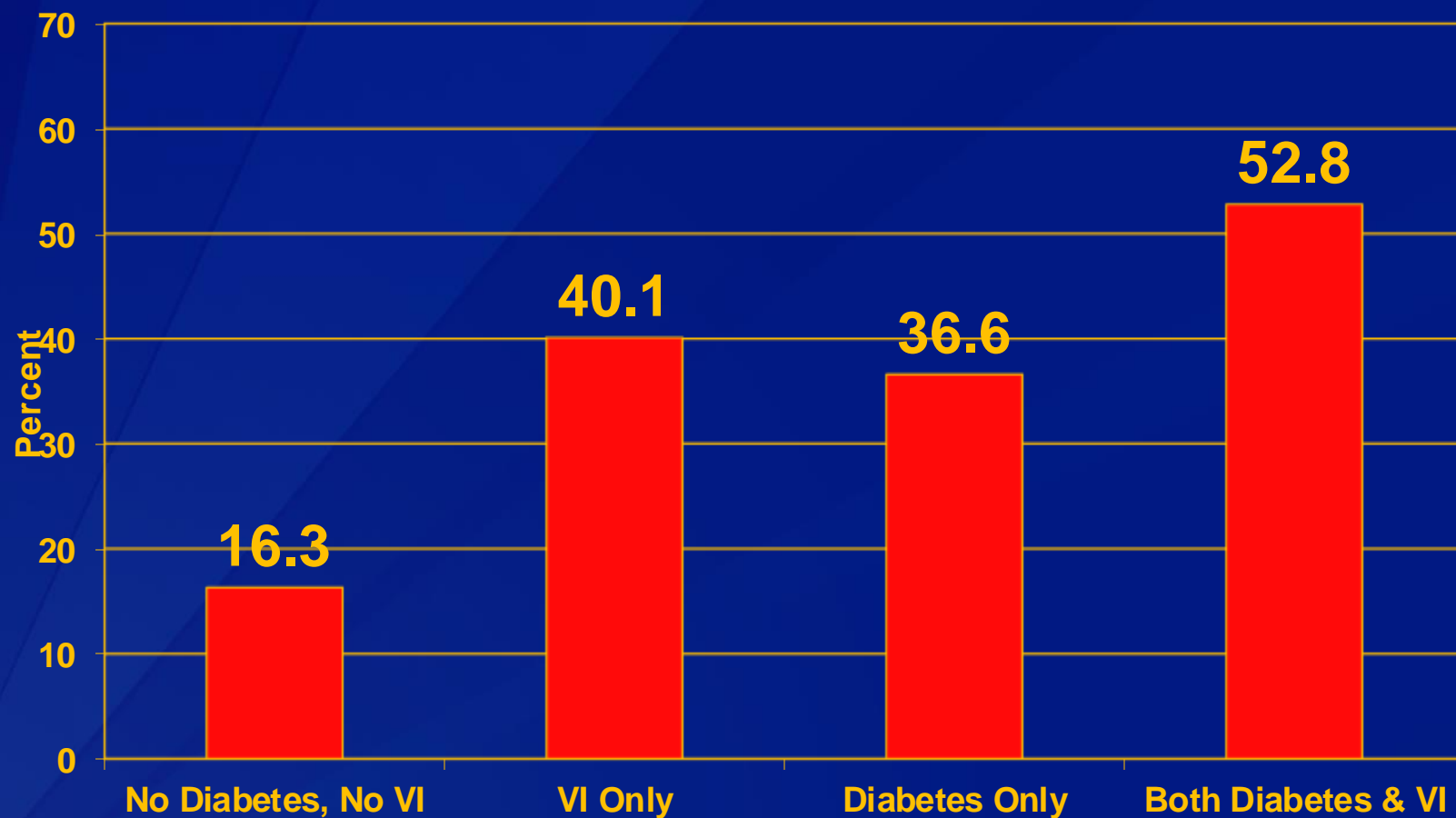
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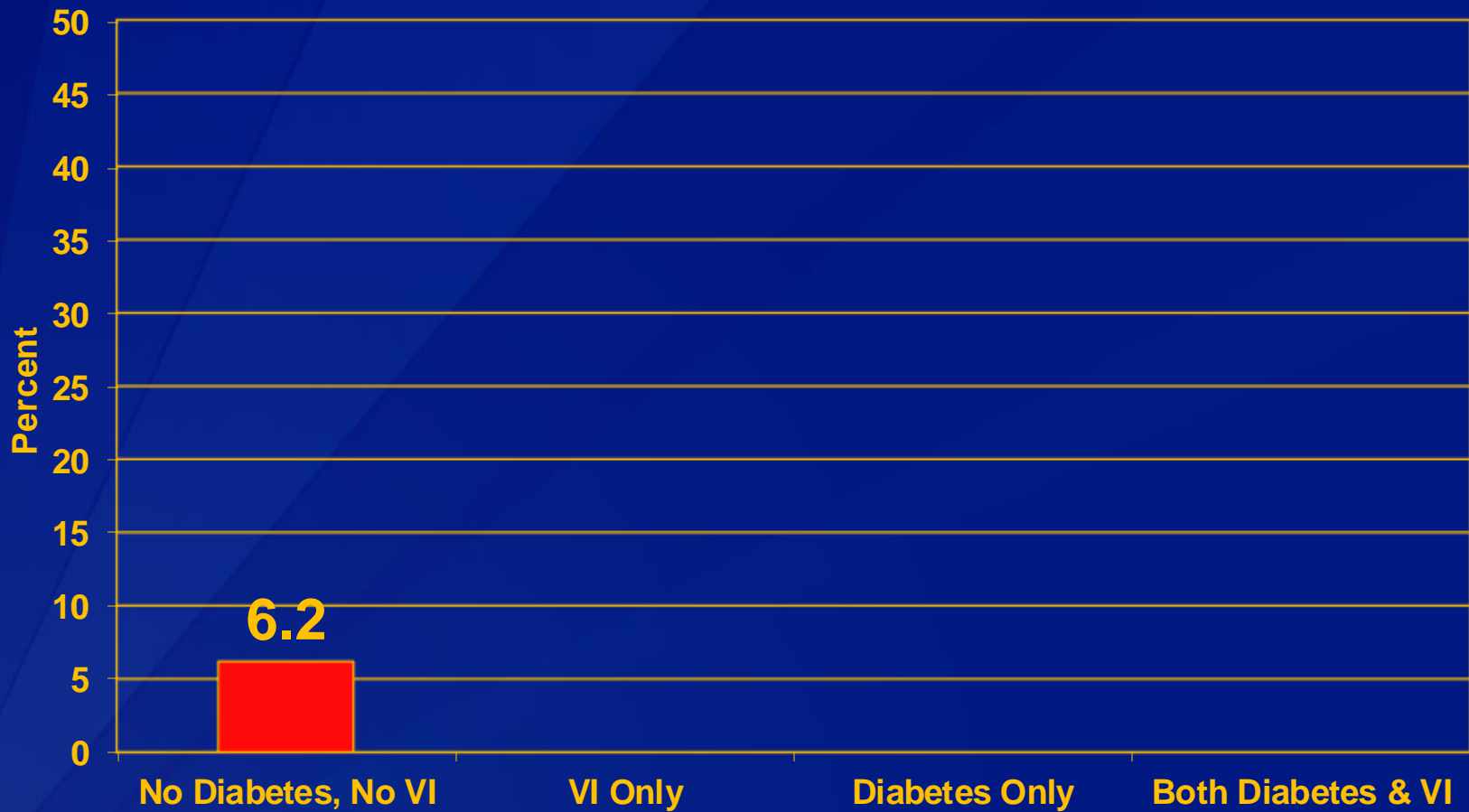
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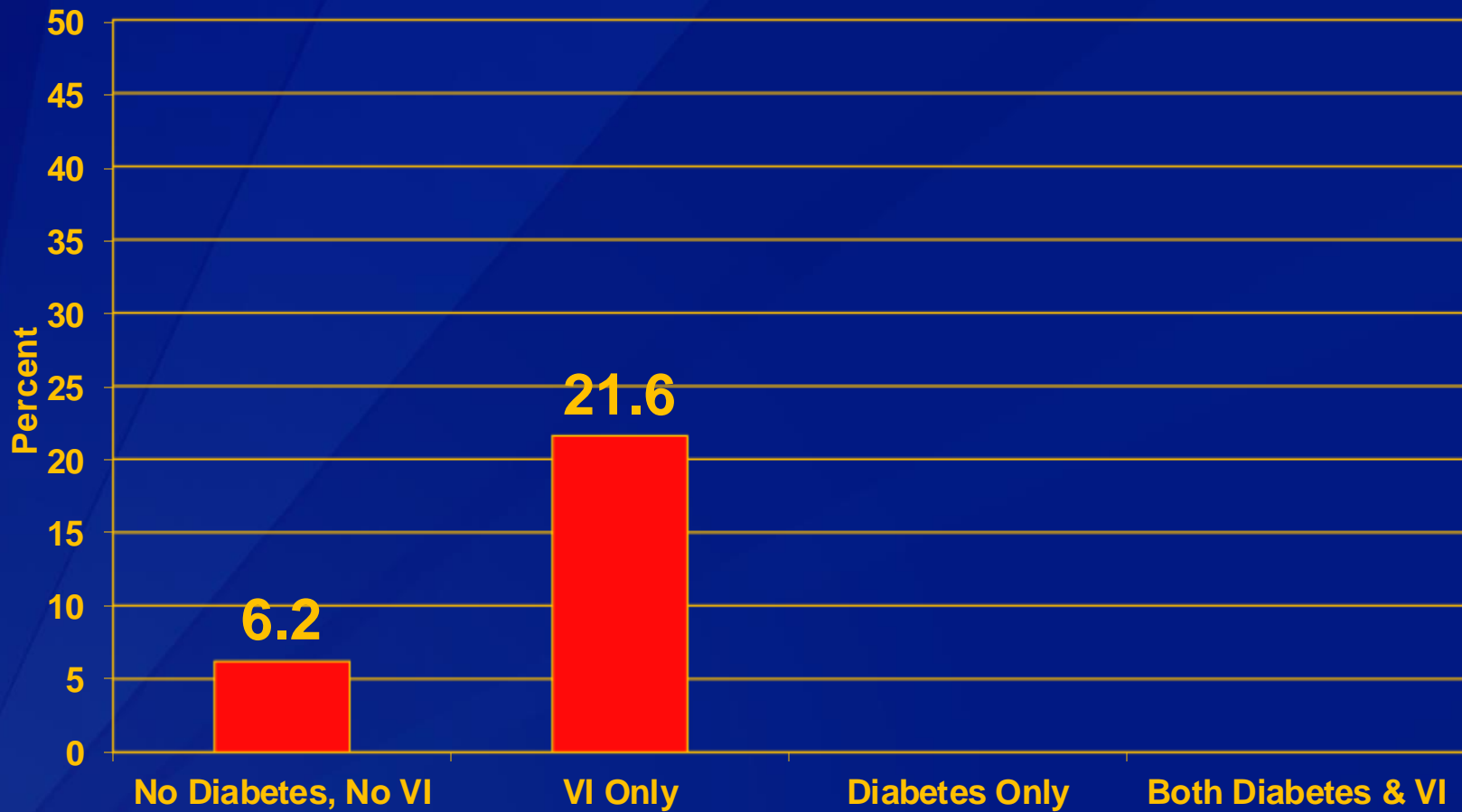
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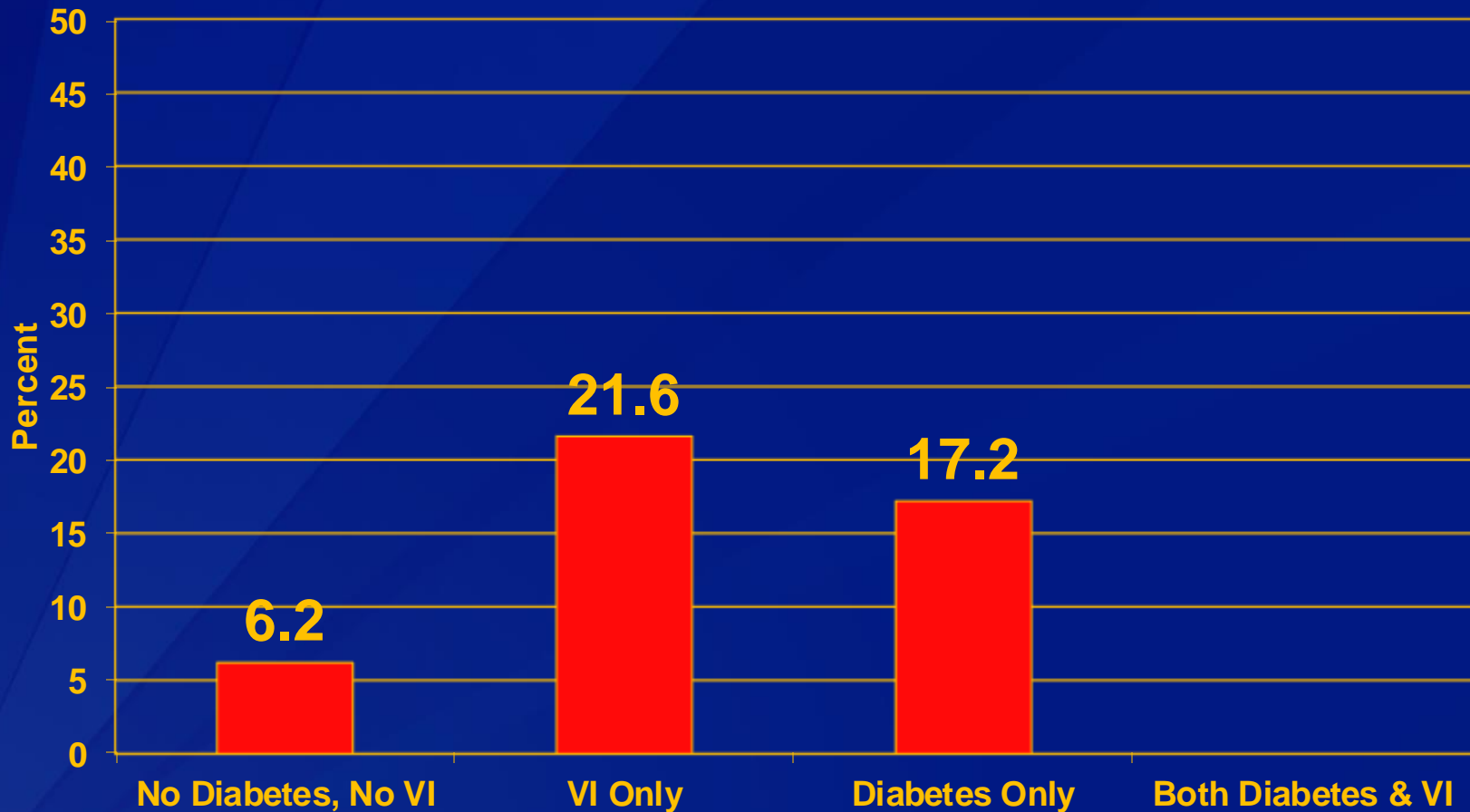
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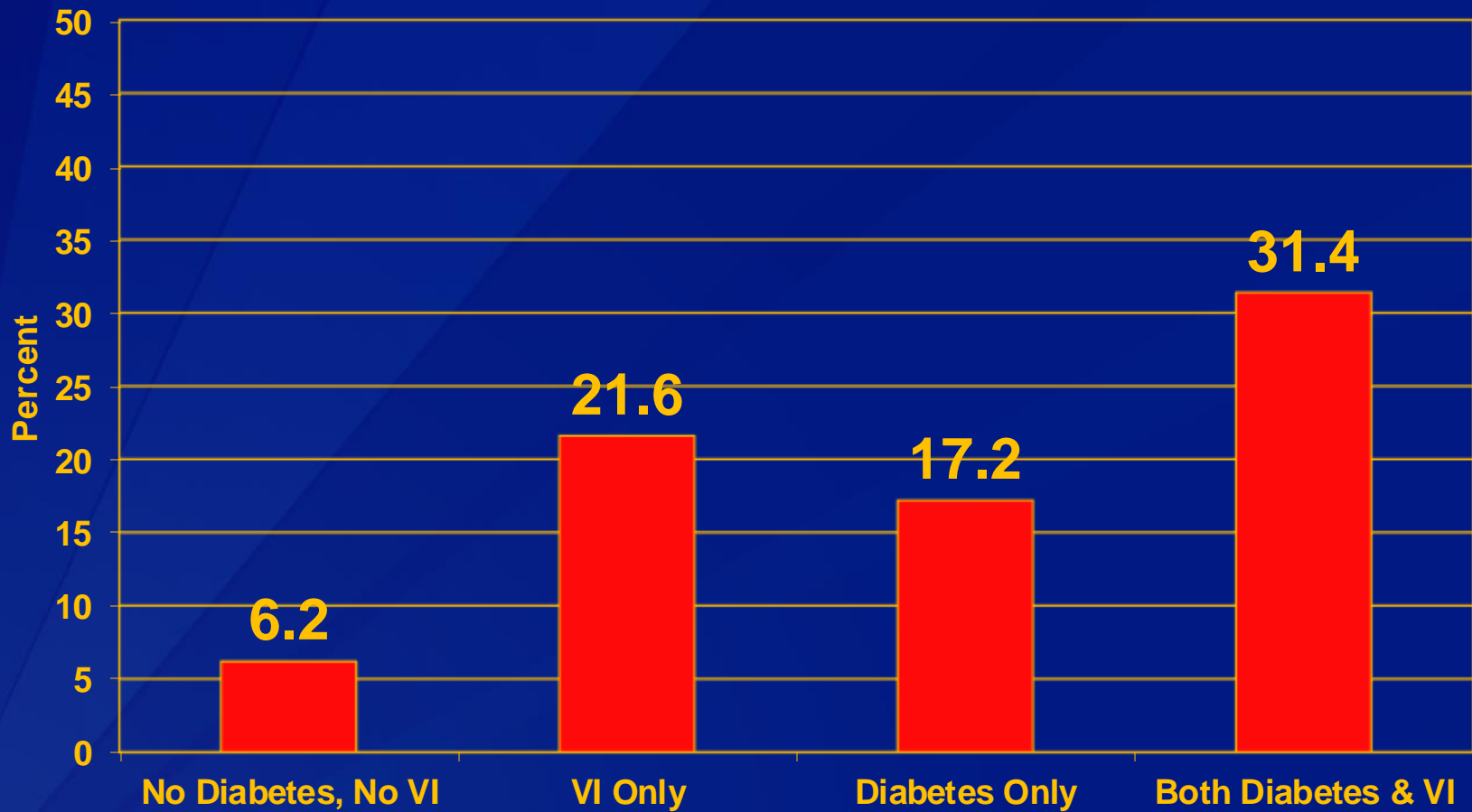
