

Collaborative Staging – How Are We Doing?



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CCCR

California Cancer Registry

Searching for Causes & Cures

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Objectives

- Provide background on CCR visual editing standards and accuracy rates
- Review accuracy rates for selected Collaborative Staging fields for the major cancer sites
- Summarize actions for improvement



CCR Background Information

- Law enacted in 1985 to establish the California Cancer Registry
- Mandatory cancer reporting since 1987
- Ten cancer reporting regions established
- Over 129,000 new cases added annually
- CCR database contains over 1.3 million cancer cases



CCR Visual Editing Standards: Purpose

- Assure high quality data for analysis
- Provide consistency in the visual editing process
- Quantify the accuracy of cancer data from cancer reporting facilities
- Standardize accuracy rates
- Standardize format for reporting rates to registrars/facilities



Discrepancies

- Defined as the quality or state of being discrepant, i.e., disagreeing, being at variance
- A discrepancy arises when a more appropriate code should have been selected for a data item based on submitted documentation



Discrepancies

- Discrepancies are counted prior to cases being linked or consolidated
- Each data item is considered one potential discrepancy with the following exceptions:
 - Site/subsite
 - LN's Pos/Examined
 - Site Specific Factor fields



CCR Visual Editing Standards: Accuracy Rates

- Accuracy Rate Standard: 97%
- Automated software was developed to calculate accuracy rates
- Implemented January 1, 2000 with 100% visual editing on 13 data items



CCR Visual Editing Standards: Calculation of Accuracy Rates

- Percent Discrepant: Number of discrepancies divided by the number of abstracts, multiplied by the number of data items
- Accuracy Rate: 100% less the percent discrepant



CS Implementation

- Conducted 12 training sessions throughout California in 2004
- Posted a Frequently Asked CS Questions document on the CCR web site
- CCR required CS fields: All CS fields except the CS Evaluation fields



“The Learning Curve”

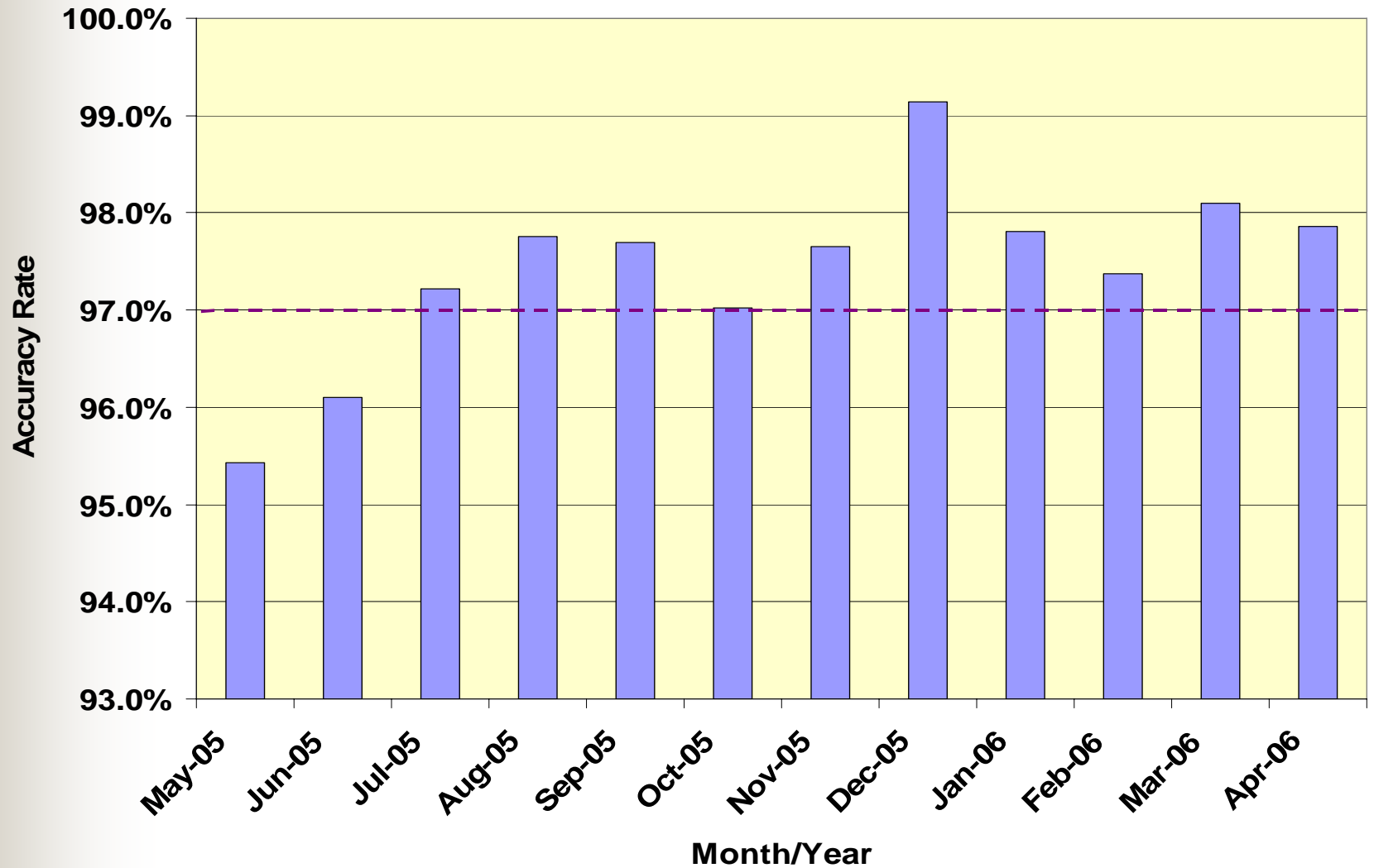
- January - June 2005
- Feedback provided regarding the CCR required CS fields



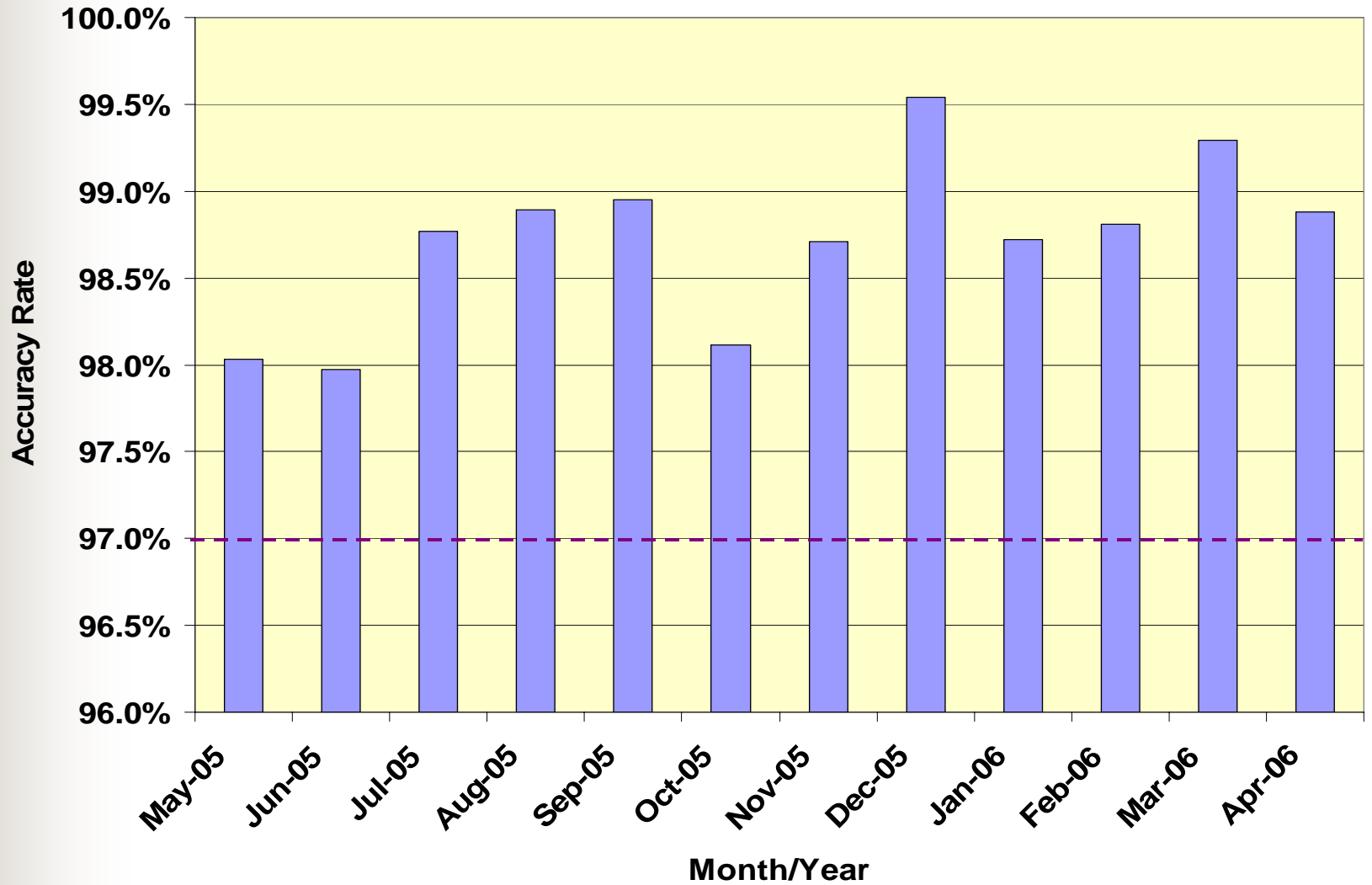
CS Accuracy Rates

- Accuracy rates for the required CS fields became effective July of 2005
- Same accuracy rate standard of 97% applied

