

Supplemental Online Content

Rao S, Lee GM, Razzaghi H, et al. Clinical features and burden of postacute sequelae of SARS-CoV-2 infection in children and adolescents. *JAMA Pediatr*. Published online August 15, 2022. doi:10.1001/jamapediatrics.2022.2800

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Code Sets for Systemic and Syndromic Features of PASC and Medication Therapeutic Classes Associated With PASC

	Syndromic (symptoms, signs, non-specific laboratory abnormalities)	Systemic (diagnosed health conditions)	Medication Therapeutic Classes
Clinically predicted and empirically supported (i.e., lower limit of the 95% CI for the outcome was greater than 1)	<ul style="list-style-type: none"> • Other changes in smell/taste • Loss of smell • Hair loss • Chest pain • Abnormal liver enzymes • Generalized pain • Anxiety symptoms • Skin rashes • Fever/chills • Cardiorespiratory signs/symptoms • Fatigue/malaise • Diarrhea • Allergies • Skin signs/symptoms • Nausea and vomiting • General signs and symptoms • Genitourinary signs and symptoms 	<ul style="list-style-type: none"> • COVID-19 • Multisystem inflammatory syndrome • PASC • Acute respiratory distress syndrome • Myocarditis • Myositis • Mental health treatment • Fluid/electrolyte disturbance • Disorders of teeth/gingiva • Other/ill-defined heart disease • Acute kidney injury • Thrombophlebitis and thromboembolism • Pneumonia • Bronchiolitis • Tonsillitis • Other/specified inflammatory condition of skin • Obesity • Communication/motor disorders • Respiratory failure • Gastroenteritis 	<ul style="list-style-type: none"> • Antiarrhythmics, Class I and III • Antiemetics/antinauseants • Antiinflammatory and antirheumatic agents in combination • Cough and cold preparations • Systemic corticosteroids • Corticosteroids with antiseptics • Decongestants • Direct acting antivirals • Hypnotics/sedatives • Opioids • Parasympathomimetics • Propulsives • Cough suppressants and expectorants, combinations • Nasal decongestants for systemic use
