

Lung Cancer Program Resource Grid

This grid outlines Oncology Roundtable guidance on the resources required to develop a basic, intermediate, and advanced lung cancer program. It provides a framework for initial discussions on resource investment and program implementation. Data included represent key differentiating factors by program status but are not exhaustive. Leveraging internal clinical expertise prior to using this grid will allow you to enhance and customize it to reflect your institution's priorities and physician feedback.

Ratings are provided for each category indicating the relative importance of that program characteristic to the tumor site in question.



Program Feature	Basic	Intermediate	Advanced
3 Leadership Infrastructure	<ul style="list-style-type: none"> No formalized leadership team 	<ul style="list-style-type: none"> Physician champion Administrative program coordinator 	<ul style="list-style-type: none"> Medical director Program steering committee
4 Care Coordination	<ul style="list-style-type: none"> Access to nurse navigator Retrospective tumor board Consultations and diagnostics not coordinated 	<ul style="list-style-type: none"> Dedicated lung nurse navigator Portion of cases presented at prospective treatment planning conference Lung nodule clinic Coordinated consultations and diagnostics 	<ul style="list-style-type: none"> Multidisciplinary clinics in which patient evaluation is completed Formal method for determining case inclusion in a prospective treatment planning conference or 100% of cases presented
3 Treatment Approach	<ul style="list-style-type: none"> Adherence to nationally recognized guidelines 	<ul style="list-style-type: none"> Active discussion of, and concordance with, nationally recognized guidelines 	<ul style="list-style-type: none"> Complete integration of nationally recognized guidelines or clinical pathways
3 Patient Engagement	<ul style="list-style-type: none"> Ad hoc shared decision making Access to decision aids Education classes (e.g., chemotherapy orientation) Educational information available to patients 24/7 via online portals Point of contact available to answer patient questions 	<ul style="list-style-type: none"> Standardized approach to shared decision making, Caregiver engagement and support Access to robust in person educational resources Patients are provided guidance about conducting effective online research 	<ul style="list-style-type: none"> Regular use of decision aids Counselor meets with all patients Patient education priorities assessed periodically throughout treatment
3 Clinical Expertise	<ul style="list-style-type: none"> General surgeons Pulmonologists Radiologists 	<ul style="list-style-type: none"> Cardiothoracic surgeons Interventional pulmonologists Interventional radiologists Palliative care specialists 	<ul style="list-style-type: none"> Dedicated thoracic surgeons Interventional pulmonologists dedicated to oncology Subspecialized medical oncologists and radiation oncologists Semi-dedicated pathologists
4 Diagnostic Technology	<ul style="list-style-type: none"> Bronchoscopy Mediastinoscopy Core needle biopsy Multidetector PET/CT 	<ul style="list-style-type: none"> Transbronchial needle aspiration Endobronchial ultrasound Endobronchial ultrasound-guided transbronchial needle aspiration (EBUG) 	<ul style="list-style-type: none"> Electromagnetic navigation bronchoscopy (ENB)
2 Treatment Technology	<ul style="list-style-type: none"> 3DCRT IMRT IGRT Multidetector PET/CT Tumor marker testing (e.g. EGFR, ALK) 	<ul style="list-style-type: none"> HDR brachytherapy SBRT 4D CT simulation Respiratory gating 	<ul style="list-style-type: none"> Radiofrequency ablation Interventional oncology (e.g., cryoablation) Proton beam therapy¹ Video-assisted thoracic surgery Next generation sequencing¹
3 Research	<ul style="list-style-type: none"> No lung cancer-specific clinical trials 	<ul style="list-style-type: none"> Few lung cancer-specific clinical trials Access to clinical trial networks Data management support on a limited basis 	<ul style="list-style-type: none"> Active lung cancer-specific clinical research Collaboration with other entities (e.g., NCI) Dedicated data management support
3 Quality Improvement	<ul style="list-style-type: none"> Retrospective data analysis from tumor registry data Data analysis leveraged from individual initiatives Participation in national benchmarking initiatives (e.g., CP3R) 	<ul style="list-style-type: none"> Internal benchmarking Actionable lung cancer-specific dashboards Data analyses sometimes leveraged to inform program (re)design 	<ul style="list-style-type: none"> Dedicated lung tumor registrar Real-time data updates Dedicated lung cancer data mart Data analyses actively inform program (re)design Part-time data/analytic support
4 Support Services ²	<ul style="list-style-type: none"> Basic nutrition education Access to support groups Palliative care provided as needed 	<ul style="list-style-type: none"> Standardized nutrition referrals Lung cancer-specific distress screening during treatment Pulmonary prehabilitation and rehabilitation Palliative care clinicians attend multidisciplinary treatment planning conferences Automated palliative care referral triggers Financial counseling 	<ul style="list-style-type: none"> Comprehensive nutrition program After-hours symptom management Complementary and alternative medicine or services Palliative care provided for all patients, beginning at diagnosis Advance care plans created for all patients
2 Survivorship	<ul style="list-style-type: none"> Survivorship care plan 	<ul style="list-style-type: none"> Survivorship support services 	<ul style="list-style-type: none"> Dedicated survivorship clinic
4 Screening ³	<ul style="list-style-type: none"> Low-dose multidetector CT Access to nurse navigator Counseling and education on shared decision making provided Data reporting via CMS-approved registry Standardized nodule identification and classification system 	<ul style="list-style-type: none"> Dedicated nurse navigator Dissemination of screening information to all referring physicians and current patients with appropriate risk factors Active management of incidental findings Decision aid used with patients 	<ul style="list-style-type: none"> Comprehensive screening management program Comprehensive program to manage incidental findings throughout system Partnerships with local employers offering education or smoking cessation counseling Dedicated program dashboard, includes financial (screening and downstream), operational, and clinical quality data
3 Outreach	<ul style="list-style-type: none"> Information on lung cancer risk, treatment, and screenings available on-site 	<ul style="list-style-type: none"> Dissemination of lung cancer information to all referring physicians and current patients with appropriate risk factors Community education sessions Hospital-sponsored outreach events 	<ul style="list-style-type: none"> Education on post-treatment survivorship care for community providers
2 Prevention/Risk Assessment	<ul style="list-style-type: none"> Assessment of risk based on family and smoking history Smoking cessation counseling available 	<ul style="list-style-type: none"> Patients provided access to genetic counseling Comprehensive smoking cessation counseling 	<ul style="list-style-type: none"> Dedicated high-risk clinic for lung patients

1) Still in research and development.
 2) Support services are made available to lung cancer patients but are not necessarily dedicated exclusively to them.
 3) For more information on screening, see our Lung Cancer Screening Program Resource Grid.

Source: Oncology Roundtable interviews and analysis.