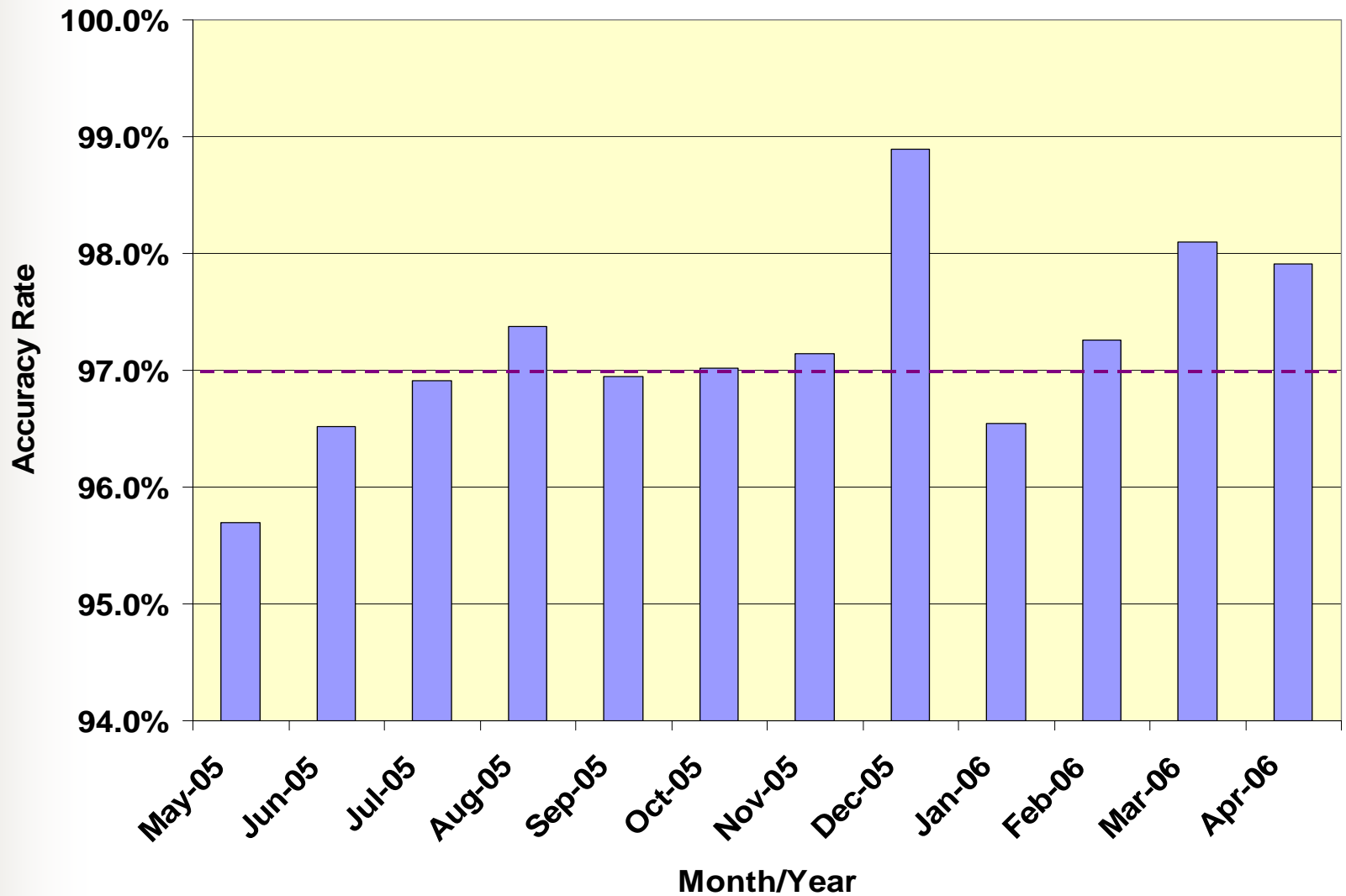
Breast - CS Tumor Size



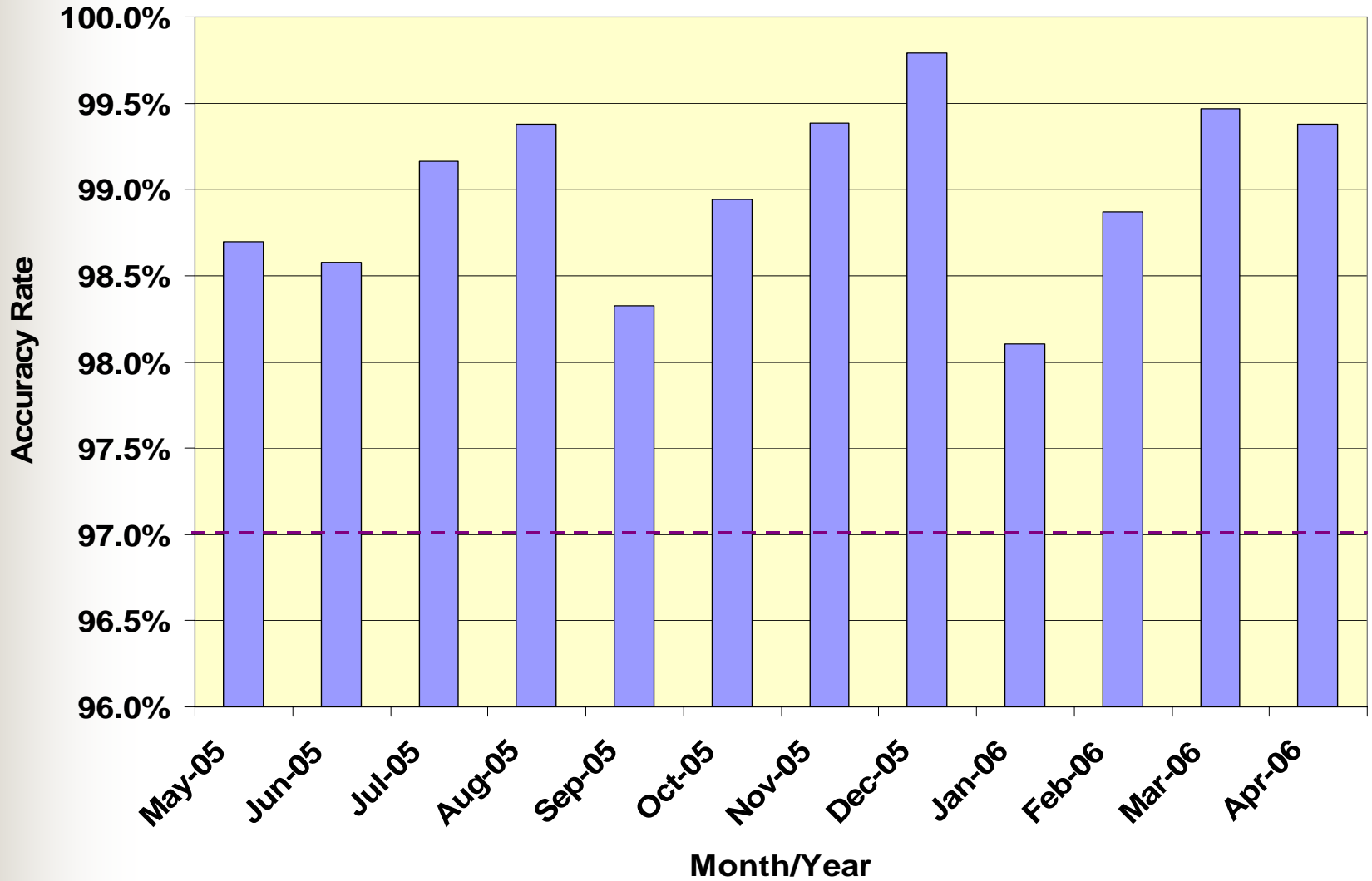
Breast - CS Extension



Breast - CS Lymph Nodes



Breast - CS Mets at Dx

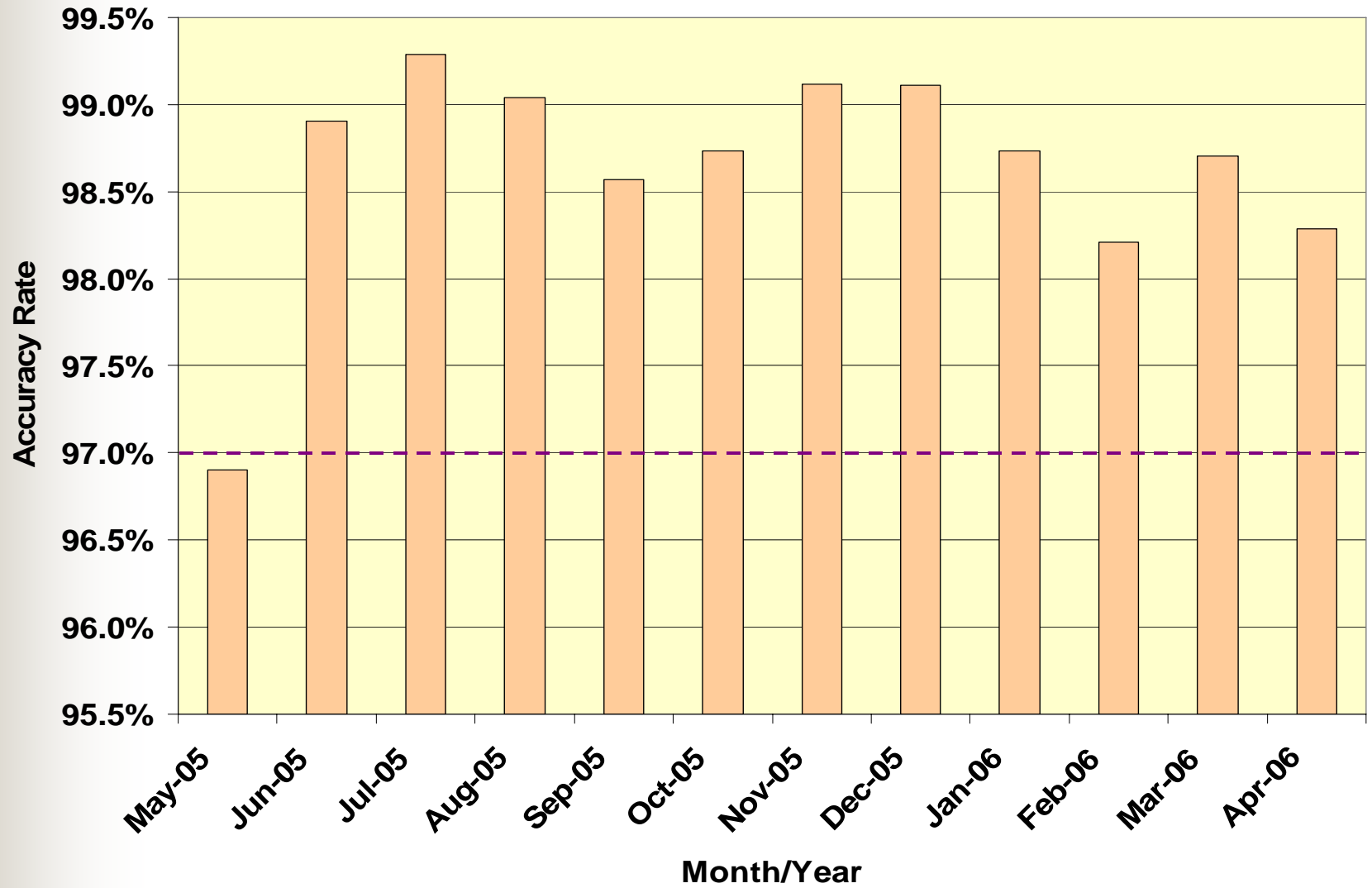