Clinically predicted but not empirically supported	<ul style="list-style-type: none"> • Abdominal pain • Abdominal signs and symptoms • Anger and aggression • Anorexia • Anxiety disorder • Arthralgia • Attention symptoms • Balance problems 	<ul style="list-style-type: none"> • Academic developmental disorder • Addison disease • Alopecia areata • Antiphospholipid syndrome • Aplastic anemia • Appendicitis • Arrhythmias • Arthritis • Asthma • Attention deficit hyperactivity disorder 	<ul style="list-style-type: none"> • ACE Inhibitors, plain • Adrenergics, inhalants • Antidepressants • Antiepileptics • Antihistamines for systemic use • Antiinflammatory agents • Antimigraine preparations • Antithrombotic agents • Beta blocking agents • Drugs for peptic ulcer and gastro-oesophageal reflux disease (GORD)

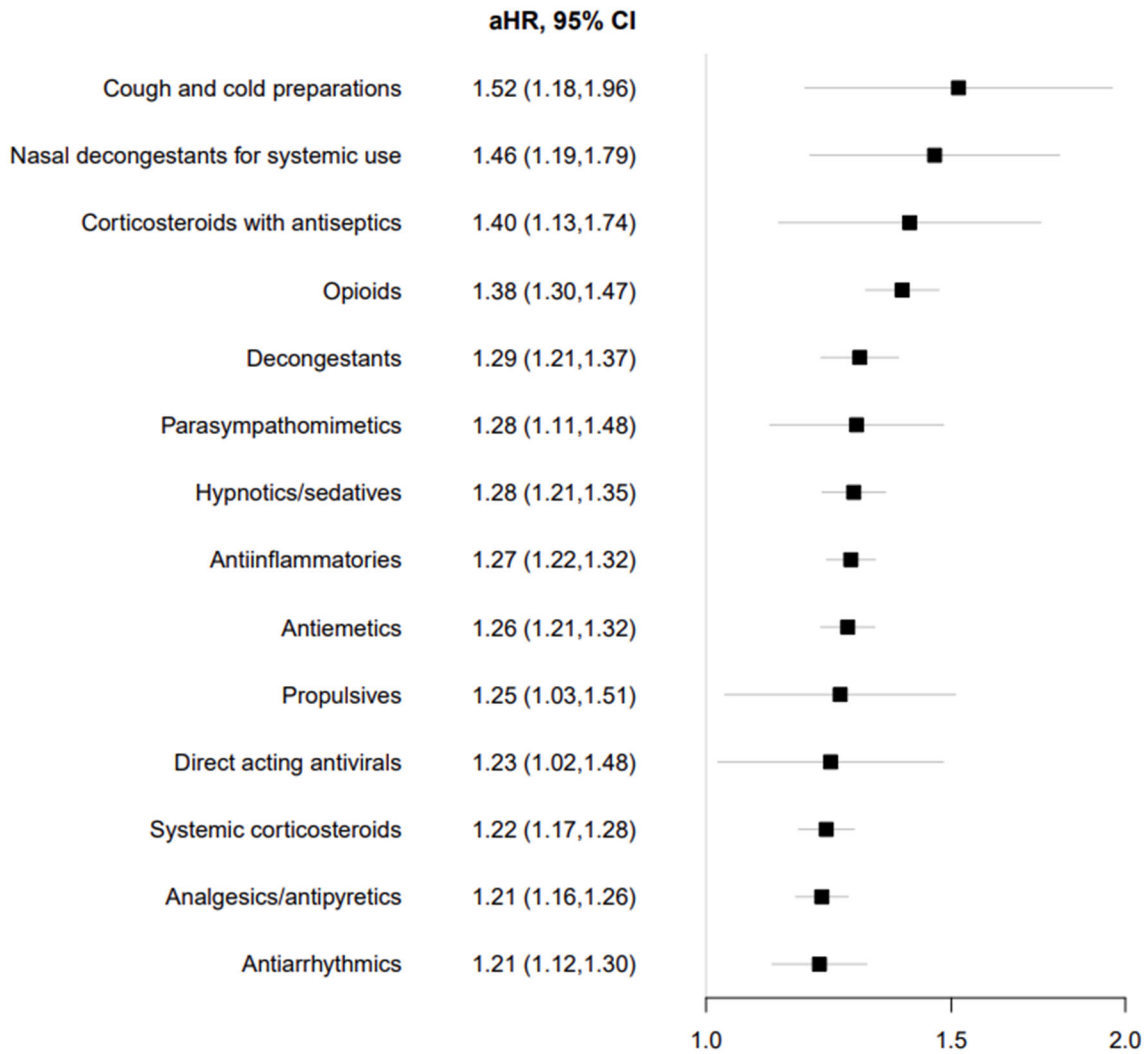
	<ul style="list-style-type: none"> • Bruising and bleeding disorders • Chilblain • Cognitive impairment • Cognitive signs and symptoms • Coma • Constipation • Cough • Delirium • Depressive symptoms • Diseases of the vocal cords and larynx • Dizziness and syncope • Dysphagia • Emotional and behavioral signs and symptoms • Genitourinary signs and symptoms • Headache • Loss of taste • Myalgia • Nasal congestion • Neuralgia and neuritis • Ocular pain • Otagia • Pruritis • Psychological symptoms, other • Sleep-wake disorders • Speech signs and symptoms • Stress • Visual disturbances • Weight loss 	<ul style="list-style-type: none"> • Autism spectrum disorder • Autoimmune thyroiditis • Avoidant and restrictive food intake • Bipolar disorder • Bronchitis • Cardiomyopathy • Catatonia • Celiac disease • Chronic kidney disease • Chronic obstructive pulmonary disease and bronchiectasis • Conduct disorder • Dermatitis herpetiformis • Developmental delay • Diabetes mellitus • Diabetes mellitus, type 1 • Diabetes mellitus, type 2 • Dysautonomia • Encopresis • Feeding and eating disorders • Heart disease, other • Hypertension • Hypothyroidism • Idiopathic thrombocytopenic purpura • Inflammatory polyneuropathy • Intellectual disability • Kawasaki disease • Major depression • Minor depression • Neonatal digestive and feeding disorders • Oppositional defiant disorder • Pericarditis • Psoriasis • Psychotic