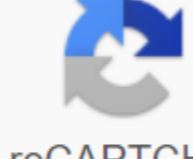


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Immunization is one of the most important things you can do to protect yourself, your family and your community from infectious diseases. IDSA focuses on immunization of children, adolescents and adults, including health workers. Schedule, Tools and Recommendations From the U.S. Centers for Disease Control for Vaccinating Children, Adolescent and Adult Patients Public Policy Specialists Facebook LinkedIn Email Published, 10/1/2019 American Journal of Respiratory and Critical Care Medicine, Volume 200, Issue 7, October 1, 2019, Pages e45-e67, October 1, 2019. Metley, Grant W. Waterer, Ann C. Long, Antonio Anzueto, Jan Brozek, Christina Crothers, Laura A. Cooley, Nathan C. Dean, Michael Fine, Scott A. Flanders, Marie R. Griffin, Mark L. Meterski, Daniel M. Musher, Marcos I. Restrepo and Cynthia G. Whitney; On behalf of the American Thoracic Society and Infectious Diseases Society of America Background Information: This paper provides evidence-based clinical recommendations for practices to manage adult patients with community pneumonia. Methods: The multidisciplinary team conducted pragmatic systematic reviews of relevant studies and applied a methodology for evaluating, evaluating, developing and evaluating clinical recommendations. Results: The team reviewed 16 specific areas for recommendations covering diagnostic testing, treatment location, initial empirical antibiotic selection and follow-up management decisions. While some recommendations remain unchanged from the 2007 guidelines, the availability of new therapeutic trials and epidemiological studies has led to a review of recommendations for empirical treatment strategies and additional management decisions. Conclusions: The panel formulated and provided justification for recommendations for individual diagnostic and treatment strategies for adult patients with community pneumonia. Keywords: pneumonia acquired by the community; pneumonia; Patient management For more information, please visit the Website of the American Thoracic Society. Pocket Map PDF Split View Article Content Figures and Tables Video Audio Additional data The International Panel of Experts has produced based on actual guidelines for the vaccination of immunocompromised adults and children. These guidelines are intended to be used by primary health care providers and subspecies who care for immunocompromised patients. Evidence was often limited. Areas that require further investigation have been identified. These guidelines have been developed to provide primary health care specialized clinicians with evidence-based guidelines for active immunization of patients with modified immuno-infection and their family contact in order to safely prevent prevent vaccination They are not the only approach to vaccination. Recommended immunization schedules for normal adults and children, as well as some adults and children at high risk of vaccine infection, are updated and published annually by the Centers for Disease Control and Prevention (CDC) and partner organizations. Some of the recommendations have not been considered by the Advisory Committee on Immunization Practices (ASIP) at the CDC or they deviate from recommendations. The purpose of these guidelines is to reduce the morbidity and mortality from vaccine-preventable infections in immunocompromised patients. Below are the recommendations made by the group. The electronic version has support tables that provide additional information. The team followed the process used in the development of other American Society guidelines on infectious diseases, which included systematically weighing the quality of the evidence and evaluating the recommendation (table 1). The main clinical questions and recommendations are summarized in this summary. A detailed description of the methods, background data and evidence supporting each recommendation can be found in the full text of the guidelines. Table 1. Classification system to assess the strength of recommendations and the quality of supporting evidence The strength of the recommendation and the quality of the evidence . Clarity of the balance between desirable and undesirable effects. Methodological quality of supporting evidence (examples). Consequences. Strong recommendations, high-quality evidence of desirable effects clearly outweigh the undesirable effects, or vice versa consistent evidence from well-executed LCTs or exceptionally compelling evidence from impartial observational studies the recommendation can apply to most patients in most cases. Further research is unlikely to change our confidence in assessing the effect. Strong recommendations, moderate-quality evidence Of desirable effects clearly outweigh the undesirable effects, or vice versa Evidence from RCTs with important limitations (inconsistent results, methodological deficiencies, circumstantial or inaccurate) or exceptionally compelling evidence from impartial observational studies The recommendation can apply to most patients in most cases. Further research is unlikely to change our confidence in assessing the effect. Strong recommendations, poor quality of evidence Desirable effects clearly outweigh the undesirable effects, or vice versa Evidence, at least 1 critical result from observational studies, RCTs with