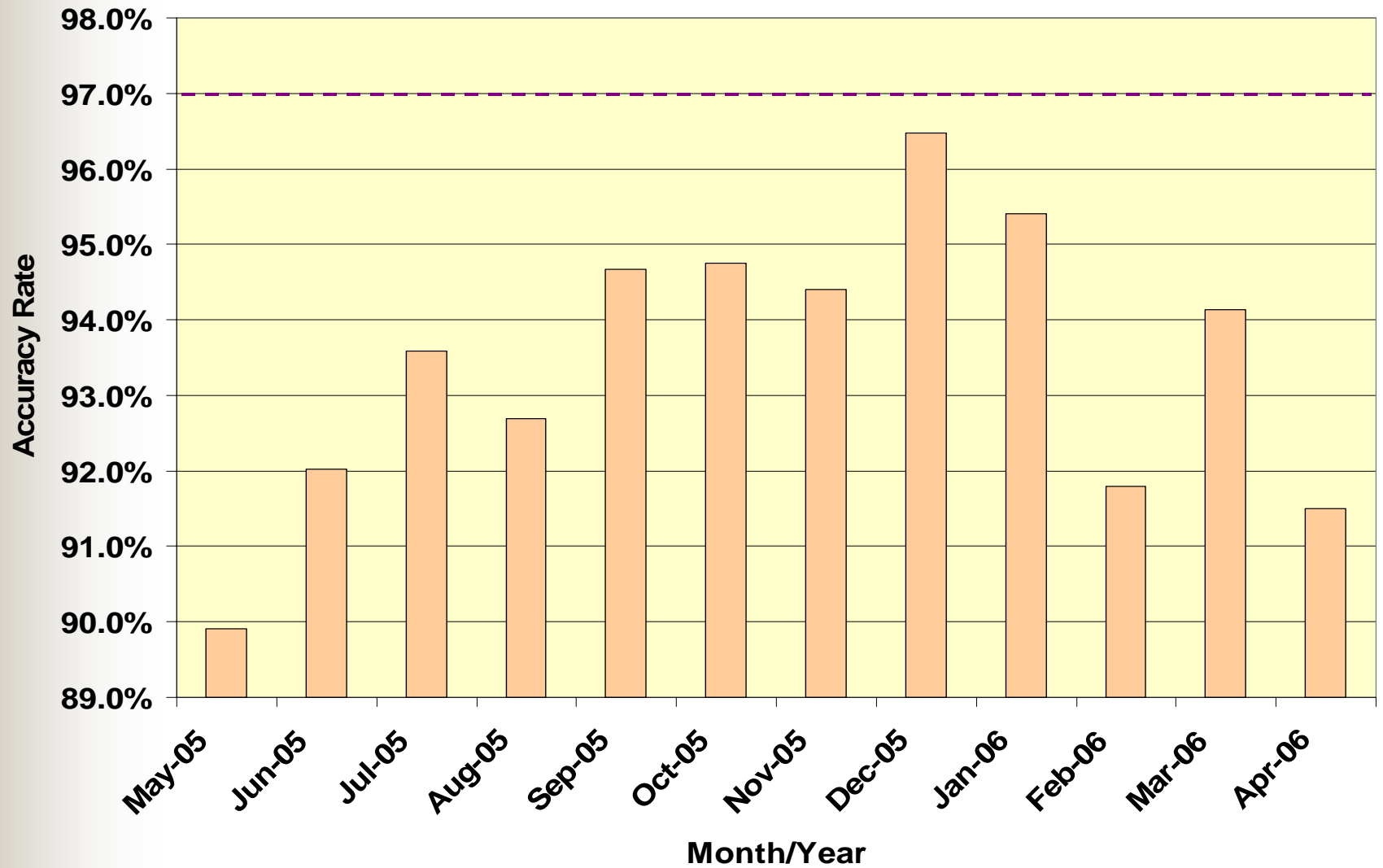
Breast – Site Specific Factors

- All met the 97% accuracy rate

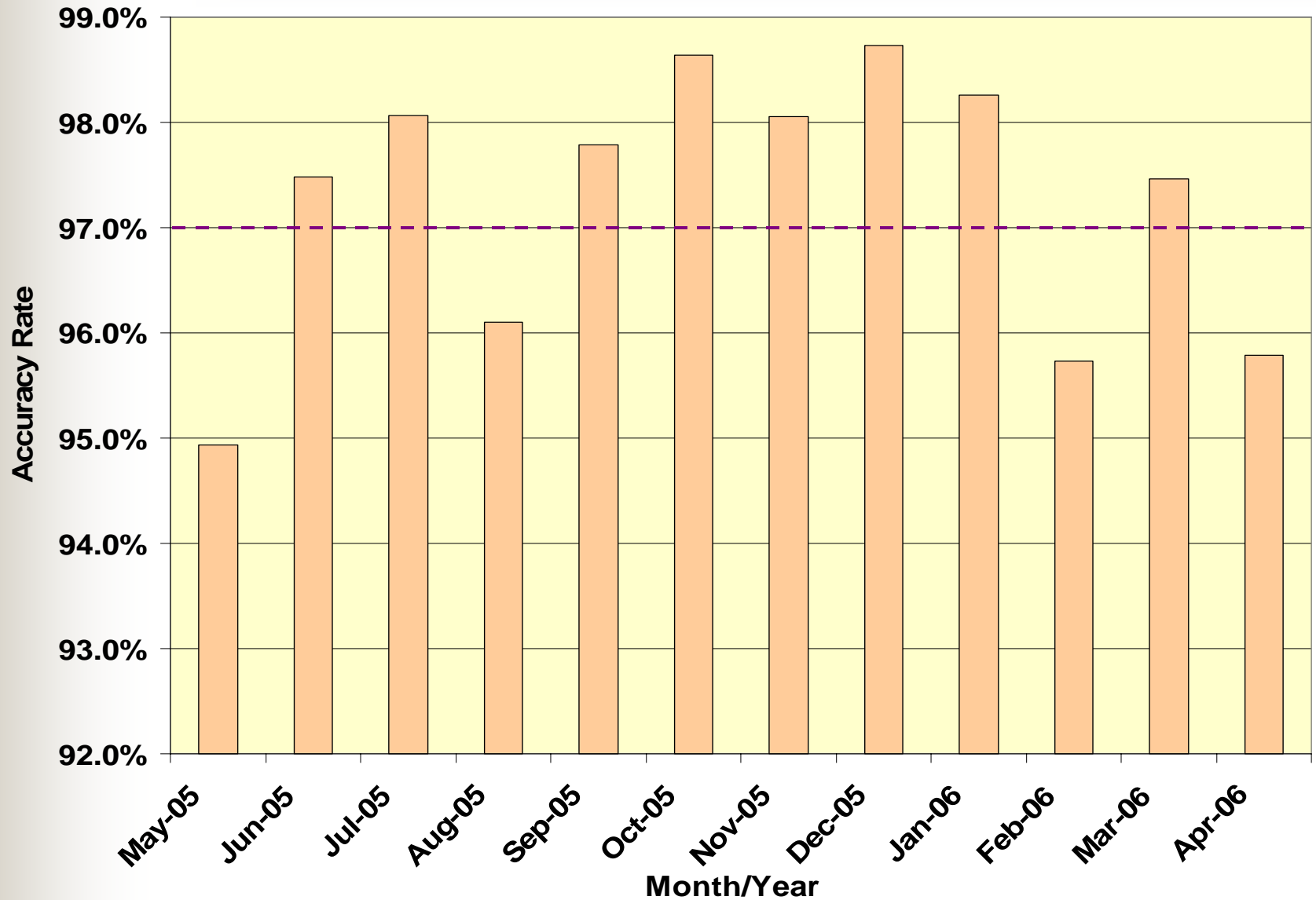
Colon - CS Tumor Size



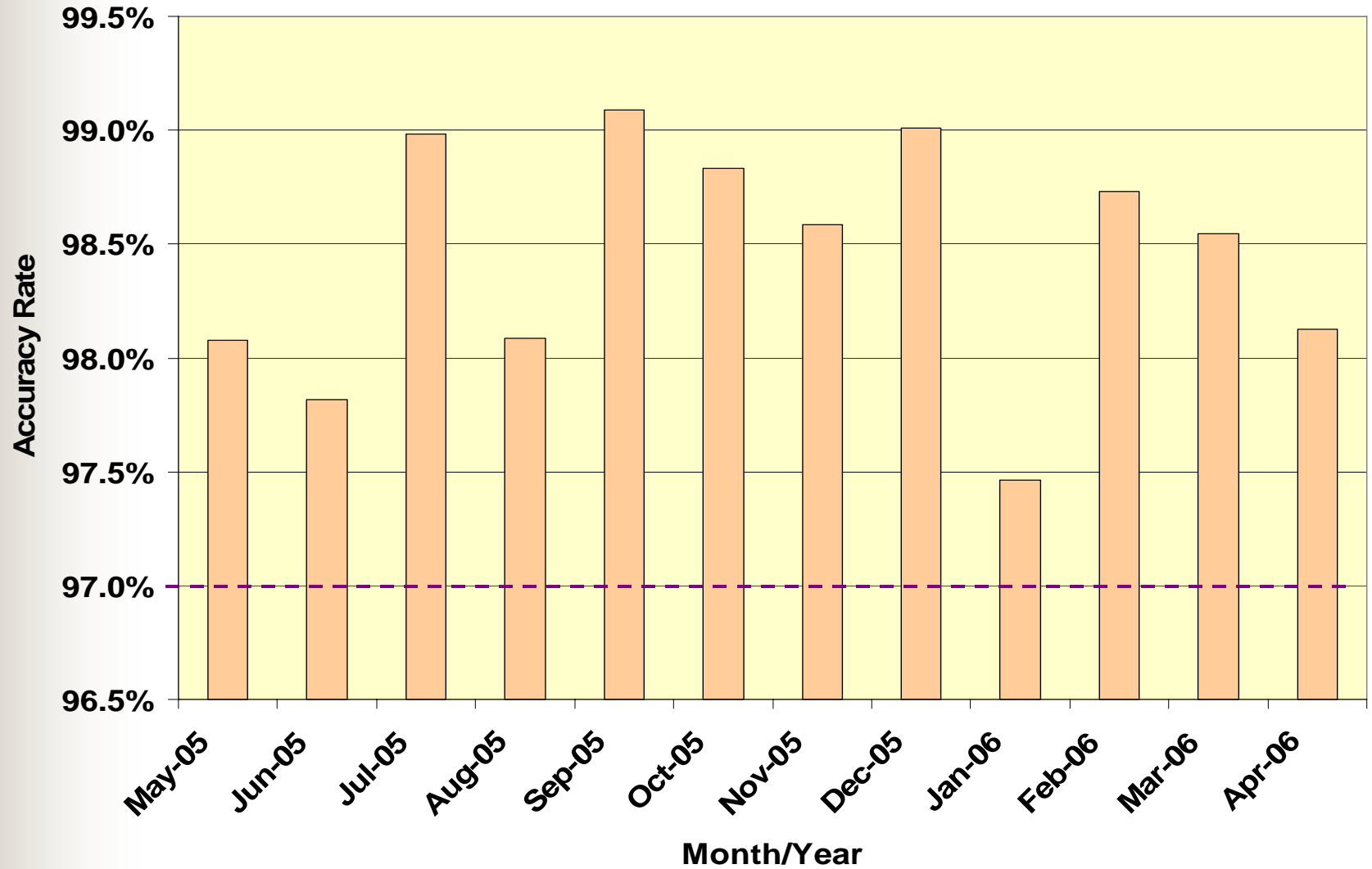