disorder • Pulmonary fibrosis • Rhabdomyolysis • Schizoaffective disorder • Schizophrenia • Scleroderma 	<ul style="list-style-type: none"> • Immunoglobulins • Immunosuppressants • Other drugs for obstructive airway diseases, inhalants • Expectorants, excl. combinations with cough suppressants • Other mineral supplements
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		<ul style="list-style-type: none"> • Seizures and epilepsy • Sexual dysfunction • Sjogren syndrome • Systemic lupus and other connective tissue disorders • Takotsubo cardiomyopathy • Temporal arteritis • Thyroiditis • Tic disorder • Vitiligo 	
Empirically supported but not clinically predicted or evaluated as clinically plausible	<ul style="list-style-type: none"> • Superficial injury; contusion 	<ul style="list-style-type: none"> • Breast cancer • Neurogenic/neuropathic arthropathy • Personal/family history of disease • Septicemia • Mental health treatment • Adverse effects of drugs and medicaments • Newborn status • Disorders of teeth and gingiva • Influenza • Other and ill-defined heart disease • Complication of device, implant, or graft • Contact dermatitis • Intestinal infection • Parasitic disease • Other injuries • Bacterial infections • Diseases of white blood cells • Tonsillitis • Coagulation and hemorrhagic disorders • Intestinal obstruction and ileus • Postprocedural or postoperative complications • Other specified encounters and counseling • Hypotension 	<ul style="list-style-type: none"> • Ultrasound contrast media • Allergens • Irrigating solutions • Anesthetics, local • Ectoparasitocides, incl. scabicides • Anesthetics, general • Antiinflammatory/antirheumatic agents in combination • Antispasmodics in combination with analgesics • Corticosteroids, combinations with antibiotics • Antiinfectives and antiseptics, excl. combinations with corticosteroids • Bacterial vaccines • Vitamin k and other hemostatics • Other antibacterials • Antiinflammatory agents and antiinfectives in combination • Throat preparations • Bacterial and viral vaccines, combined • Corticosteroids, other combinations • Anti-acne preparations for topical use • Antifibrinolytics • Other otologicals • Antibiotics for topical use • Ascorbic acid (vitamin C), incl. combinations • Blood and related products • Medicated dressings • Local anesthetics

