

Immunosuppressed Inpatient SARS-CoV-2 (COVID-19) and Respiratory Viral Testing Guidelines

These guidelines are intended to provide guidance on testing for SARS-CoV-2 and other respiratory viruses among immunocompromised patients. As you are all aware, this is a rapidly evolving situation and testing guidance will be updated accordingly depending on community transmission dynamics and test capacity. **Do not ignore other signs and symptoms during this COVID-19 period, as patients with fever and signs of infection should be treated by current guidelines (e.g. neutropenic fever, sepsis) by inpatient services.**

Clinical Criteria	SARS-CoV-2 PCR Test?	Rapid Flu/ RSV or Extended Respiratory Viral PCR Test?	Infection Control Precautions
Asymptomatic (absence of any of the below symptoms)	YES (on admission and pre- aerosol generating procedure)	NO	Standard Precautions
No respiratory symptoms <u>BUT</u> Fever or other symptoms (anosmia, dysgeusia, new-onset diarrhea)	YES	NO	Special Droplet + Contact Precautions (+/- Enteric Precautions)
Respiratory symptoms*	YES – <ul style="list-style-type: none"> • All SCCA Patients • All Solid Organ Transplant Patients • Other Immunosuppressed Patients** • Increased Risk Due to Medical Comorbidities*** 	YES – Extended Respiratory Viral PCR Test <ul style="list-style-type: none"> • BMT/ IMTX, hematologic malignancy • Lung Transplant Patients Rapid Influenza/RSV Testing Only – <ul style="list-style-type: none"> • Other Solid Organ Transplant Patients • Other Immunosuppressed Patients** • Increased Risk Due to Medical Comorbidities*** 	Special Droplet + Contact Precautions
Chest CT with new ground glass opacities WITH OR WITHOUT symptoms	YES <ul style="list-style-type: none"> • All SCCA Patients • All Solid Organ Transplant Patients 	YES – Extended Respiratory Viral PCR Test <ul style="list-style-type: none"> • BMT/ IMTX, hematologic malignancy • ALL SOT Patients 	Special Droplet + Contact Precautions

Refer to Infection Prevention Guidelines for removing patients from precautions.

*Respiratory symptoms: cough, shortness of breath, wheezing, sore throat, congestion, runny nose, myalgias

**Other immunosuppressed: Biologic agents for immunosuppression, steroids >0.5mg/kg/day prednisone equivalent, congenital or acquired immunodeficiency

***Medical comorbidities: Age >60, diabetes, CKD, pregnancy, lung cancer, chronic lung disease, cirrhosis

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Document Owner(s): Catherine Liu, MD; Steve Pergam, MD		
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