serious flaws or circumstantial evidence Recommendation may change when higher evidence becomes available. Further studies (if they are carried out) are likely to have an important impact on our confidence in assessing the effect and are likely to change Recommendation, very poor quality evidence (very rarely applicable) Desirable effects clearly outweigh the undesirable effects, or vice versa Evidence at least one critical result from non-systemic clinical observations or very circumstantial evidence Recommendation may change when higher quality evidence becomes available; any assessment of the effect of at least one critical result is highly uncertain. Weak recommendation, high-quality evidence of desirable effects, closely balanced with undesirable effects Consistent data from well-executed RSHT or exceptionally convincing evidence from objective observational studies The best action may differ depending on the circumstances, patients or public values. Further research is unlikely to change our confidence in assessing the effect. Weak recommendation, moderate-quality evidence Of desirable effects are closely balanced with the undesirable effects of evidence from RCTs with important limitations (incompatible results, methodological deficiencies, indirect or inaccurate) or exceptionally compelling evidence from impartial observational studies Alternative Approaches are likely to be better for some patients under certain circumstances. Further studies (if they are conducted) are likely to have an important impact on our confidence in assessing the effect and may change the assessment. Weak recommendation, poor quality of evidence of uncertainty in assessments of desirable effects, harm and burdens; Desirable effects, harms and burdens can be closely balanced evidence, at least one critical outcome from observational studies, RCTs with serious flaws or circumstantial evidence Other alternatives may be just as reasonable. Further research is likely to have an important impact on our confidence in assessing the effect and is likely to change the assessment. Weak recommendation, very poor quality of evidence Home uncertainty in assessments of desirable effects, harm and burden; desirable effects may or may not be balanced with the undesirable effects of Evidence of at least one critical outcome from non-systemic clinical observations or very circumstantial evidence Other alternatives may be just as reasonable. Any assessment of the effect, at least one critical result, is very uncertain. WHO is responsible for vaccinating immunocompromised patients and their family members? 1. Specialists, caring for patients with weakened immunity, are responsible to the main provider of health services to ensure that patients with weakened immunity (strong, low) are injected Vaccinations. Specialists caring for immunocompromised patients are responsible to the main provider of health care for recommending appropriate vaccinations for family members of immunocompromised patients (strong, very low). When vaccines should be administered Patients who are scheduled to initiate immunosuppressive drugs?3. Vaccines should be administered prior to planned immunosuppression, if possible (strong, moderate).4. Real-time vaccines should be administered ≥4 weeks prior to immunosuppression (strong, low) and should be avoided for 2 weeks after the onset of immunosuppression (strong, low). Inactivated vaccines should be administered ≥2 weeks prior to immunosuppression (strong, moderate). What vaccines can be safely administered to people who live in a family with weakened immunity? What precautions should be taken against immunocompromised patients after their family members are vaccinated? 6. Immunocompetent individuals who live in a family with immunocompromised patients can safely receive inactivated vaccines based on the CDC's annually updated recommended vaccination schedules (more, CDC annual schedule; strong, high) or for travel (strong, moderate).7. Individuals who live in a family with weakened immunity of patients at the age of ≥6 months should receive the flu vaccine annually (strong, high). They should receive either: an inactivated flu vaccine (IIV; strong, high) or a low-end flu vaccine (LAIV) provided they are healthy, not pregnant, and aged 2-49 (strong, low). Exceptions include individuals who live in a family with weakened patient immunity who has been a hemathoetic stem cell transplant (HSCT) recipient for 2 months after transplantation or with a transplant against the host disease (GVHD) or a patient with severe combined immunodeficiency (SCID). Very low).8. Healthy immunocompetent people who live in a family with weakened immunity patients should receive the following live vaccines based on the CDC's annual schedule: combined measles, mumps and rubella (MMR) vaccines (strong, moderate); rotavirus vaccine in children between the ages of 2 and 7 months (strong, low); chickenpox vaccine (VAR; strong, moderate); and the zoster vaccine (AIA; strong, moderate). In addition, these people can safely receive the following travel vaccines: yellow fever vaccine (strong, moderate) and oral typhoid (strong, low).9. Oral polio vaccine (OPV) should not be administered to individuals who live in a family with immunocompromised patients (strong, moderate).10. Patients with high immunocompromised should avoid the treatment of diapers of infants who have been vaccinated with rotavirus vaccine for 4 weeks after vaccination (strong, very low).11. Immunocompromised patients should avoid contact with people who develop skin damage after receiving VAR or until the defeat is clear (strong, low). WHAT vaccines can be introduced for immunocompromised individuals contemplating international travel? 