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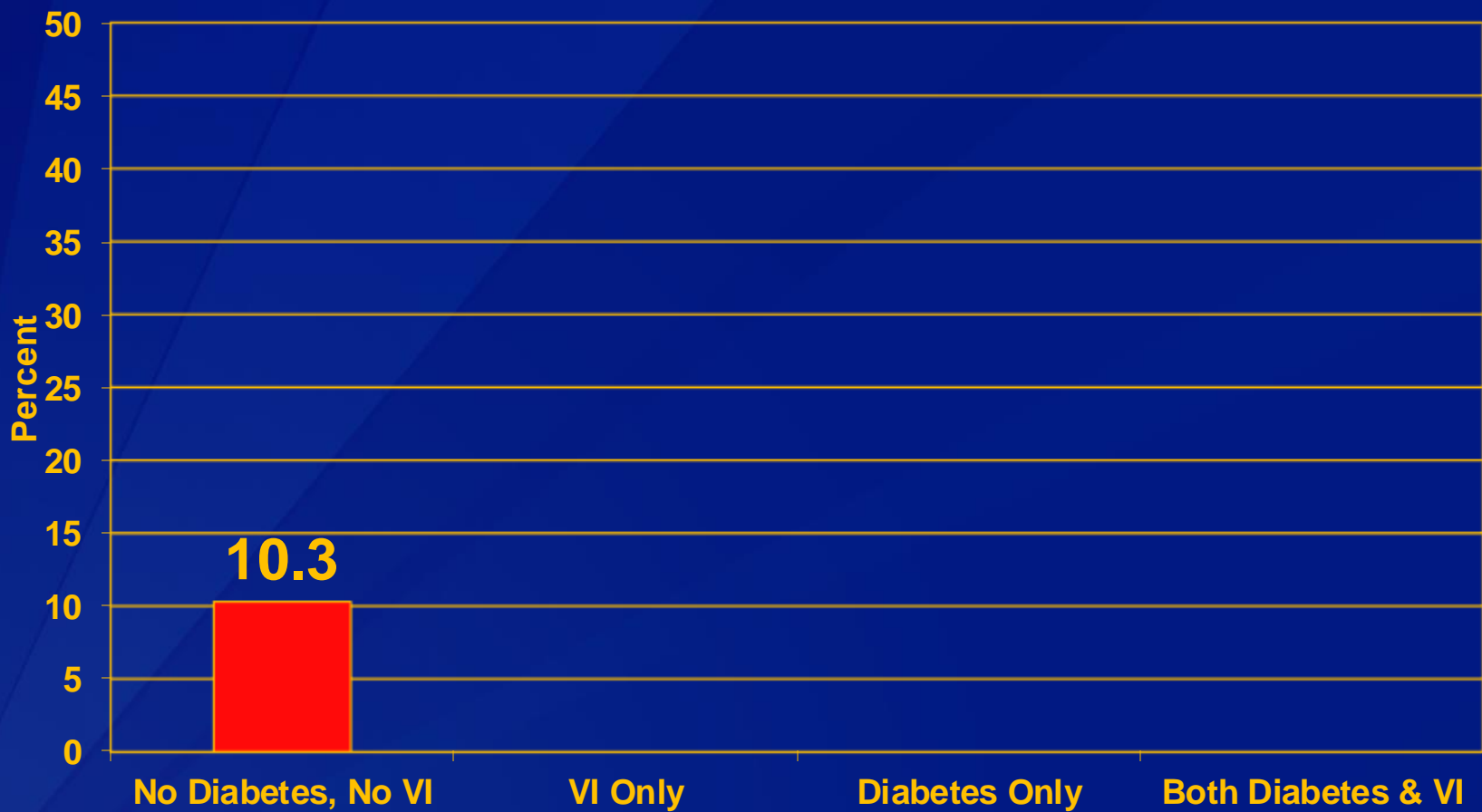
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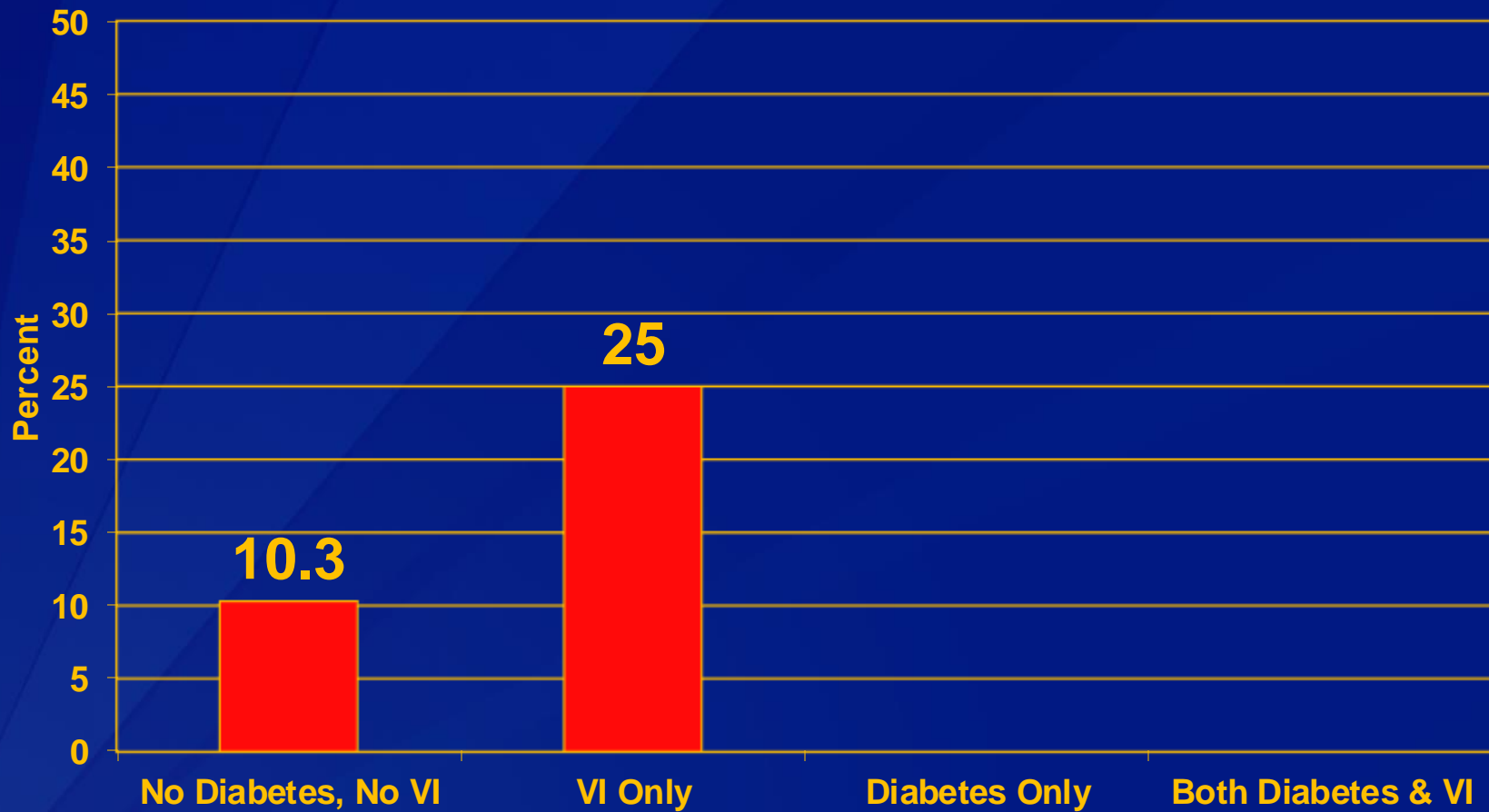
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Percent Reporting Worse Health for Adults 65+ w/ & w/o Diabetes and Vision Impairment, Health Interview Survey, 1997-2004