Colon - CS Extension



Colon - CS Lymph Nodes



Colon - CS Mets at Dx

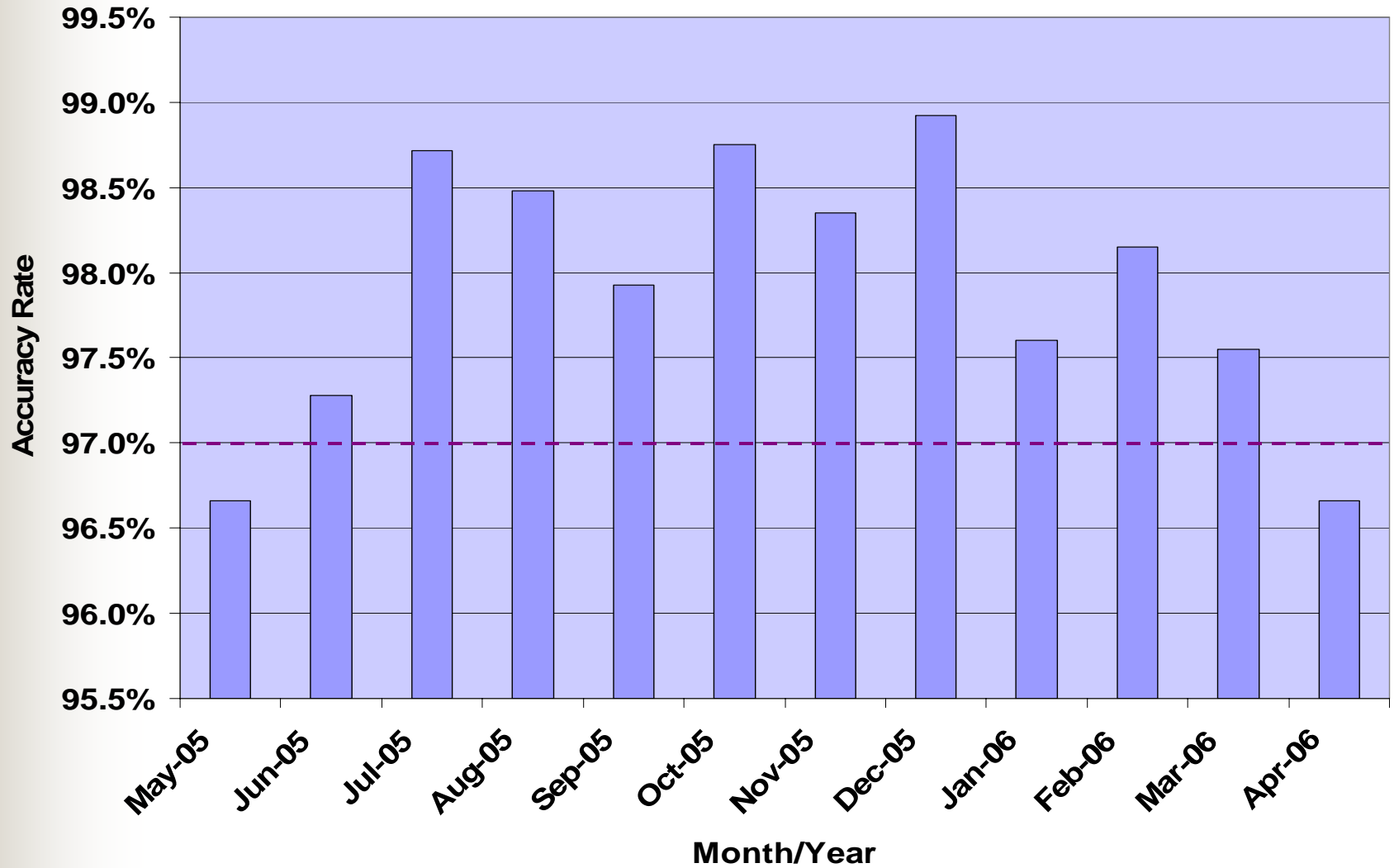




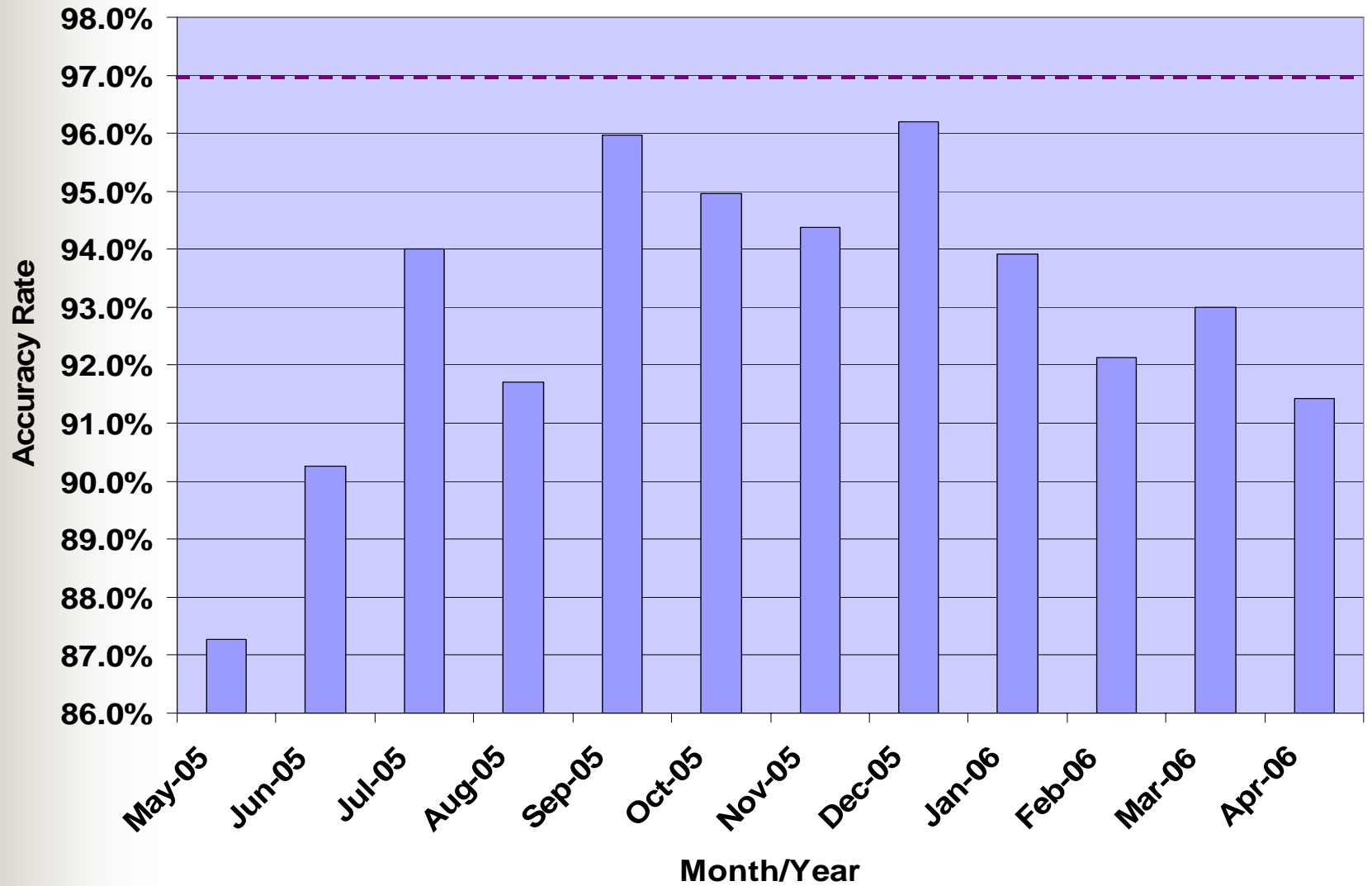
Colon – Site Specific Factor 1 - CEA

- Consistently met the 97% accuracy rate

