

Real Time Data: From Abstraction to Quality Improvement

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Disclosures

- ConMed: Teaching Honoraria
- Intuitive: Teaching Honoraria
- Ethicon: Teaching Honoraria
- Virtual Incision: Consultant

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Quality Improvement

Commission on Cancer

- Cancer Liaison Physician
 - Identify, Analyze, and Present Pertinent Data
- National Cancer Database (NCDB) Usage
 - Identify Quality Improvements
 - Benchmarking
 - Patient Patterns
 - Survival Reports

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Quality Improvement

National Accreditation Program for Rectal Cancer (NAPRC)

- Program Director
 - Analyze and Implement Strategies
 - Monitor Program Estimated Performance Rates
- National Cancer Database (NCDB) Usage
 - Quarterly Reports
 - Continuous Quality Improvement
 - Requires Accountability

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National Cancer Database

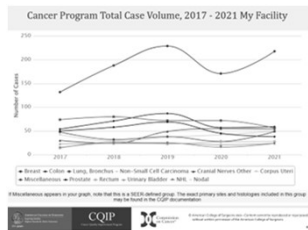
- Rapid Cancer Reporting System (RCRS)
 - Quality Measurements
 - Benchmark Performance Rates
 - Completeness Report
 - 30- and 90-day Mortality Reports
 - Survival Rates per Site

| Primary Site | Measure | Measure Description | Unit | Target | Actual | Meeting Target (%) |
|--------------|---------|--|---------|--------|--------|--------------------|
| Breast | 9436 | For patients with AJCC Stage III breast cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |
| Colon | 4673 | For patients with colon cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |
| ESOPH | 17084 | For patients with esophageal cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |
| Lung | 1277 | For patients with non-small cell lung cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |
| Prostate | 16366 | For patients with prostate cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |
| RECTO | 16030 | For patients with rectal cancer, the first chemotherapy regimen is given before surgery to a maximum extent possible. | PERCENT | 95.0% | 95.0% | 100% |

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National Cancer Database

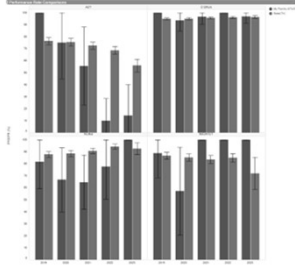
- Cancer Quality Improvement Program (CQIP)
 - Quality Measure Performance Reports
 - Total Case Volumes
 - In/Out Migration
 - Survival Rates



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National Cancer Database

- Hospital Comparison/Benchmarking
 - ACS Division
 - All CoC Programs
 - State
 - Program Category
 - Census



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National Cancer Database


- Site by Stage
 - Volumes per Stage
 - Primary Site
 - Sub-Site

| Digestive: I63 | Stg 0 | Stg I | Stg II | Stg III | Stg IV | unk. | N.A. | All |
|--------------------------------|-------|-------|--------|---------|--------|------|------|-----|
| Esophagus | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 4 |
| Stomach | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 7 |
| Small Intestine | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 7 |
| Colon | 5 | 5 | 11 | 14 | 13 | 11 | 0 | 59 |
| Rectosigmoid Junction | 0 | 2 | 0 | 3 | 0 | 4 | 0 | 9 |
| Rectum | 2 | 1 | 3 | 12 | 2 | 6 | 2 | 38 |
| Anal, Anal Canal and Anorectum | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Liver | 0 | 5 | 4 | 2 | 0 | 2 | 2 | 23 |
| Intrahepatic Bile Duct | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other Biliary | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Pancreas | 0 | 3 | 1 | 0 | 13 | 2 | 2 | 21 |
| Other Digestive Organs | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| TOTAL | 7 | 20 | 21 | 31 | 37 | 37 | 10 | 163 |

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National Cancer Database

- Survival Reports
 - Ability to be Filtered by:
 - Site
 - Stage
 - Diagnosis Year
 - Age
 - Sex



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Key Takeaways

- Use of National Cancer Database is Required in Multiple Accreditations
- National Cancer Database includes:
 - Rapid Cancer Reporting System (RCRS)
 - Cancer Quality Improvement Program (CQIP)
 - Hospital Comparison Benchmark Reports
 - Site by Stage
 - Survival Reports
- Used in Quality Improvement and Benchmarking

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Thank you

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