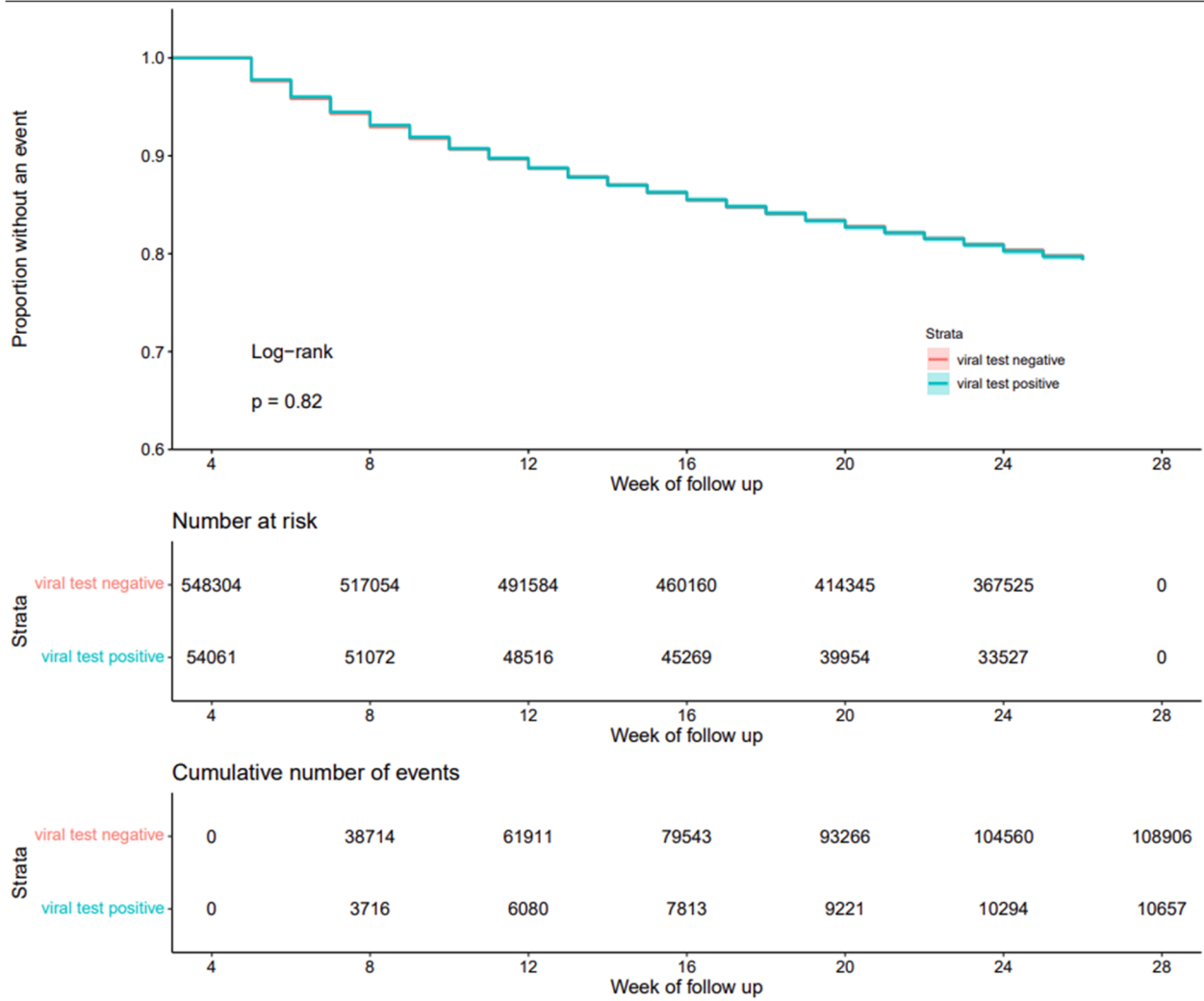
		<ul style="list-style-type: none"> • Other specified inflammatory condition of skin • Viral infection • Obesity • Pleurisy, pleural effusion and pulmonary collapse • Other specified status • Complication of other surgical or medical care injury • Other specified upper respiratory infections • Inflammatory conditions of male genital organs • Urinary tract infections • Other specified and unspecified skin disorders • Skin and subcutaneous tissue infections • Administrative encounter • Nervous system pain and pain syndromes • Otitis media 	<ul style="list-style-type: none"> • All other therapeutic products • Vitamin B12 and folic acid • Viral vaccines • Antispasmodics in combination with psycholeptics • Muscle relaxants, peripherally acting agents • Antifungals for topical use • Antiseptics and disinfectants • Other ophthalmologicals • Corticosteroids and antiinfectives in combination • Drugs for functional gastrointestinal disorders • I.V. solution additives • Other beta-lactam antibacterials • Beta-lactam antibacterials, penicillins
<p>Clinically predicted but outcome found to be of greater risk in test negative cohort (upper limit of 95% CI for outcome was less than 1)</p>	<ul style="list-style-type: none"> • Balance problems • Stress • Cough • Chilblain • Abdominal pain 	<ul style="list-style-type: none"> • Feeding and eating disorders • Seizures and epilepsy • Major depression • Minor depression • Celiac disease • Dysautonomia • Autism spectrum disorder • Intellectual disability 	<ul style="list-style-type: none"> • ACE inhibitors, plain • Antidepressants • Antiepileptics • Antithrombotic agents • Beta blocking agents • Drugs for peptic ulcer and gastro-oesophageal reflux disease (GORD) • Immunosuppressants

^a Codesets were developed from ICD codes, the full list of the code assignments to clusters is publicly available at <https://github.com/PEDSnet/PASC>.