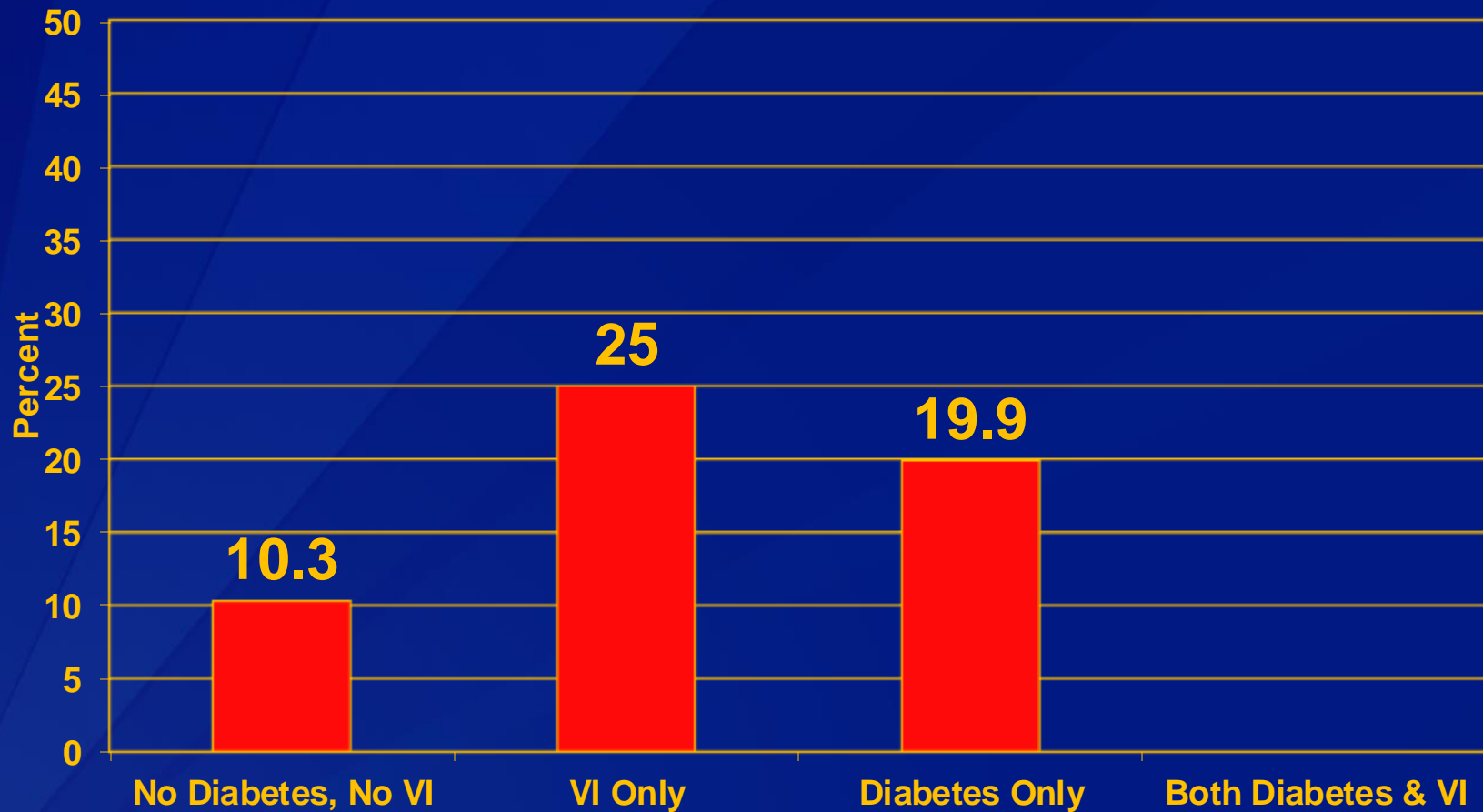
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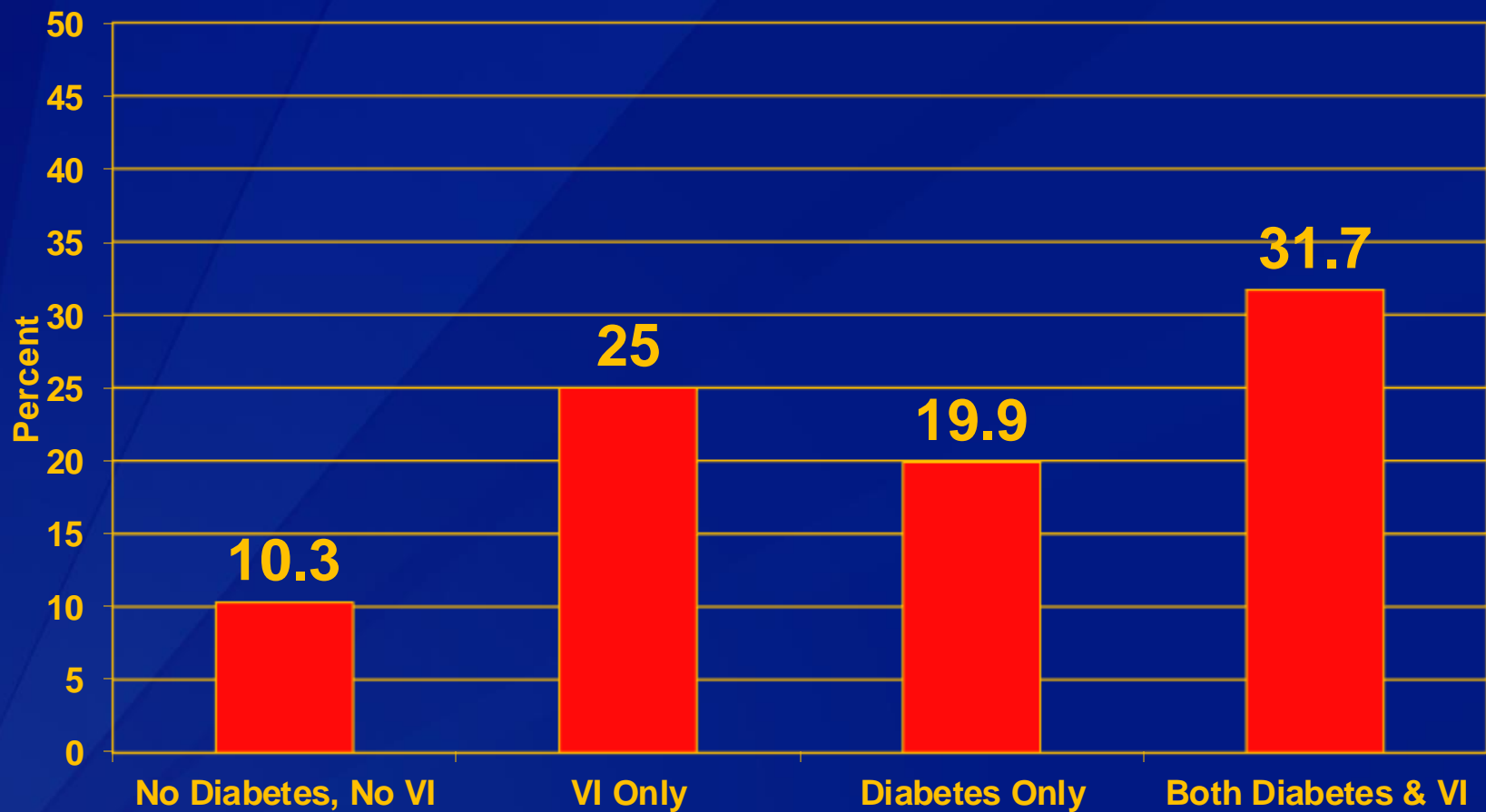
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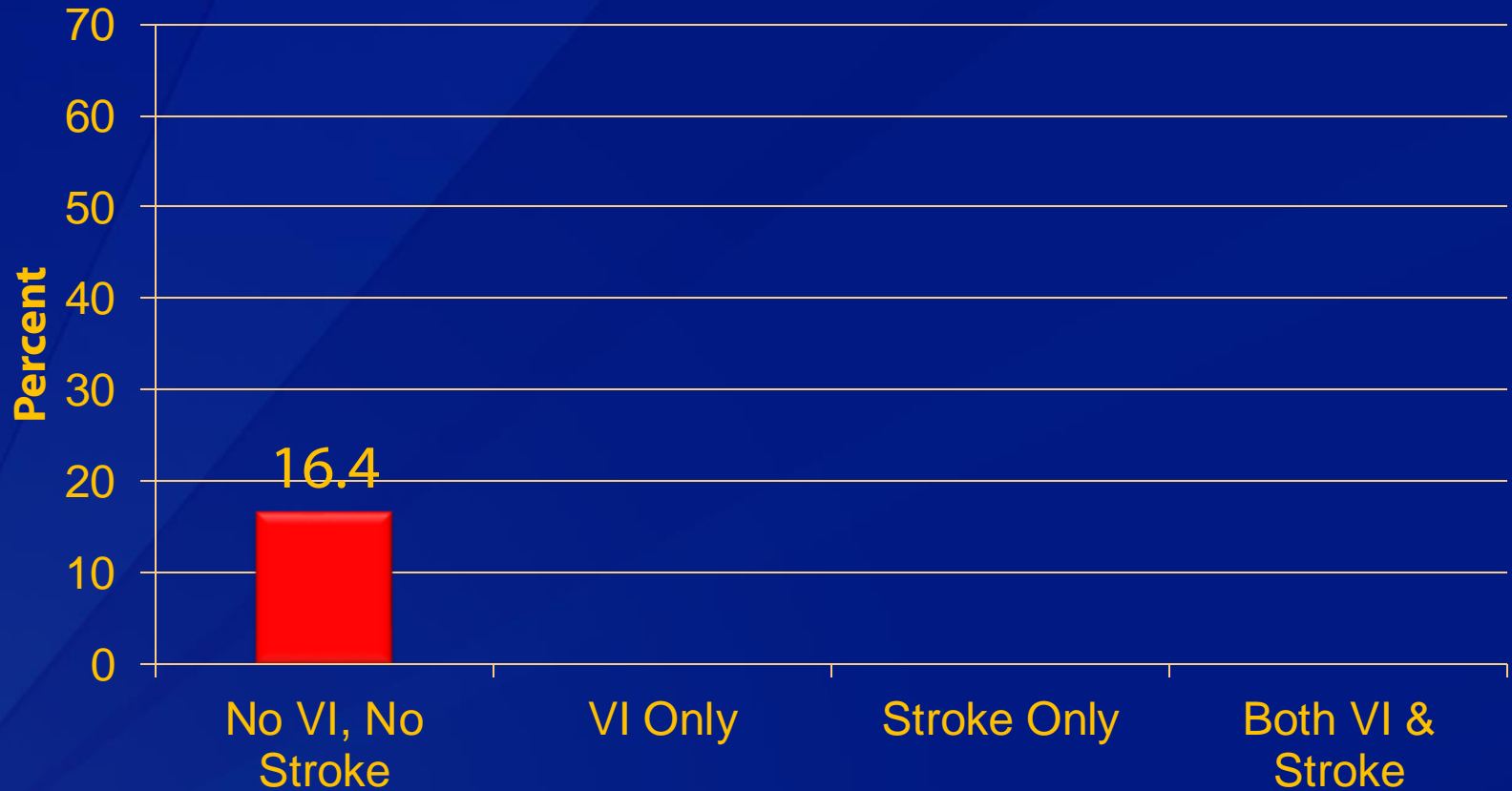


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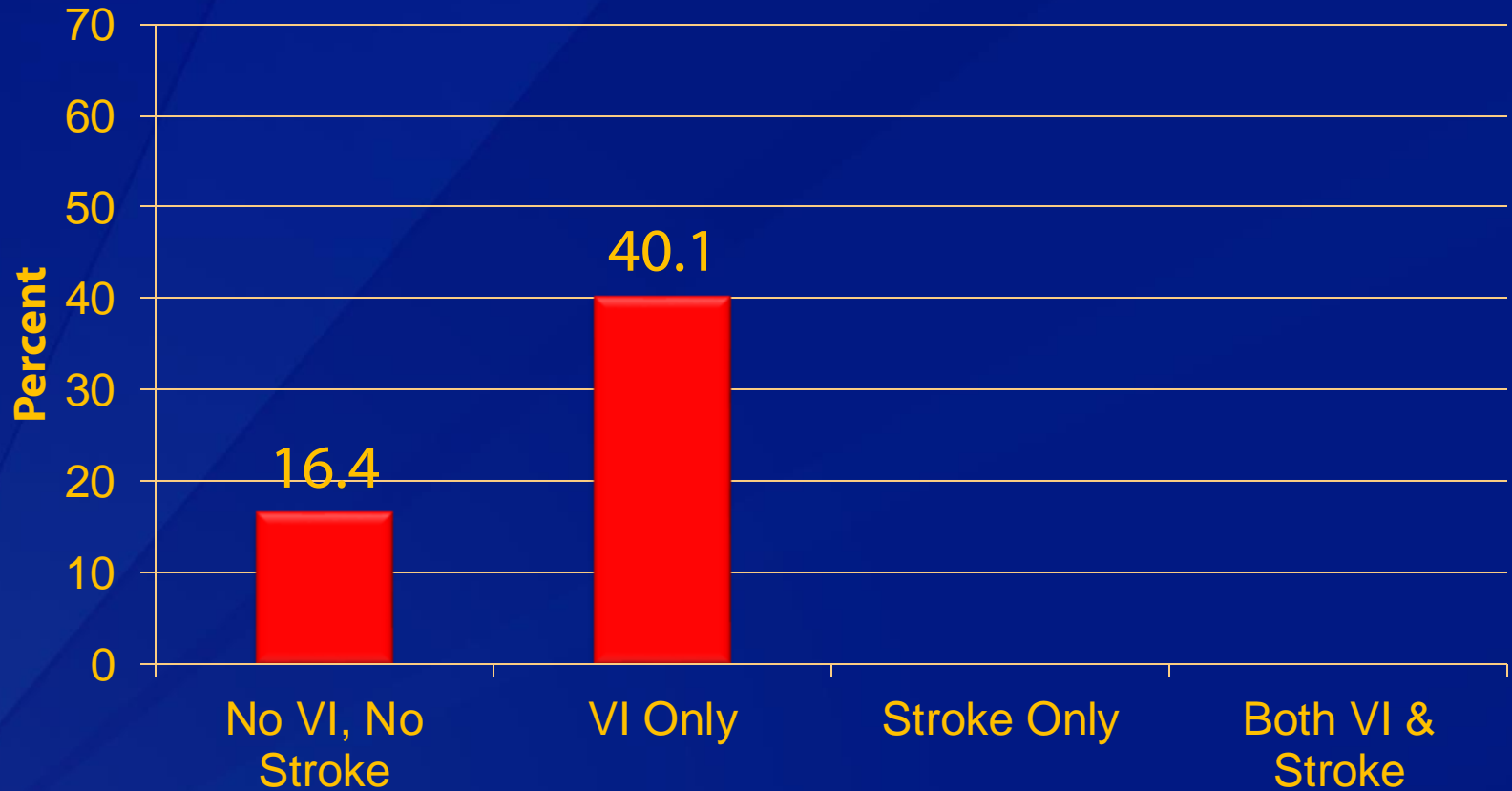
The Effects of Stroke and Vision Impairment

