

| RECOMMENDED  | HEPAT  | ITIS A  | AND B IM                               | MUNIZAT                               | TION SCH   | EDULE FO   | R CHILD  | REN AND   | ADOLESC  | ENTS, 2                               | 003   |   |                                     |  |
|--|--|---|--|---------------------------------------|--|--|--|---|--|---------------------------------------|---|---|-------------------------------------|--|
|  |  |   | Range of Recon                         | mended Ages                           | . 4  | . 6  | 12<br>Months   | Vaccination<br>15<br>Months                             | 18<br>Months                                   | . 24                                  | Preadeles<br>4-6  | 11-12                                   | 13-18                               |  |
| Vaccine<br>Hepatitis B   |  | Birth<br>Hep B #1   | Month                                  | Months                                | Months   | Months   |  |   | Months   | Months                                | Years   | Years                                   | Years                               |  |
|  |  | Heb B MT  | Only it moduler is                     | Hep B #2                              | _  |  | He   | p B #3  | _  |                                       | Hepat   | nis B Senes                             |                                     |  |
| Hepatitis A  |  |   |  |                                       |  |  |  |   |  |                                       | Hepat   | itis A Series                           |                                     |  |
| Adapted from American A  | Academy of F   | Pediatrics 200  | G Immunization                         | Schedule, Avai                        | lable online at w  | ww.cispirmun   | ize.org/pro/2000   | 2_sch.html  |  |                                       |   |   |                                     |  |
| HEPATITIS A V  | ACCINI   | ES (VACCI   | NE FORMULAT:                           | IONS ARE LIS                          | TED IN ALPH  | ABETICAL OF  | DER BY TRAC  | E NAME.)  |  |                                       |   |   |                                     |  |
| VACCINE  |  | FDA   | LABELED INDI                           | ATION                                 |  |  |  | DOSTNG SCH  | EDULE  |                                       |   |   |                                     |  |
| <b>Hovrix"</b><br>Inactivated hepatitis R vi   | CCINE FOR LABELED INDICATION  With Rthe immunitation of persons  title 8 virus (NW)  |   |  | f persons 22 ye                       | ars of age again   | st disease caus  | ed by hepa-  | Primory series<br>Ages 2–18: 0,                         | of 2 injections:<br>6-12 months<br>i-12 months |                                       |   |   |                                     |  |
| (GlaxoSmith#Jine)<br>www.ssr.com<br>Twinnix*   |  |   |  |                                       | 18 years against hepatitis A and B   |  |  |   |  |                                       |   |   |                                     |  |
| Twinnix*<br>Inactivated hepatitis R o  | nd recombine   | For va  | ccination of per                       | sons aged >18 y                       | rears against he   | patitis A and B  |  | Primory series<br>0, 1, and 6 m                         | of 3 injections<br>onths                       | at                                    |   |   |                                     |  |
| Inactivated hepotitis R or<br>hepatitis B co-formulatio<br>(GlaxoSmithEline)<br>www.65E.(OM  | n  |   |  |                                       |  |  |  |   |  |                                       |   |   |                                     |  |
| www.ssc.com Yager* Inactivated hepatitis R vaccine Okerck S Company) www.yebcc.com   |  | For ac  | tive pre-exposur                       | e prophylaxis a                       | goinst disease c   | goinst disease caused by the hepatitis R   |  |   | of two injectio                                | es:                                   |   |   |                                     |  |
| Inactivated hepatitis R vi<br>(Merck & Company)  | ccine  | virus i   | n individuals age                      | d >2 years                            |  |  |  | Rges 2-17: 0,<br>Rge >17: 0, 6                          | of two injectio<br>6-18 months<br>months       |                                       |   |   |                                     |  |
| NWW.PERCK.COM<br>Sates on Henetitis & Yorkin   | Mer.   |   |  |                                       |  |  |  |   |  |                                       |   |   |                                     |  |
| Protective levels of antibo<br>The most frequently repor   | dy (anti-HRV)<br>ted adverse r   | persist for >   | 20 years.<br>uring <3 days of          | ter vaccination                       | ore sareness at  | the injection s  | te (53%-54%)   | headache (14%   | -14%), and make                                | sise (7%). Revie                      | ws of data fro  | m multiple sour                         | ces have not                        |  |