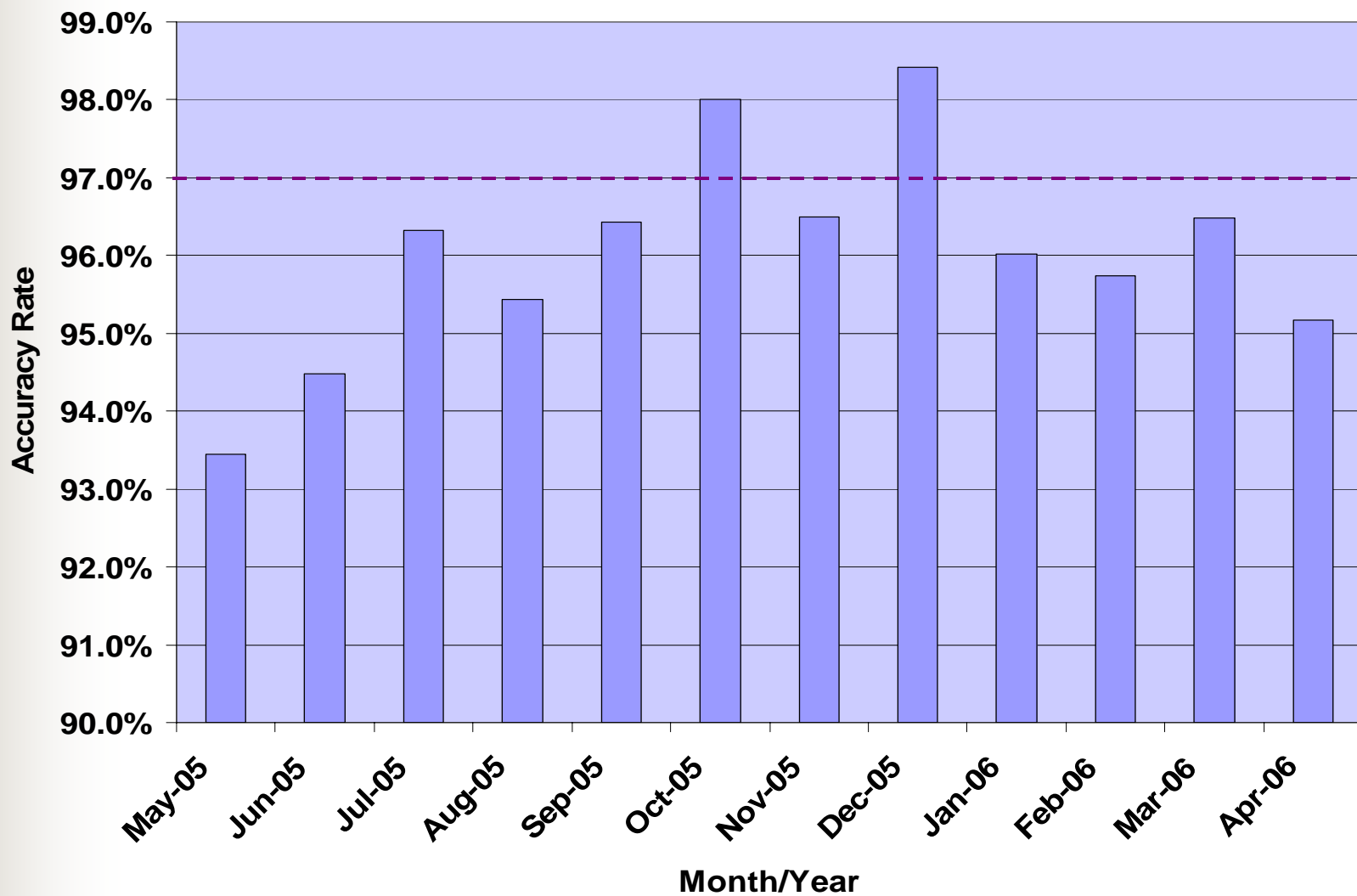
Lung - CS Tumor Size



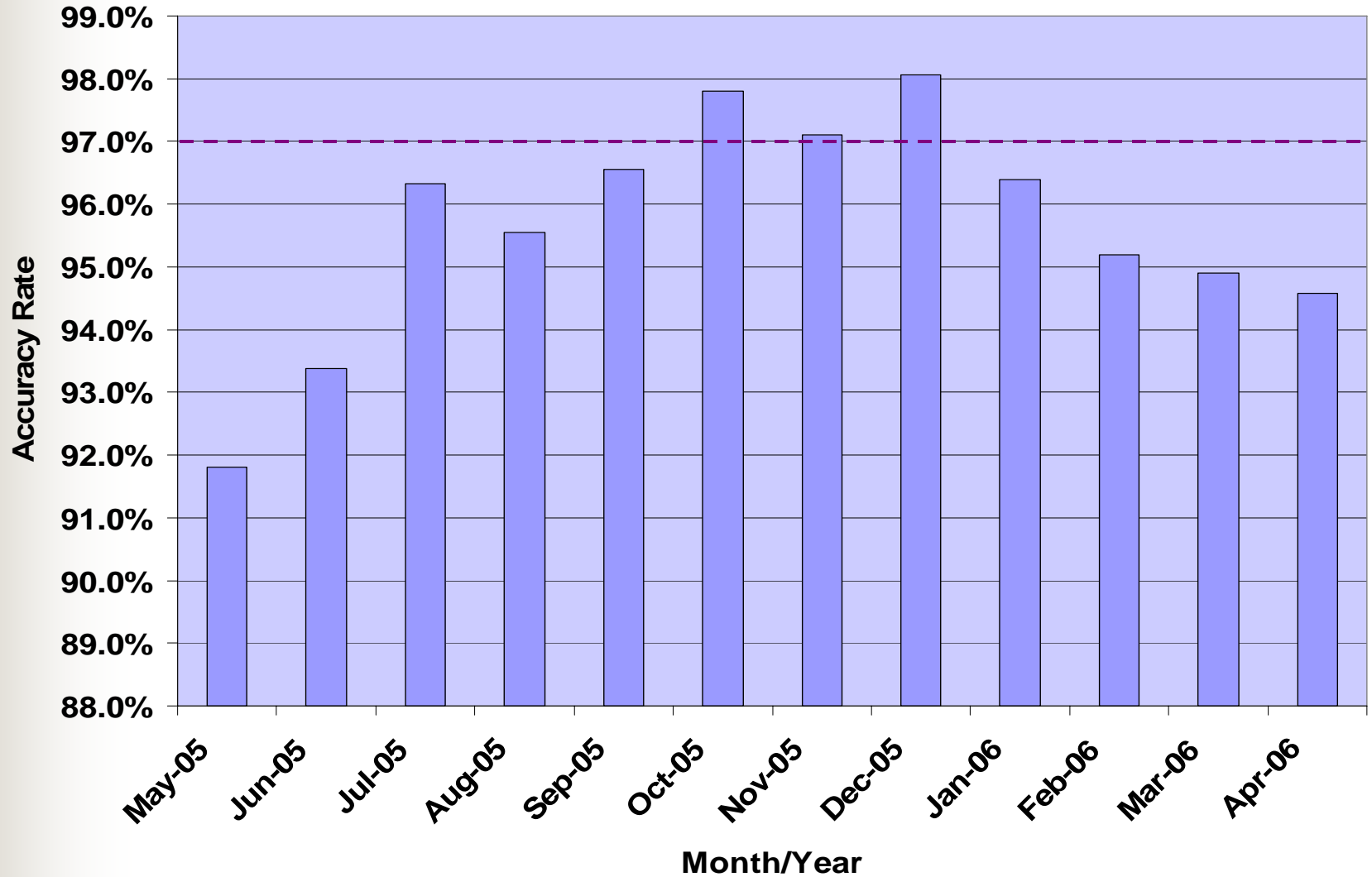
Lung - CS Extension



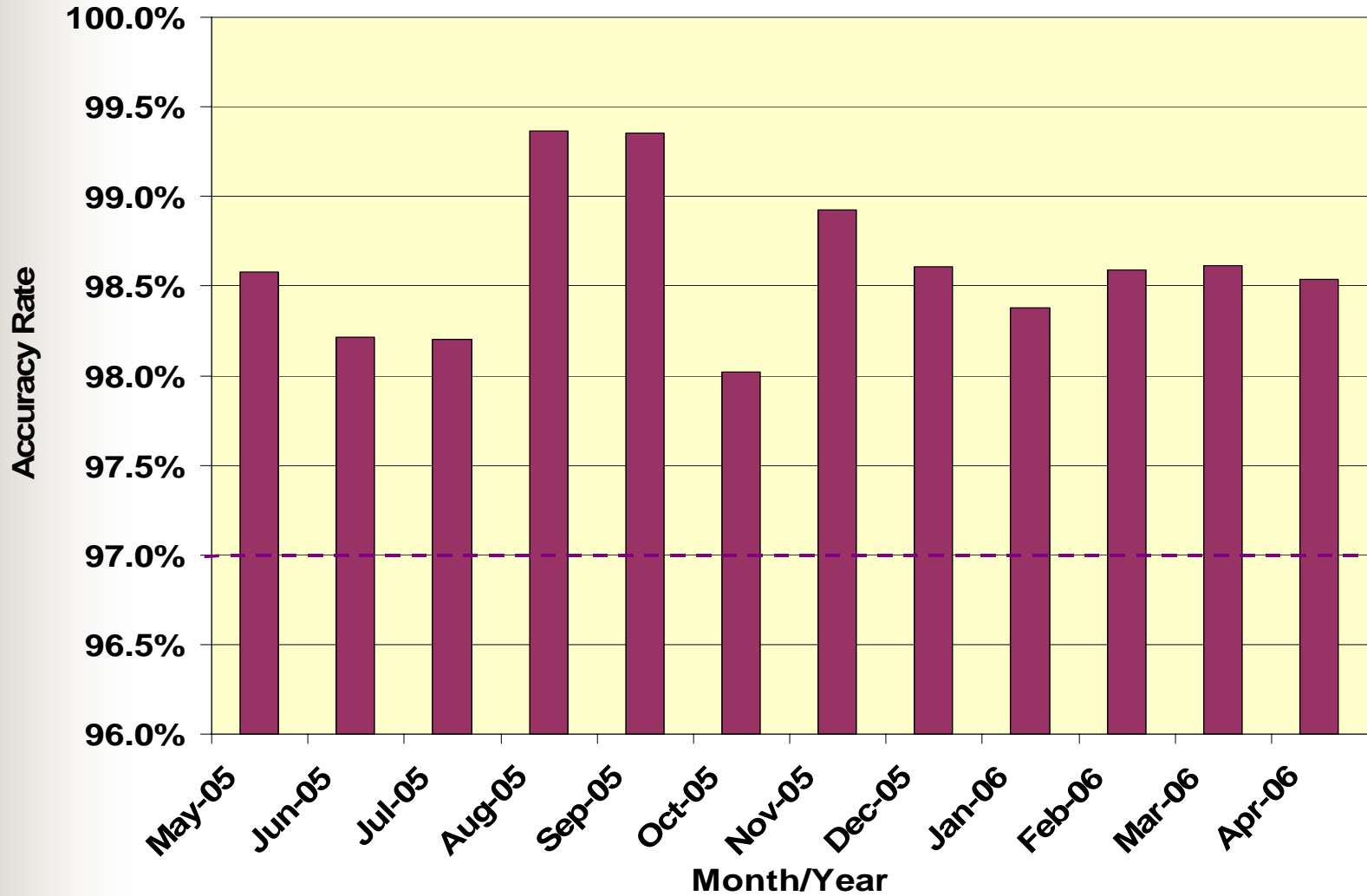
Lung - CS Lymph Nodes



