

PULMONARY

1. Manage patients with acute complex respiratory disease in an ambulatory, emergency, or inpatient setting

Additionally, managing complex patients requires:

- Utilizing specialized knowledge and experience to determine the optimal course of treatment for acute manifestations of complex respiratory disease
- Addressing co-morbidities often present in complex patients, particularly those affected by the acute process. This includes case management issues such as special resources required during and post –the acute phase of illness.
- Coordinating care with the inter-disciplinary health care team. The complex child in the inpatient setting requires the input of the many professionals on the health care team (e.g. nutritionist, pharmacist, advanced practitioner, discharge planner, social worker, etc.); thus, the entrusted professional must be able to communicate and partner with both inter- and intra-professionals.

Managing uncertainty (your own as well as that of the patient and family) as much of the care for these patients is not known or determined clearly in the evidence

1	Trusted to observe only
2	Trusted to execute with direct supervision and coaching
3	Trusted to execute with indirect supervision and discussion of information for most simple and some complex cases
4	Trusted to execute with indirect supervision but may require discussion of information for a few complex cases
5	Trusted to execute independently without supervision

2. Manage patients with complex chronic respiratory disease through all settings and phases of life

Additionally, managing complex patients requires:

- The ability to work effectively in various health care settings to develop a long-term management plan incorporating the input of the many professionals within the health care team (i.e. other physicians, nurses, nutritionists, physical therapists, speech therapists, advanced practitioners, social workers, and home health care agencies).
- Utilization of outcome measurements and evidenced based medicine to direct all care plans and adjust as new information is obtained.
- The capability to manage all home respiratory equipment and effectively translate its use to more acute settings as needed.
- Continual assessment of all co-morbid conditions which may be a consequence of the disease process or a consequence of the medications used to treat the disease and engage in sound clinical reasoning that all drive the refinement of the differential diagnosis and continued work-up for patients.
- Ability to effectively interpret and perform all procedures such as PFT interpretation and implementation of bronchoscopy when medically appropriate for evaluation of the patient's status.
- Advocacy for quality care including knowledge of when to enlist end of life or palliative care measures or allow for transition to adult care clinics.

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3. Demonstrate competence in communicating a new diagnosis of a life altering disease using a patient and family centered approach

The functions of this professional activity includes:

- Medical Knowledge- requires an understanding of the common and complicated aspects of the diagnosis, management and treatment of the disease.
- Patient care- the physician must develop an initial care plan for the patient and begin to manage the disease.
- Interpersonal and communication skills- this activity focuses on the verbal and non-verbal bidirectional communication necessary for delivering the diagnosis in the most effective way.
- Professionalism- a successful encounter can positively impact the patient and family experience; thus, the physician must be able to perceive, understand and manage the emotional and human response to the difficult news. The physician must have the self -confidence to deliver the bad news and put the patient at ease.

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3	Trusted to execute with indirect supervision with discussion of information for most simple and some complex cases
4	Trusted to execute with indirect supervision but may require discussion of information for a few complex cases
5	Trusted to execute independently without supervision

4. Manage the use of supplemental respiratory equipment such as oxygen, ventilators, and airway clearance devices.

The functions required of this activity include:

- Select the appropriate oxygen delivery device, flow, and fraction of inspired oxygen according to patient needs.
- Distinguish the indications of different interfaces, settings, and modes in various models of invasive and noninvasive ventilator support.
- Interpretation of testing that assesses ventilation and oxygenation status; such as physical exam, blood gas, pressure and volume ventilator readings, pulse oximetry and polysomnography.
- Select appropriate airway clearance devices to improve mucociliary clearance.
- Assess and document ongoing need for supplemental respiratory equipment and develop weaning plans when appropriate.
- Communicate and coordinate care with health care professionals, home health, and insurance personnel.

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4	Trusted to execute with indirect supervision but may require discussion of information for a few complex cases
5	Trusted to execute independently without supervision

5. Demonstrate competence in performing the common procedures of the pediatric pulmonary subspecialist.

In addition to technical skills, performing procedures requires:

- Medical knowledge including: the anatomy, physiology, indications, risks, benefits, alternatives, and potential complications of the procedure,
- Management of post-procedure complications.
- Management of pain and sedation for the procedure.
- Interpretation of results of the procedure as indicated.
- Communication with the patient and family that insures informed consent as well as post procedure instructions.
- Confidence that puts patients and families at ease

1	Trusted to observe or assist
2	Trusted to execute with direct supervision and coaching
3	Trusted to execute with indirect supervision for most simple cases and some complex cases
4	Trusted to execute with indirect supervision but may require discussion or direct supervision at critical portions for a few complex cases
5	Trusted to execute independently without supervision