12. Physicians may administer inactivated vaccines for trips based on the CDC's annual schedule for immunocompetent adults and children (strong, low).13 The yellow fever vaccine should not be administered to immunocompromised individuals (strong, moderate). If travel to an endemic area is not avoided, vaccination may be considered in the following minimally immunocompromized human immunodeficiency virus (HIV)-infected individuals: aritampomatic HIV-infected adults with CD4 T-cell lymphocytes count ≥200 cells / mm3 (weak, low) aritemptonic HIV-infected children aged 9 months-5 years with CD4 T-cell lymphocytes percent ≥15 (weak, very low).14. With a few exceptions (e.g., yellow fever vaccine and PMR vaccine in some HIV-infected patients (see recommendation 13 and section Recommendations for vaccination of HIV-infected adults, adolescents and children), as well as in some patients with HSCT (see Recommendations for vaccination of patients with hemapoetic stem cell transplantation), live vaccines should not be given to those with weakened immunity (low). RECOMMENDATIONS FOR VARICELLA AND HEALTH VACCINE IN IMMUNOCOMPROMISED PATIENTS VAR V. Should immunocompromiSED PATIENTS VAR V. Should patients with weakened immunity or patients scheduled to receive immunosuppressive therapy receive VAR? 15. VAR should be given to immunocompetent patients without signs of varikella immunity (e.g., age-appropriate vaccination against chicken varikella, serological immunity evidence, doctor-diagnosis or -proven history of chickenpox or oster, or laboratory-proven wind or zoster; strong, moderate) if it can be administered ≥4 weeks prior to the onset of immunosuppressive therapy (strong, low). A 2-dose VAR schedule, divided into 4 weeks for patients aged ≥13 years and ≥3 months for patients between the ages of 1 and 12, is recommended if there is enough time before the onset of immunosuppressive therapy (strong, low).17. VAR should not be administered to immunocompromised patients. However, some categories of patients (e.g. patients with HIV infection without severe immunosuppression or with primary immunodeficiency disorder without defective T-cell immunity, such as primary deficiency of supplement components or chronic granulomatous disease (CGD)) should receive VAR by adhering to a 2-dose schedule divided by a 3-month interval (strong, moderate). VAR can be considered for patients without evidence of wind cup immunity (defined in recommendation 16) who receive long-term, low-level (weak, very low). VAR should be administered to immunocompromised patients as the sole antigenic product, not VAR in combination with the MMR vaccine (strong, strong, Should immunocompromized patients or those who will undergo immunosuppression get herpes shingles-slinging lipo vaccine?20. AIA should be administered to patients aged ≥60 years if it can be administered ≥4 weeks before the onset of high immunosuppressive therapy (strong, low).21. AIA should be considered for wind-positive patients (i.e., individuals with a history of wind or ash infection or who are a chickenpox virus (VIV) seropositive without previous doses of VAR) at the age of 50-59 years, if it can be administered ≥4 weeks prior to the onset of immunosuppressive therapy (weak, low). AIA should be used in patients aged ≥60 years, who receive therapy, which is thought to cause low levels of immunosuppression (strong, low).23. AIA should not be administered to patients with weakened immunity (strong, very low). RECOMMENDATIONS ON INFLUENZA VACCINE IN IMMUNOcompromissIC HOSTE VII. Should immunocompromised individuals receive influenza vaccine? 24. Annual CIV vaccination is recommended for patients with weakened immunity at the age of ≥6 months (strong, moderate), except for patients who are unlikely to respond (although it is unlikely to be damaged by IIV), such as those who receive intensive chemotherapy (strong, low) or those who received anti-B-cell antibodies within 6 months (strong, moderate).25. LAIV should not be administered to persons with weakened immunity (weak, very low). Recommendations FOR THE REACTION OF PATIENTS WITH FIRST IMMUNOdeficiency VIII. What vaccines should be administered to patients with primary (congenital) supplement deficiencies? 26. Patients with primary kit deficiencies should receive all conventional vaccines based on the CDC's annual schedule; none of them is contraindicated (strong, low).27. Patients with the deficiencies of the primary supplement and between the ages of 2 and 5 should receive 1 dose of 13-valent pneumococcal conjugated vaccine (PCV13) if they have received 3 doses of PCV (or 7-valent PCV or PCV13) up to 24 months and 2 doses of PCV13 (8 weeks apart) if they received an incomplete schedule of ≤2 doses of PCV7 (PCV7 or PCV13) to 24 months (strong, low). between the ages of 6 and 18 with a classic pathway (C1, C2, C3, C4), an alternative pathway, or heavy mannan-binding lectin (MBL) deficiency that did not get PCV13 should receive one dose of PCV13 (strong, very low ≥). Very low). For those who have received pneumocococ pc polysaccharide vaccine-23 (PPSV23), PCV13 should be administered ≥1 year after the last dose of PPSV23 (weak, low).28. Patients aged ≥2 years with an early classical route, alternative pathway, or severe MBL deficiency should receive PPSV23 ≥8 weeks after PCV13, and a second dose of PPSV23 should 5 years later (strong, low).29. Patients with primary supplement deficiencies should receive conjugated meningococcal vaccine. 