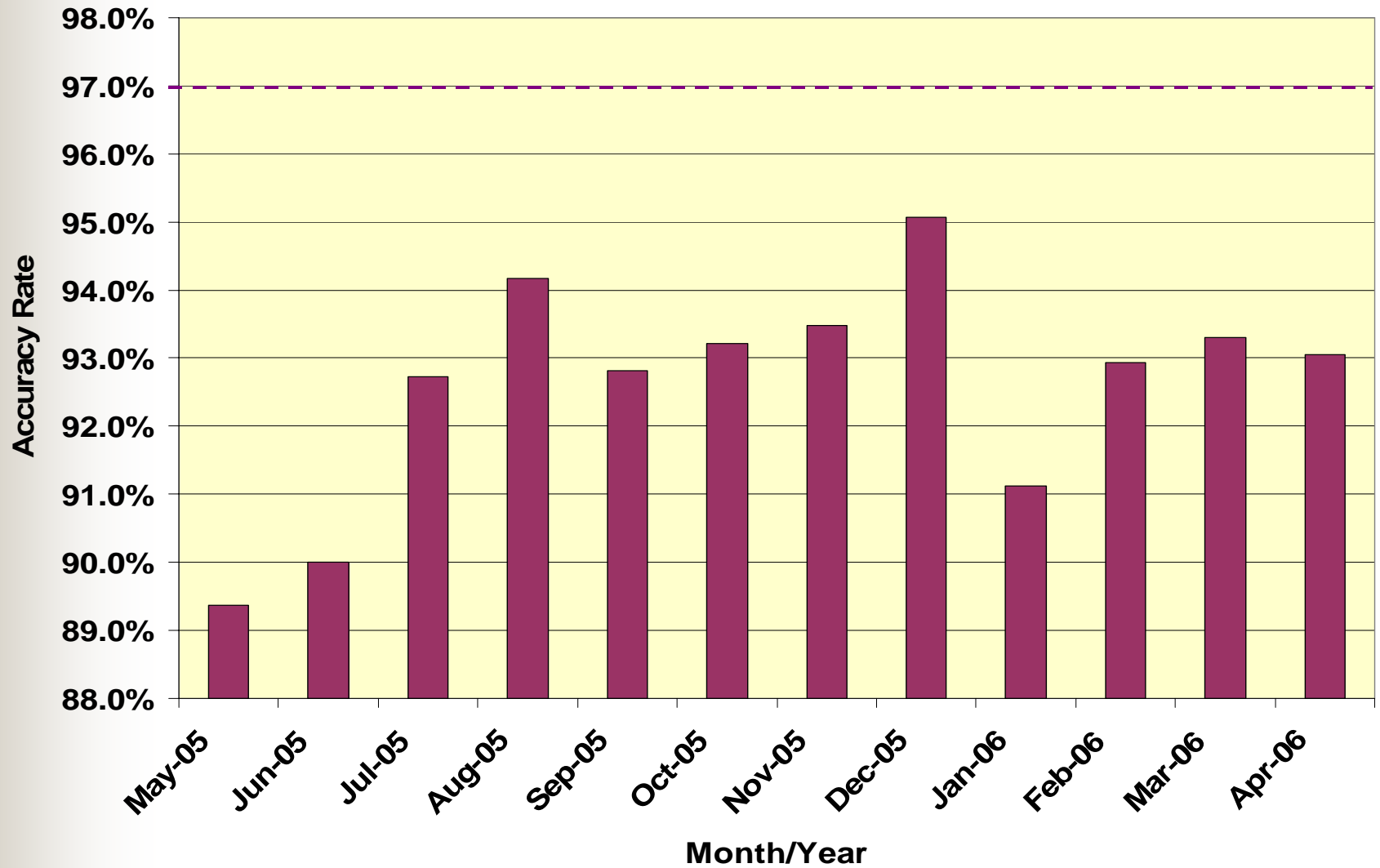
Lung - CS Mets at Dx



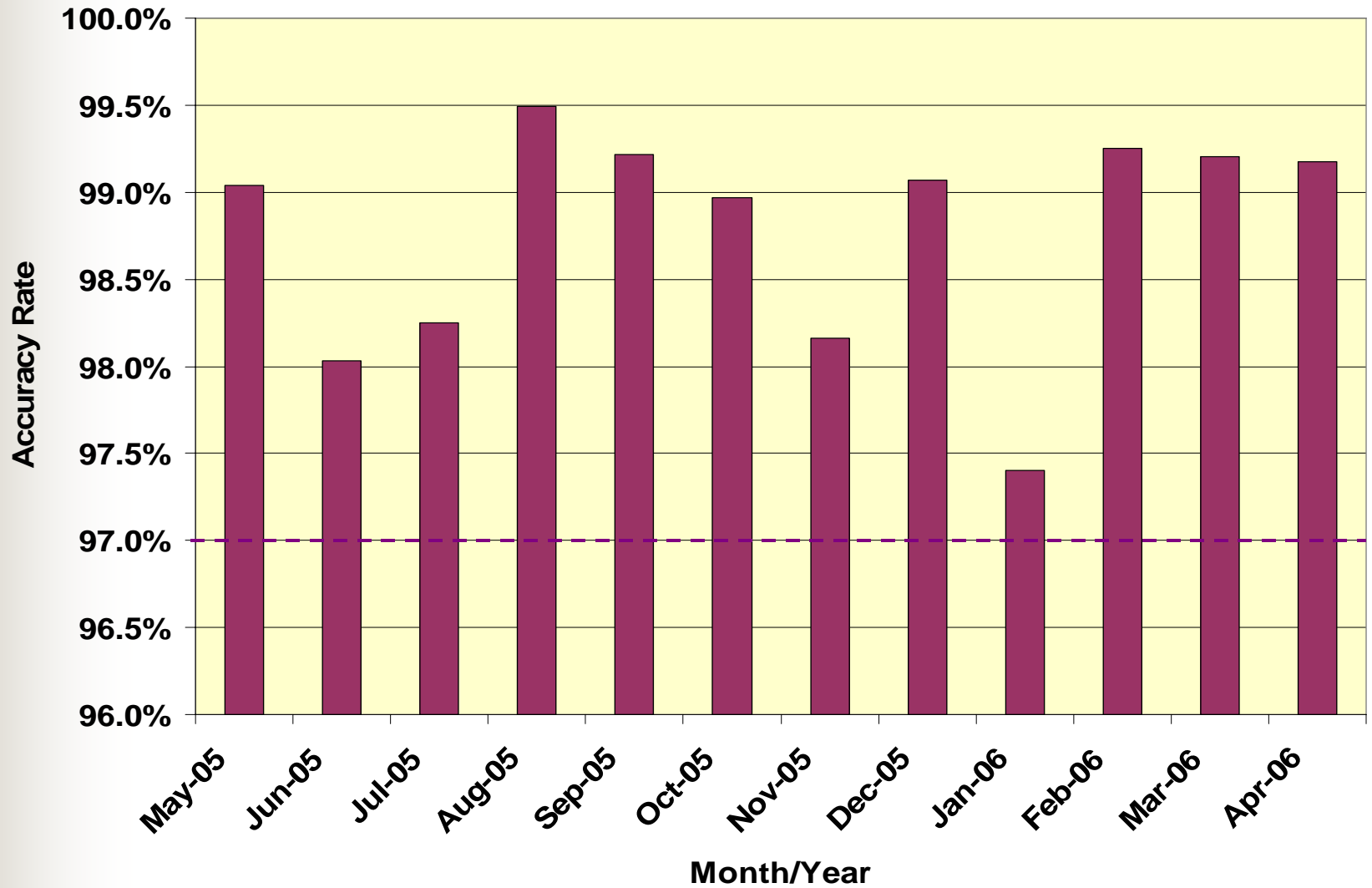
Prostate - CS Tumor Size



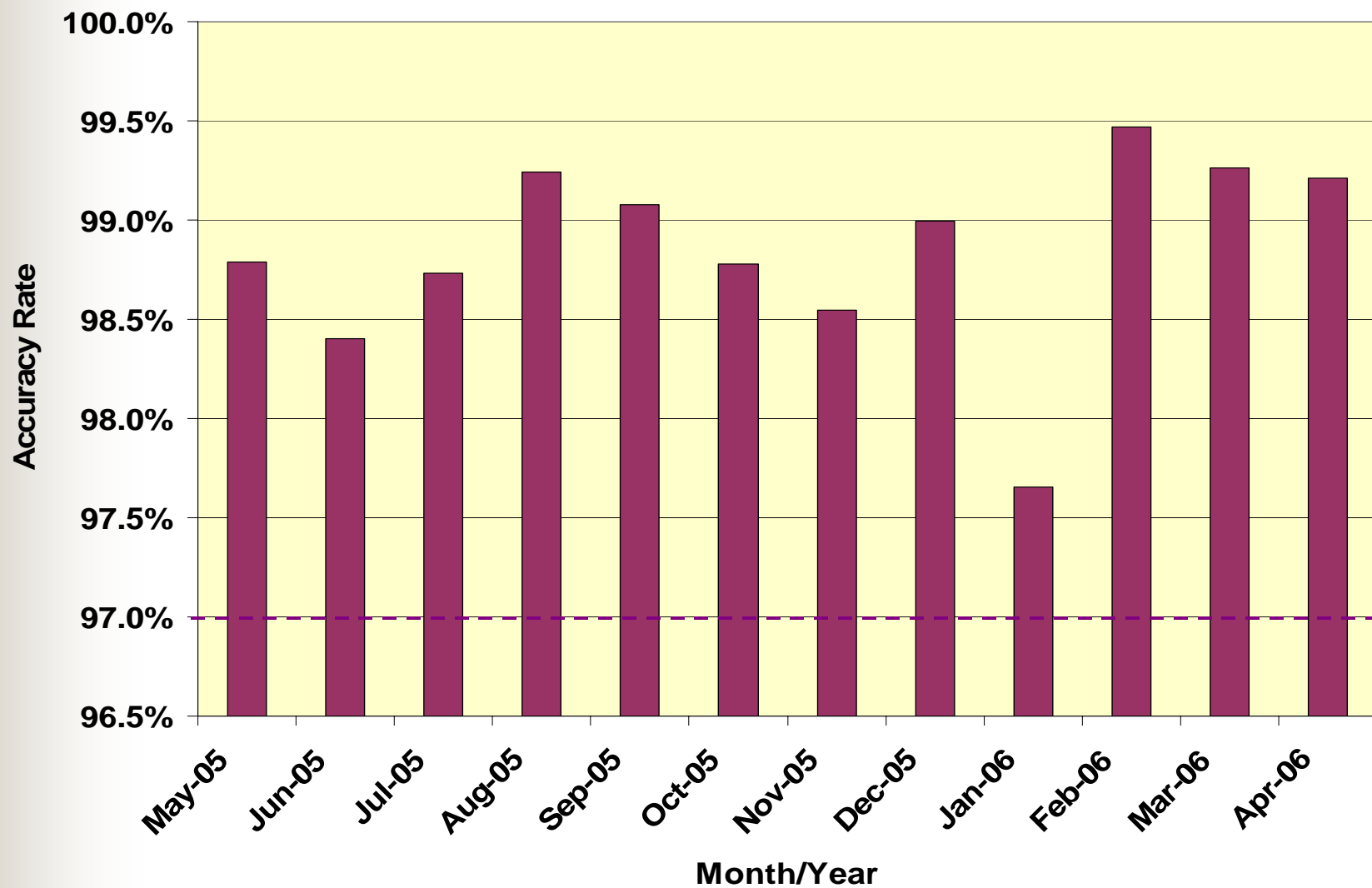
Prostate - CS Extension



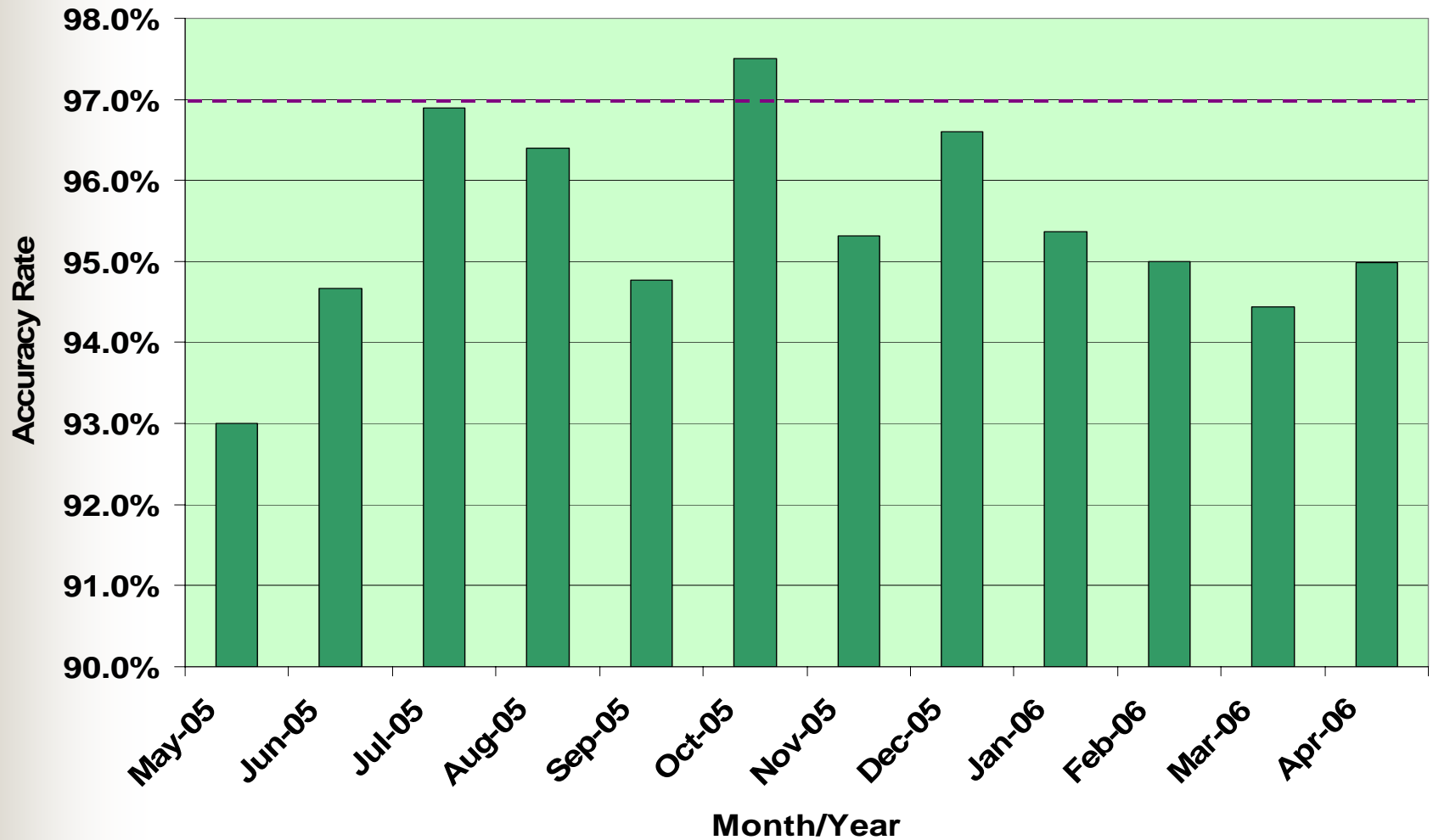