- ❑ Remember, 8.6% of people age 65+ years report stroke.**
- ❑ But of that group, 25.5% report vision problems.**

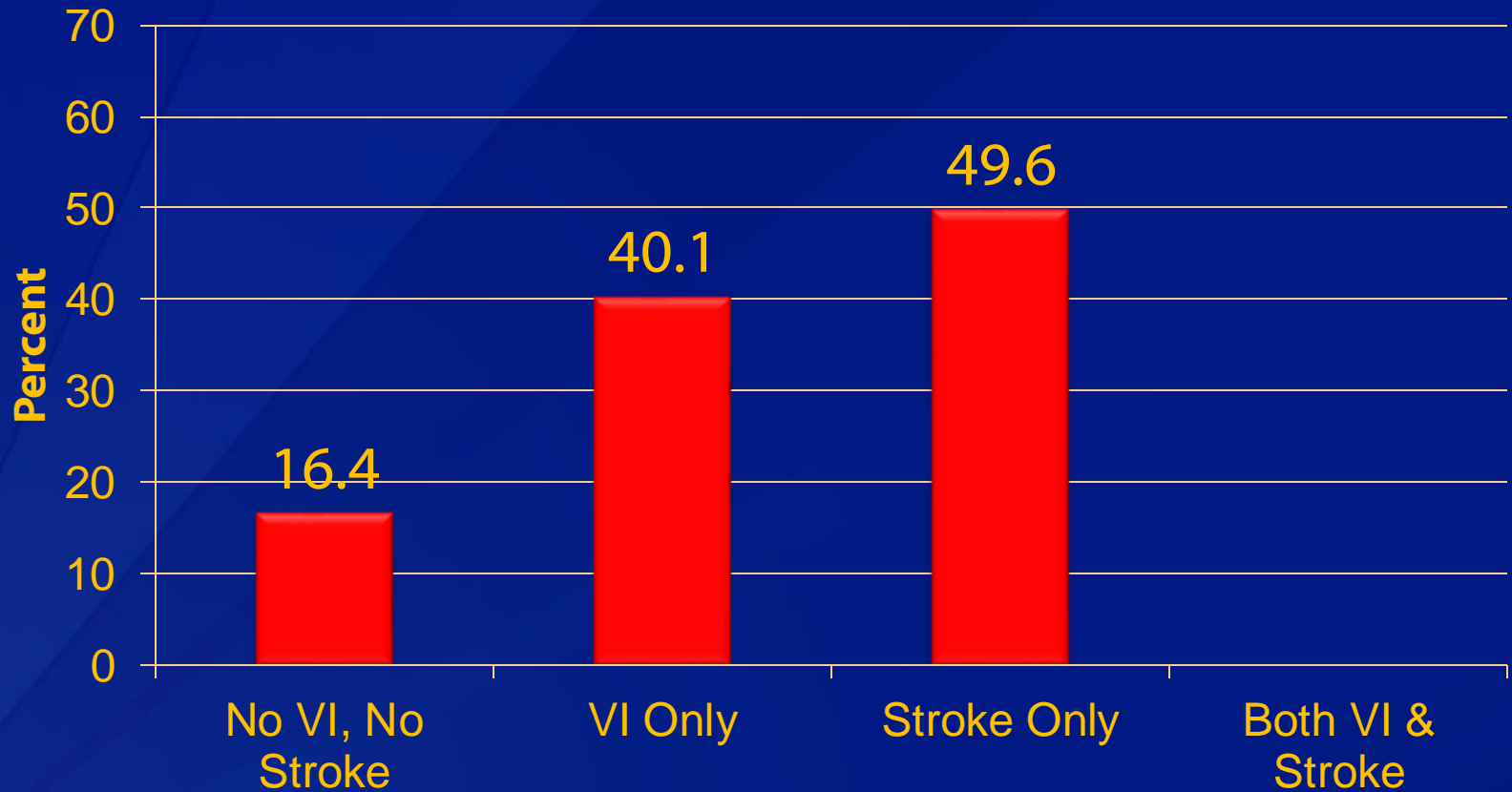
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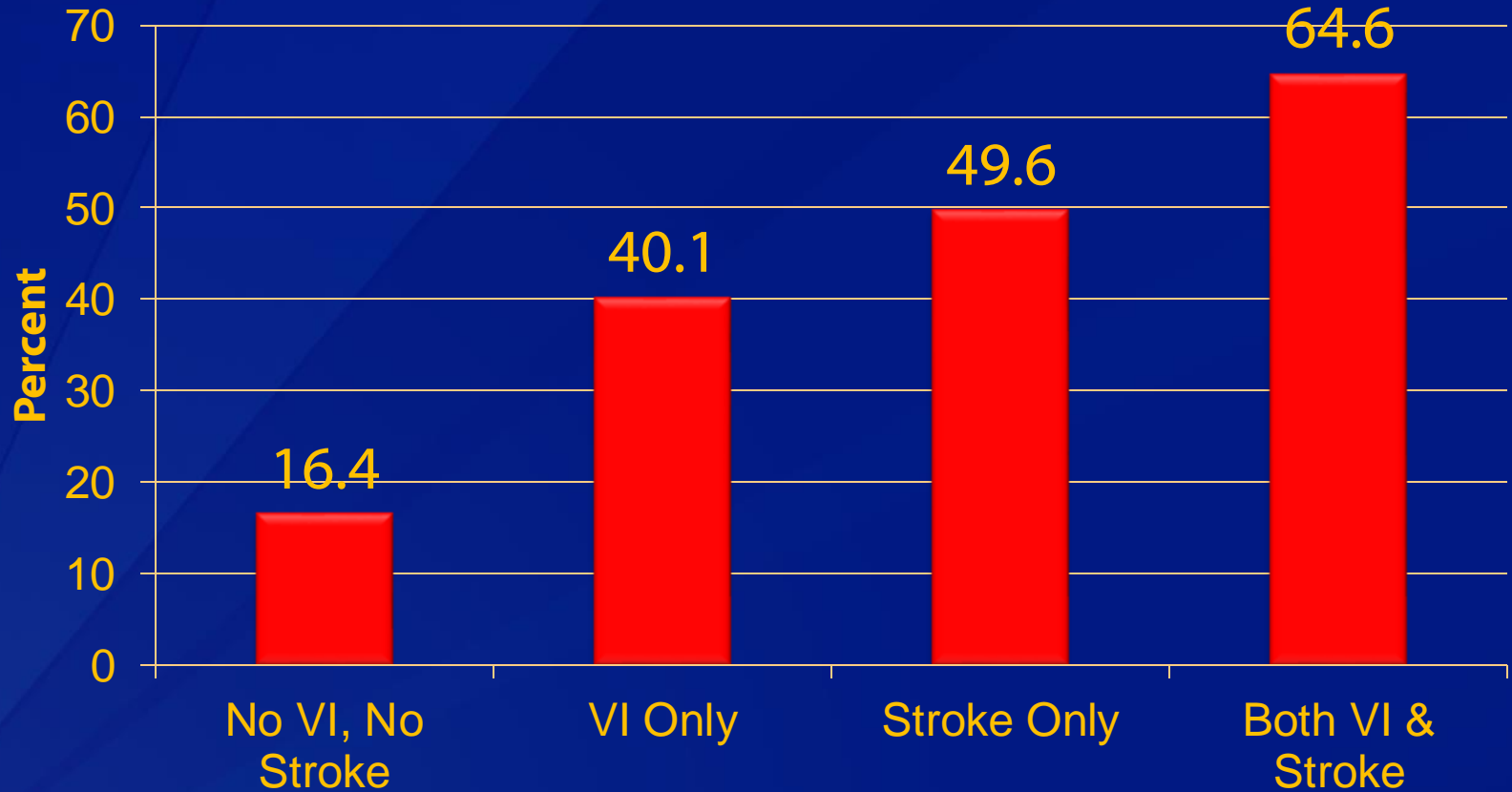
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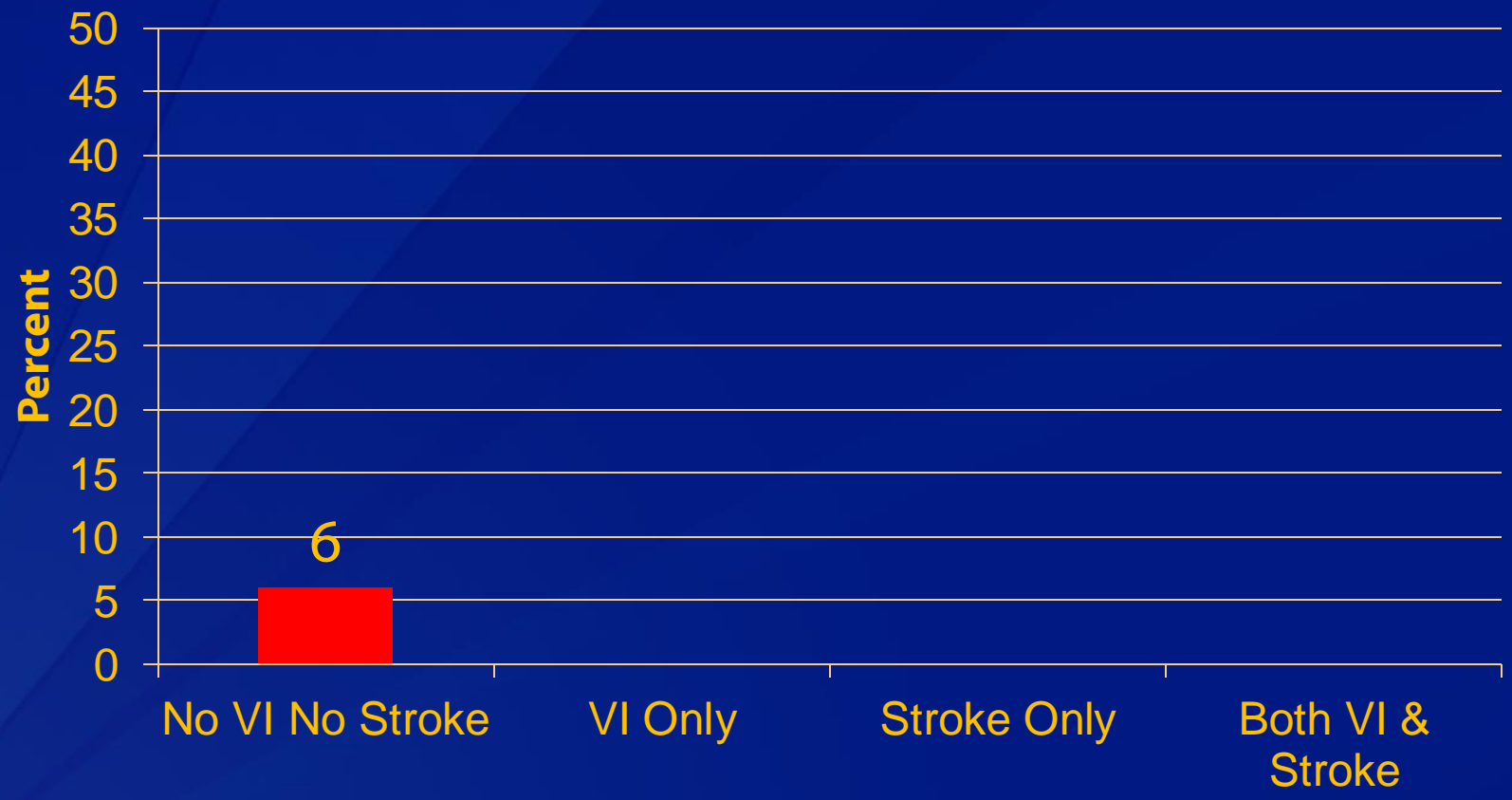
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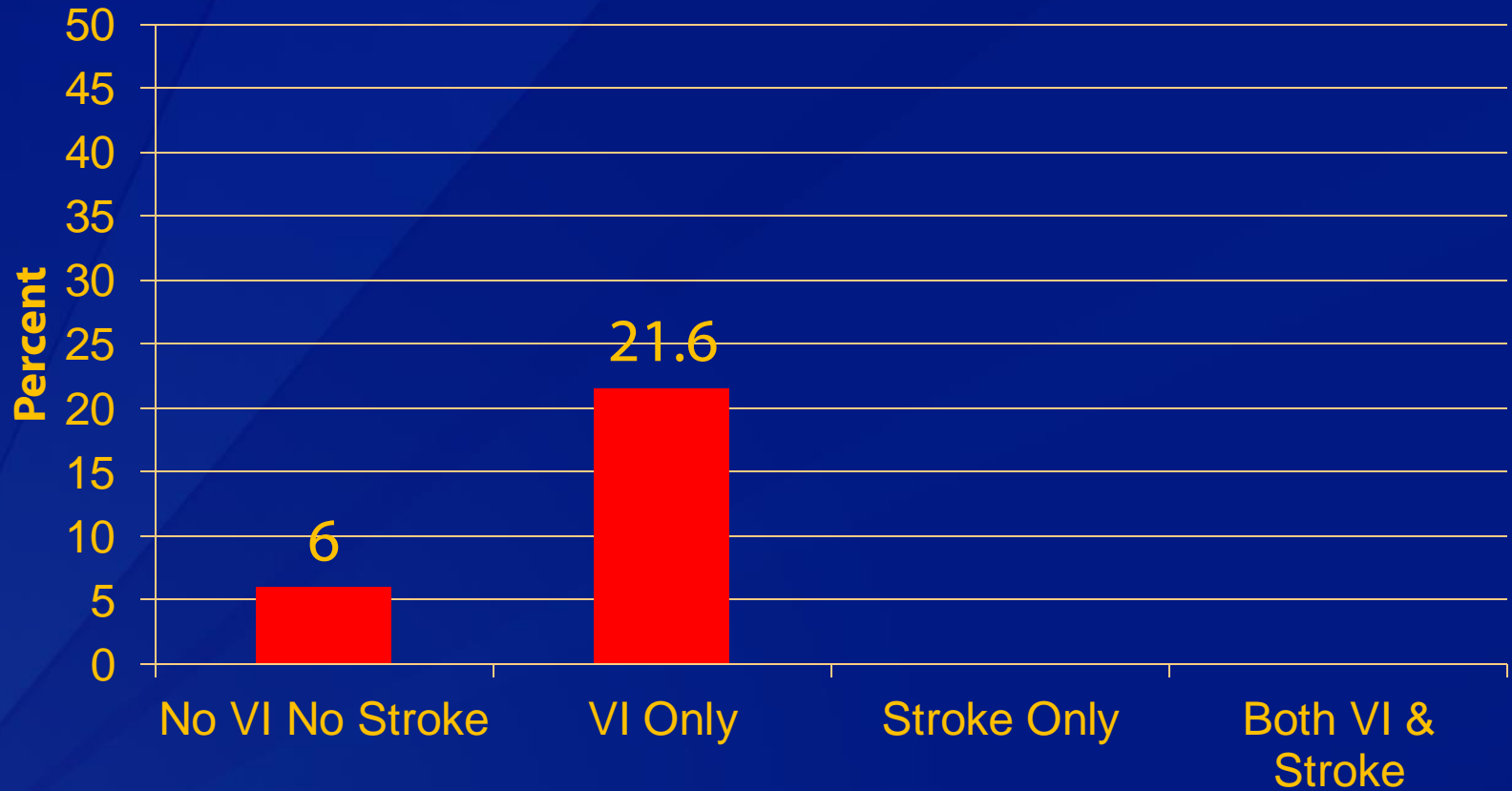