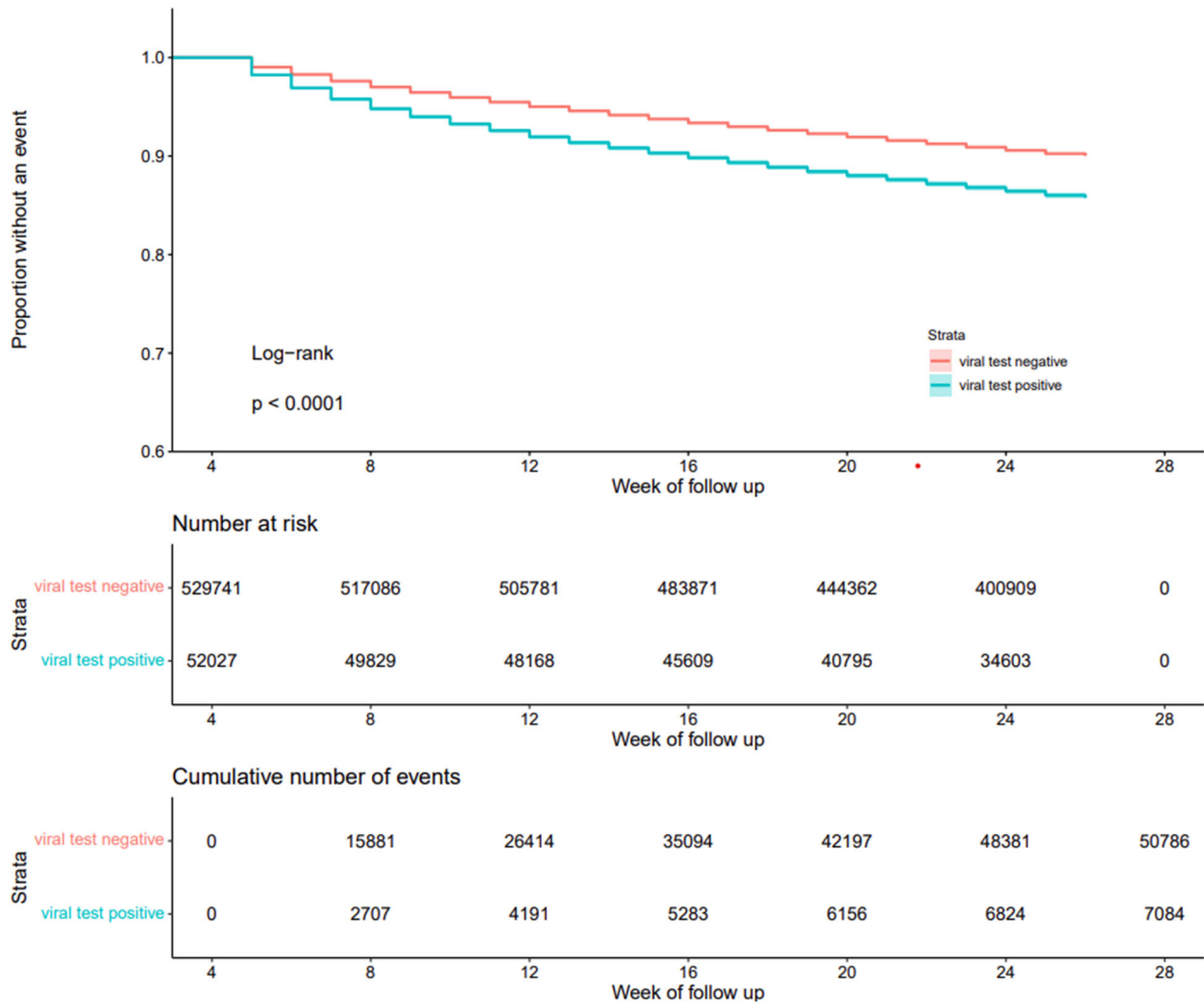
eFigure 1. Medication Therapeutic Classes Associated With PASC



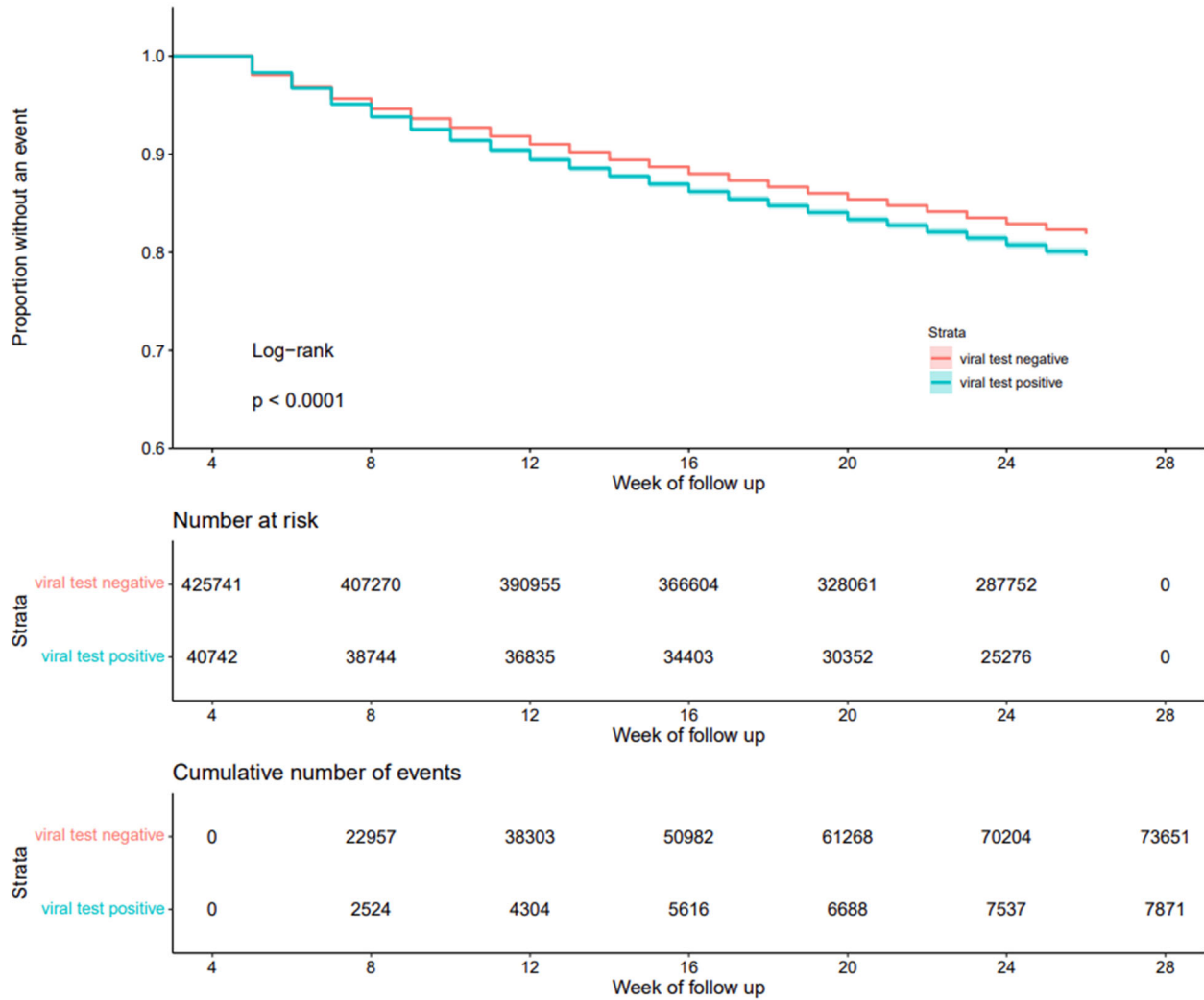
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eFigure 3. Kaplan-Meier Plot for Risk of Any Systemic Feature of PASC



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