Prostate - CS Lymph Nodes



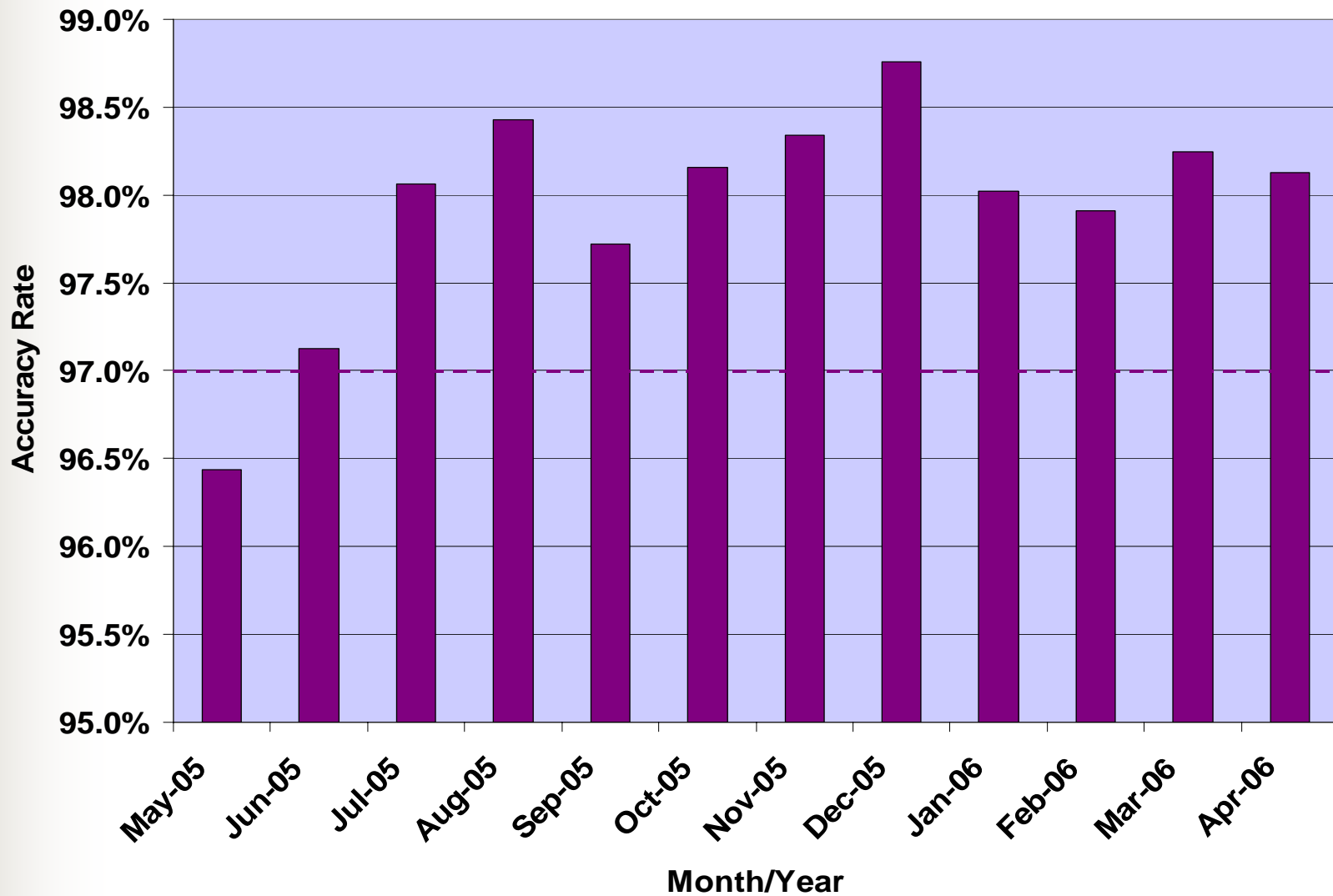
Prostate - CS Mets at Dx



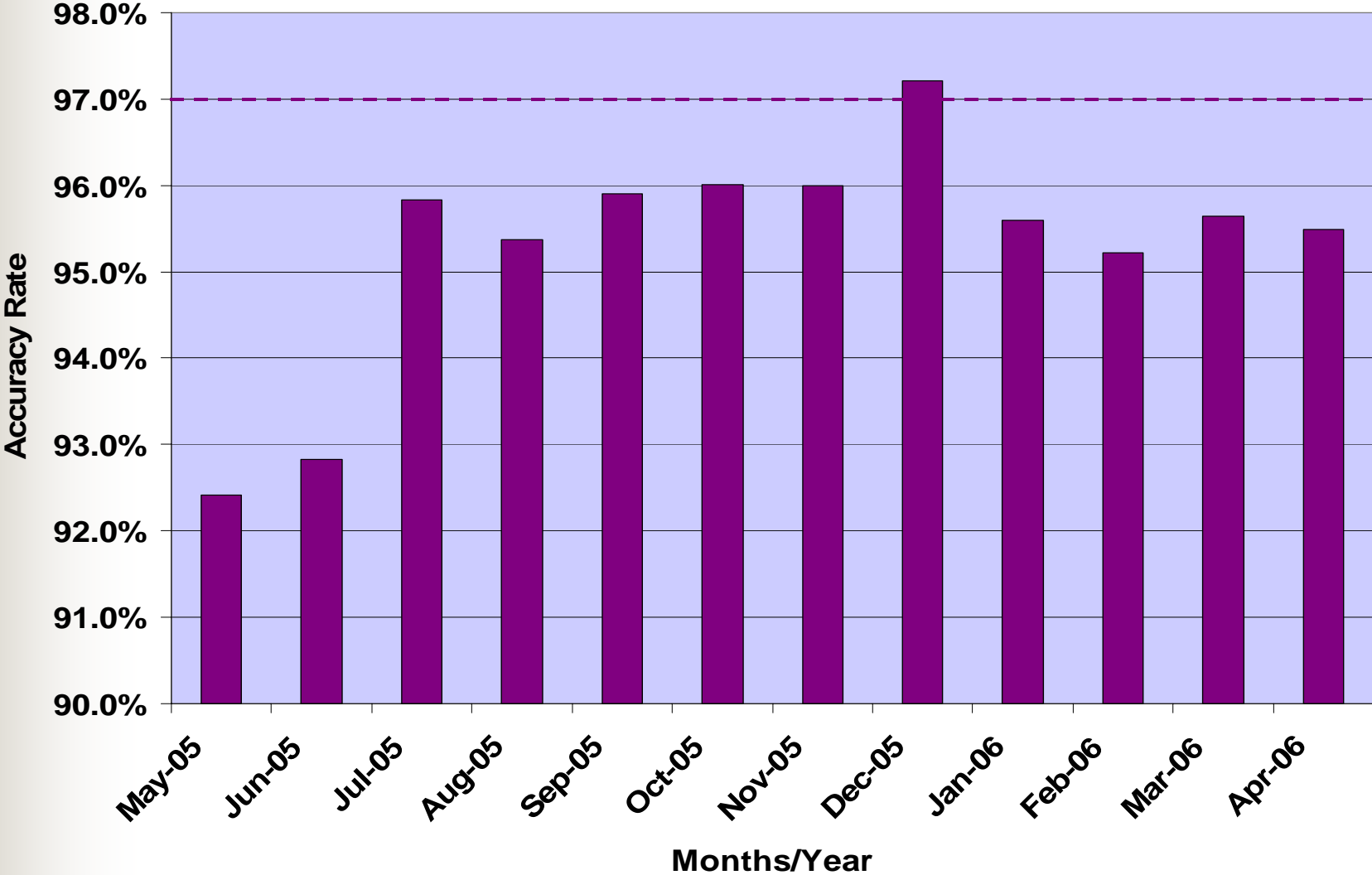
Melanoma - CS SSF 1 - Measured Thickness, Breslow's Measurement