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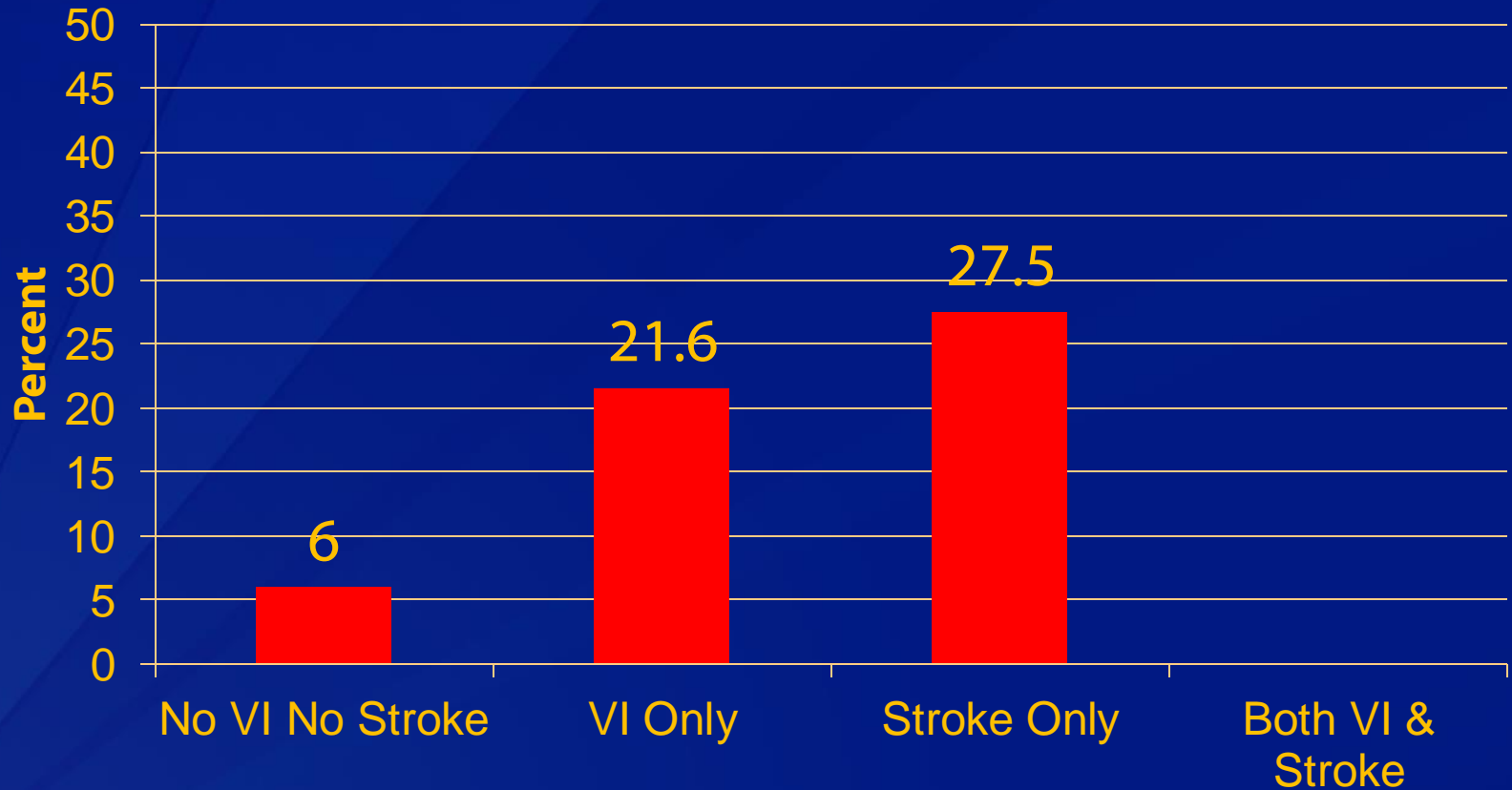
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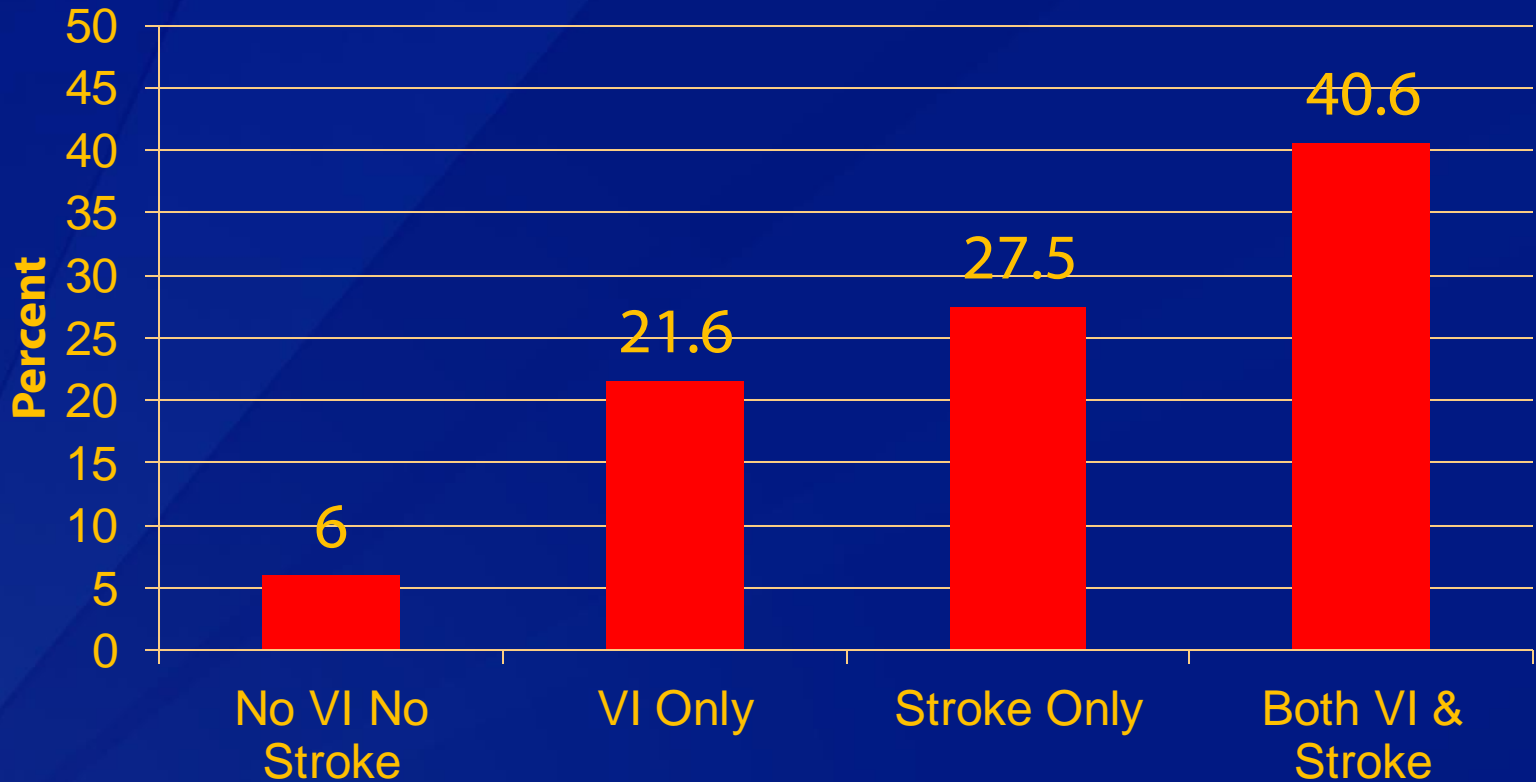
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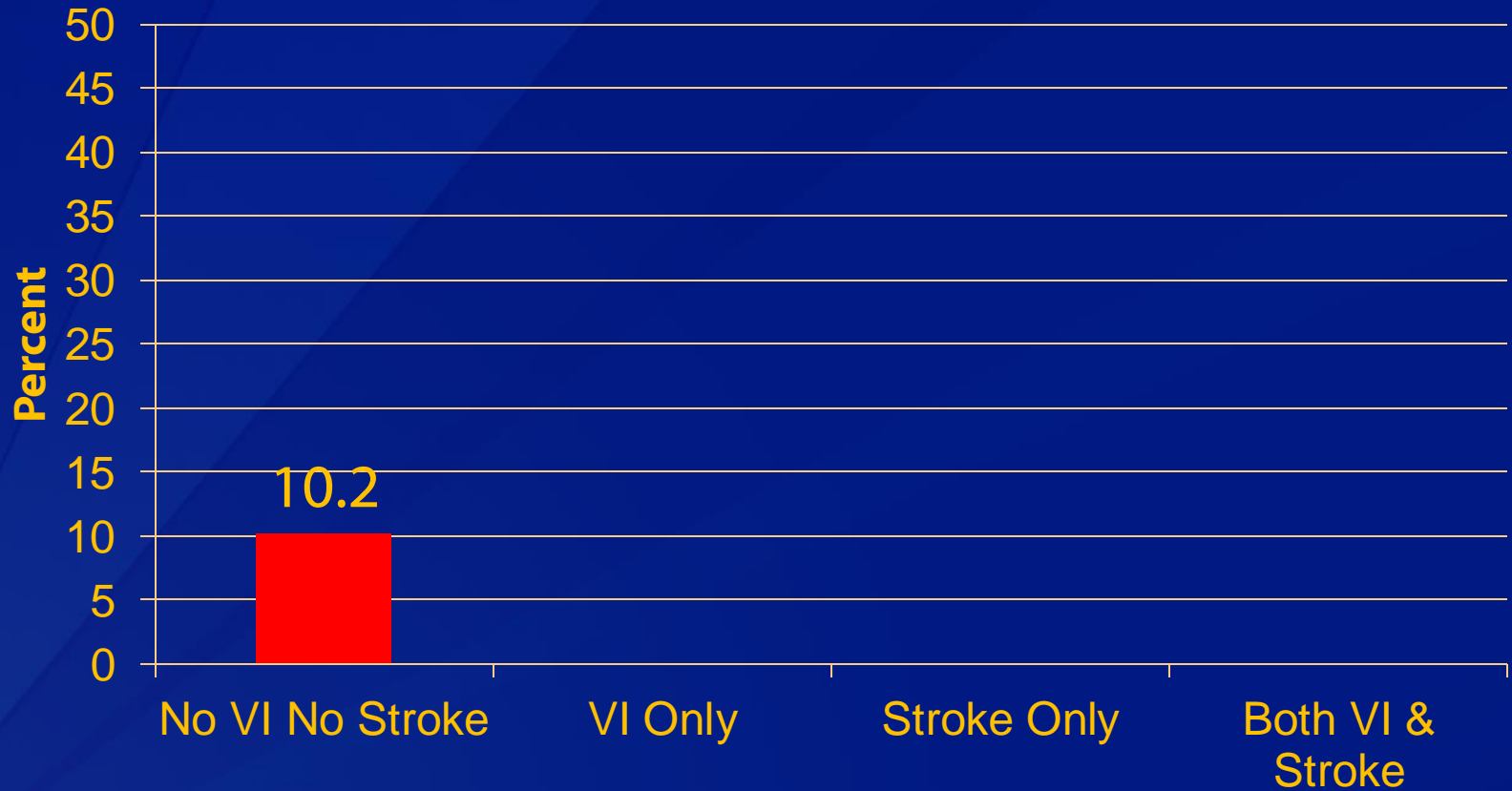
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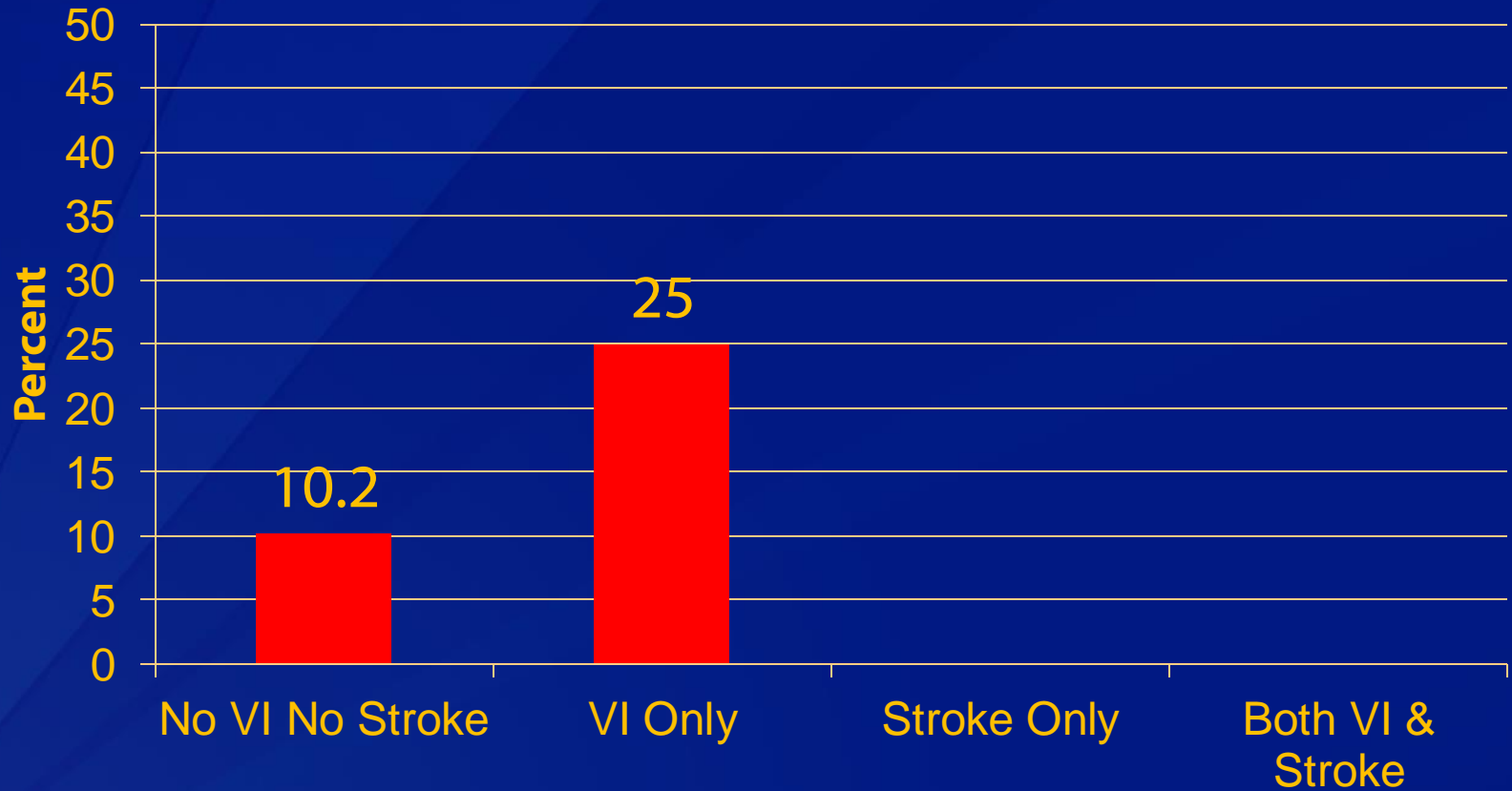