4-dose series of bivalent meningococcal conjug vaccine and conjugation of type B hemophilic influenza (HibMenCY) vaccine; MenHibrix, GlaxoSmithKline) should be introduced at the age of 2, 4, 6, and 12-15 months for children between 6 weeks and 18 months (strong, low) or 2-dose of the primary series of meningococcal conjugal vaccine, quadrivalent (MCV4) should be administered to patients with primary component deficits at age 9 months-55 years (MCV4-D Menactra, Sanofi Pasteur) for persons aged 9 to 23 months; MCV4-D or MCV4-CRM (Menveo, Novartis); CRM, protein of diphtheria CRM197 for people between the ages of 2 and 54; strong, low). For those aged 55 years old, MPSV4 (meningococcal polysaccharide vaccine, quadrivalentity) should be administered if they have not received MCV4 and MCV4 should be administered if they have received an MCV4 (strong, low). For patients between the ages of 9 and 23 months, doses should be administered 3 months apart; For patients aged ≥2 years, doses should be administered 2 months apart. MCV4-D should be administered ≥4 weeks after the dose of PCV13 due to reduced antibody response to some pneumocococ pdms when MCV4-D and PCV7 are administered simultaneously (strong, low).30. Patients with a deficiency of primary supplement components should be revaccinated with MCV4 (or MPSV4 for those aged 55 years who have not received MCV4) every 5 years (strong, low). IX. Which vaccines should be used in patients with phagocytic cell deficiencies (e.g., CGD, white blood adhesive deficiency, Chediaca-Higashi syndrome)?31 Patients with phagocytic cells should receive all inactivated vaccines based on the CDC's annual schedule (strong, low). Children between the ages of 2 and 5 should receive PCV13 as in recommendation 27a (weak, very low).32. Patients aged ≥6 years with phagocytic cell deficiencies other than CGD (if a patient with CGD receives immunosuppressive medication) should receive PCV13 as in recommendations 27b and 27c (weak, very low).33. Patients aged ≥2 years with phagocytic cell deficiencies other than CGD (if a patient with CGD receives immunosuppressive medication) should receive PPSV23 ≥8 weeks after receiving PCV13, and a second dose of PPSV23 should be given 5 years later (weak, low).34. Vaccines against live bacteria, such as calmette-Guerin bacillus (BCG) or oral typhoid fever, should not be administered to patients with a defect in phagocyte cells (strong, moderate).35 Real-time viral vaccines should be used in patients with CGD and patients with congenital or cyclical neutropenia (weak, low).36. Live viral vaccines should not be administered to patients with white blood cell deficiency adhesives, defects of cytotoxic

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(pg. -) ABBREVIATIONS AAP, American Academy of PediatricsBCG, Bacillus Calmette-GerincART, CDC combined antiretroviral therapy, Centers for Disease Control and Prevention, chronic granulomatosis, trust, cell-mediated immunityCSF, cerebrosal fluidCOVID, general variable immunodeficiency, DiJorgeDPT syndrome, ditheria toxicoid, whole cell whooping cough vaccines, tetanus toxoid, acellular vaccine against whooping coughGVHD, vaccination against host diseaseanti-HBs, antibodies to EPB surface antigenHBIG, hepatitis B immune globulinHBsAg, hepatitis B surface antigenHBV, hepatitis B virusHepA, hepatitis A vaccineHepB, hepatitis B vaccineHib, Haemophilus influenza type B vaccine Human immunodeficiency virus quadrivalent vaccine against human papillomavirusHSCT, hematopoietic stem cell transplantation, herpes lister, inflammatory bowel disease, Society of Infectious Diseases of America -y/LL-12, interferon-gamma/interleukin-12IGIV, immune globulin intravenouslyIIIV, inactivated flu vaccine, inactivated polio vaccine, live influenza vaccineMBL, mannin-binding lectinMCV4, meningococcal conjugated vaccine, quadrivalent MMR, measles, mumps, and rubella vaccineMMRV, MMR-varicellaMTX vaccine, methotrexateNK, natural killerOPV, oral polio vaccine, n nevmococococative conjunctritic conjunctritic vaccineDGS, partial DiGeorgePPSV syndrome, pneumococcharic polysaccharide vaccineRA, rheumatoid arthritis, severe combined immunodeficiency, systemic lupus erythematos, organ transplantation, specific deficiency of polysaccharide antibodies , Standards and Practice Guidelines, tetanus toxoid, decrease in diphtheria toxic vaccineTdap, tetanus toxoid, decrease in diphtheria toxoid, and decreased acellular whooping cough vaccineTNF, tumor necrosis factor, tetanus toxoidVAPP, vaccine-related paralytic polio, varic vaccineellaV siyavula physical science grade 11 pdf download. siyavula physical science grade 11 teachers guide pdf download. siyavula physical science grade 11 caps pdf download. siyavula physical science grade 11 answers. siyavula physical science grade 11 pdf

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