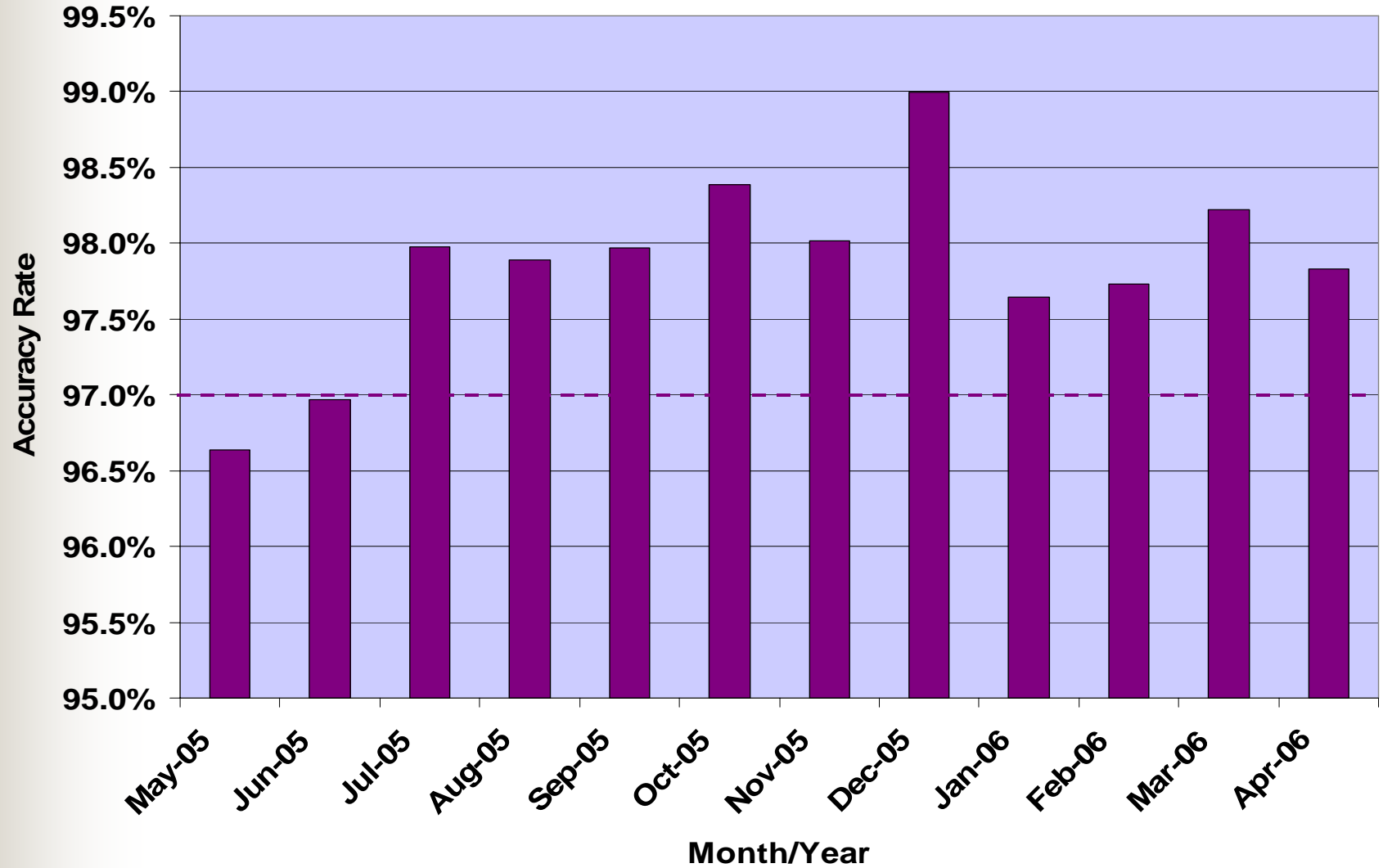
All Sites - CS Tumor Size



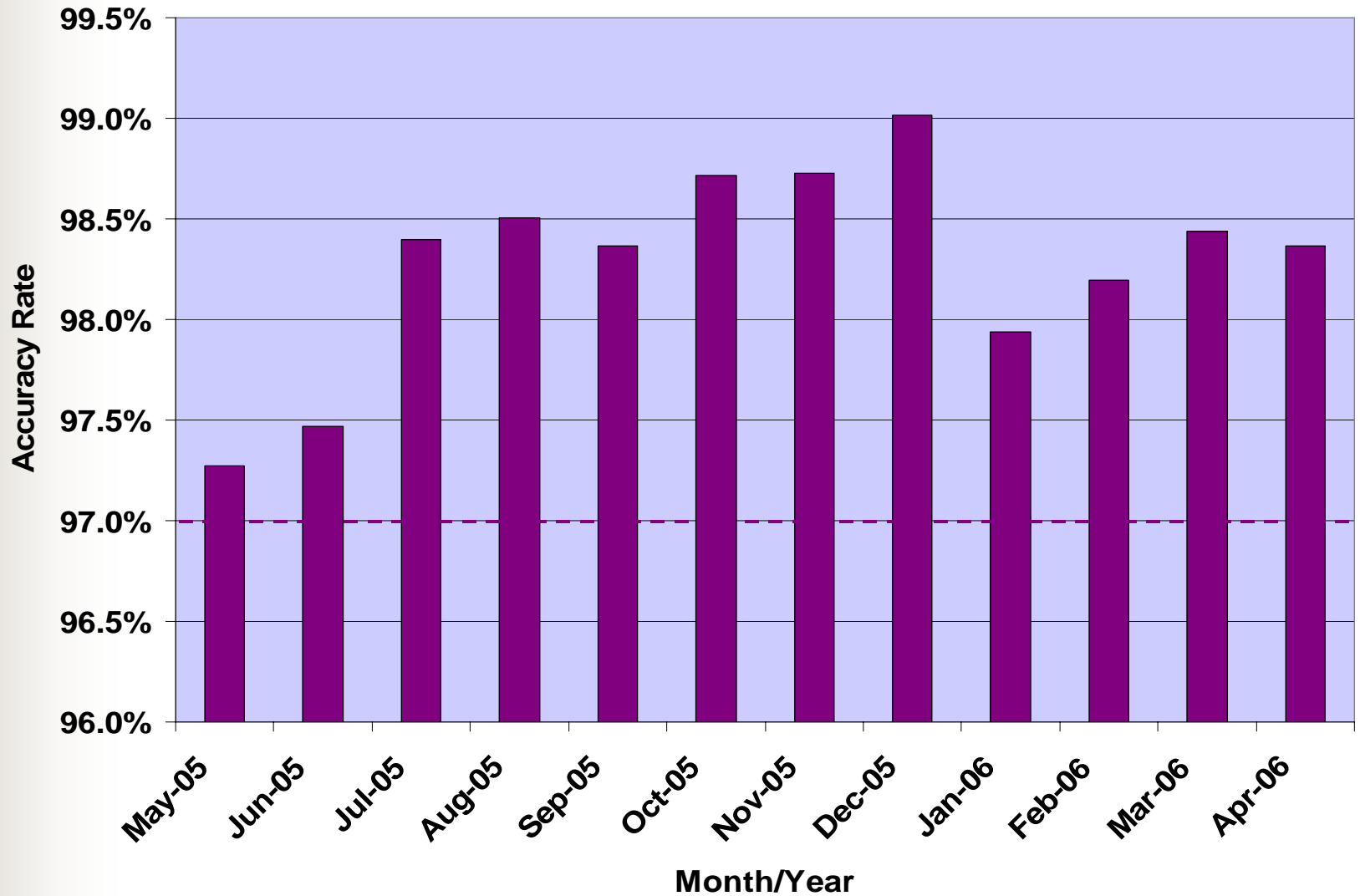
All Sites - CS Extension



All Sites - CS Lymph Nodes



All Sites - CS Mets at Dx





Summary

- Overall, the data reflects favorable preliminary results for accuracy in the CS fields
- Most CS fields for the major sites meet the 97% or higher accuracy rate
- CS Extension continues to be the most challenging field for all sites combined with a 95% overall accuracy rate



Summary

- Follow Up Issues:
 - Assess what the issues are in CS fields with accuracy rates below 97%
 - Provide additional data clarifications/trainings as needed
 - Encourage use of the CCR Inquiry System
 - Closely monitor the CS field accuracy rates, specific to the problematic areas



Acknowledgements

- Scott Riddle, Programmer/Analyst, Cancer Surveillance Program, Region 3
- Dan Curran, Systems Support Manager, CNET Solutions



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- E-mail address:
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- CCR web site:
 - www.ccrca.org
 - Click on Registrar Resources - CCR Inquiry System