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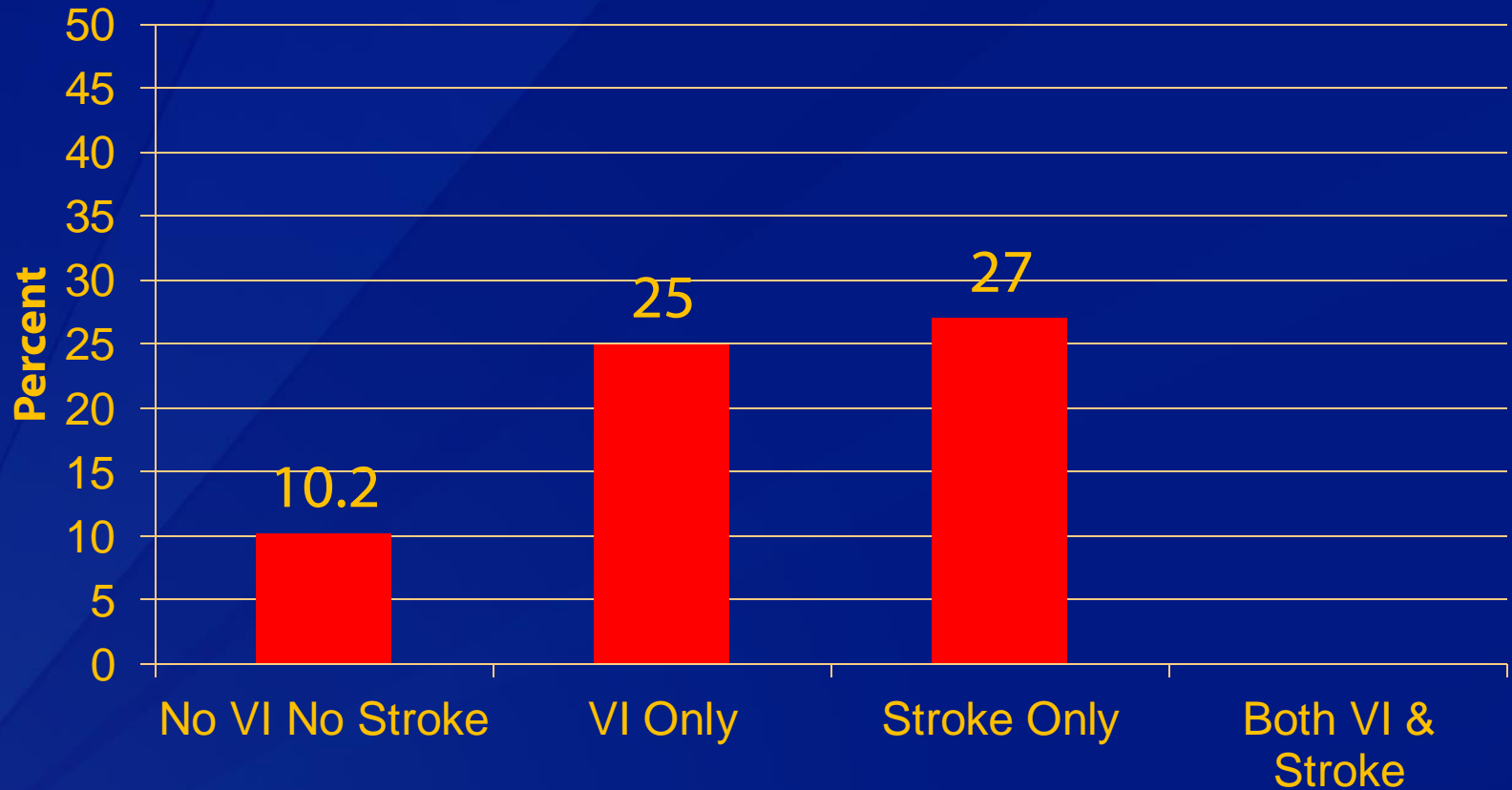
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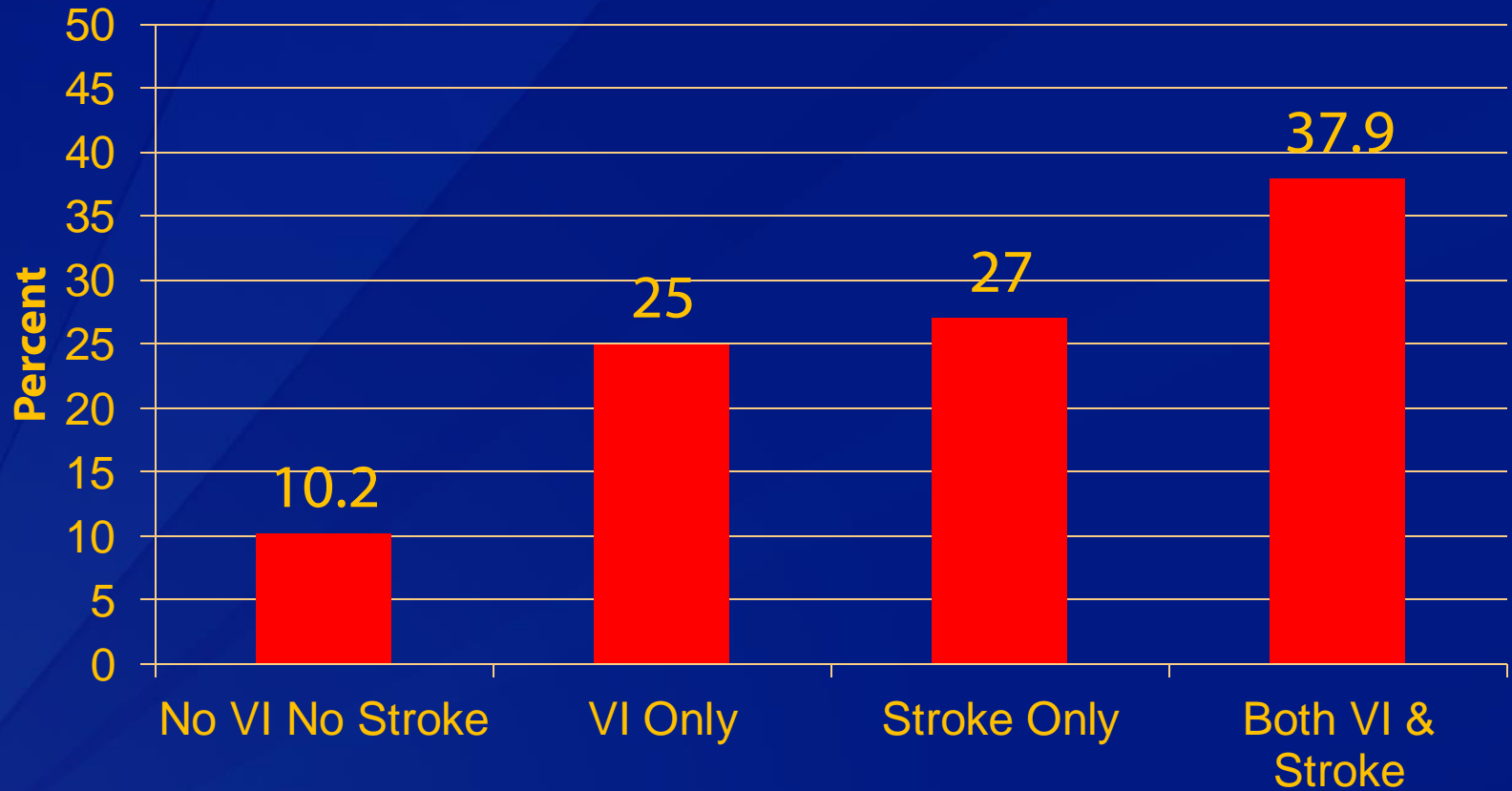
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Effects of Vision & Comorbid Conditions

- ❑ **Associated with decreased activity**
- ❑ **Associated with decreased social roles**
- ❑ **Associated with poorer health**
- ❑ **Vision and multiple chronic conditions have propelling negative effect.**
- ❑ **An effect that requires attention.**

Potential Solutions

- ❑ **Improved access and utilization of eye care**
- ❑ **Increased engagement of chronic disease providers to address needs of their constituents with vision impairment**
- ❑ **Improved tailored efforts to promote health among people with vision impairment**

Finally,

All this gets played out in the lives of real people—people who want continued independence, social participation, and quality of life.

Thank you

Thank you very much!

For more information, please contact
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<http://www.cdc.gov/visionhealth/>

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