| dentified any serious odve   | rse events a   | ssociated wit   | h hepatitis A voc                      | cination among                        | either juveniles   | or adults.   | Fuents Reportin  | e System (VSFS)   | C Peacetina for                                | ems con he oht                        | nined by calling  | 1,800,812,79                            | 17                                  |  |
| Notes on Hepetitis & Yocci<br>Protective levels of antibo<br>the most frequently repor<br>dentified any serious odve<br>lidverse events suspected  |  |   |  |                                       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |  |  | 3 1711111111111111                                      |  |                                       |   | , |                                     |  |
| HEPATITIS B V  | CCCINE FOR LABBLED INDICATION  genixB* Indicated for immunistation again  combinent hepatitis 8 voccine the hepatitis 8 virus  |   |  |                                       |  |  |  | /E NHME./   |  |                                       |   |   |                                     |  |
| Engerix-B*<br>Recombinent benefitis 8:   | orrise   | Indice<br>the he  | oted for immuniz                       | ation egainst is                      | efection coused  | by all known su  | btypes of  | Primory series  | of 3 injections<br>onths                       | at                                    |   |   |                                     |  |
| (GlaxoSmithKline)  | SlaxoSmith#Jine)   |   |  |                                       |  |  |  |   |  |                                       |   |   |                                     |  |
| ecombivex* HB  |  | for vo  | ccination agains                       | t infection cou                       | sed by all known   | subtypes of th   | e hepatitis 8  | Primary series of 3 injections at<br>0, 1, and 4 menths |  |                                       |   |   |                                     |  |
| PRECENT Insperie B  recombine the patitis B vaccine Bus semethaline www.ssc.com  ww |  |   |  |                                       |  |  | R 2-dase primary series can be used in patients 11-15 years of age (see www.merck.com) |   |  |                                       |   |   |                                     |  |
| Twinnix*   |  | et ferme  |  |                                       |  | antitio C and S  |  |   |  |                                       |   |   |                                     |  |
| hepatitis B co-formulation   |  | 100.10  | ccination of per-                      | oons ages 714 )                       | eus oyunst nei   | PACIOS A 4110 U  |  | 0, 1, end 6 menths                                      |  |                                       |   |   |                                     |  |
| www.ese.com  |  | for exconsion of persons egod 2-12 years agreed helpstick deed 8 2.1, and it is married.  **Control of the second |  |                                       |  |  |  |   |  |                                       |   |   |                                     |  |
| <b>Notes en Hepetitis B Vacci</b><br>Repatitis B voccine has a :   | 95% final se   | roprotection  | rate among adol                        | escents and he                        | althy young adul   | ts.  |  |   |  |                                       |   |   |                                     |  |
| /occination of adolescent<br>Secause hepatitis D (caus   | s and adults :<br>ed by the del  | an a 0-, 2-, a<br>to virus) does  | nd 4-menth, and<br>not occur in the    | d adelescents a<br>absence of he      | n o 0-, 12-, ond<br>patitis 8 infecti  | 24-month sch<br>on, it can be er   | edule, achieved<br>spected that he   | final seraprate<br>patitis 0 will ol                    | ction rates simi<br>so be prevented            | ilar to the 0-, 1<br>I by hepatitis B | I-, and 6-man<br>voccination.   | th schedule.                            |                                     |  |
| ldverse reactions associal<br>amang placebo recipients   | ted with hepo<br>in controlled   | atitis B voccin<br>trials. Anoph  | e include pain o'<br>ylaxis hos been r | t the injection :<br>eported in 1/60  | site (3%-29%) er<br>10,000 vaccine n   | id o temperatu<br>ecipients; haw   | re >37.7°C (1%-<br>rver, no deaths   | 6%), but these<br>have been attr                        | effects are repr<br>ibuted to vaccin           | orted no more !<br>nations.           | frequently emo  | ing voccine reci                        | iients then                         |  |
| The duration of vaccine-in<br>tis B surface antibody (an   | duced ontibe<br>ti-HBs) has ra   | idy and prater<br>inged from 13   | tion from hepst<br>% to 60% by 9–1     | itis 8 virus (HBA<br>5 years after vo | ) infection has I<br>occination, imm   | ieen evolusted<br>use memory pro   | among vaccina<br>wides protectio   | ted infants, juv<br>n from HBV infe                     | eniles, and odul<br>ction, and prote           | lts. Studies ind<br>ection remains    | icate that olth<br>intact for >15   | ough loss of de<br>years, the long      | ectable hepati-<br>est period for   |  |
| which follow-up data are :<br>Adverse events suspected   | zvailoble, Bec<br>to be associa  | couse of the l<br>sted with hep   | ang duration of :<br>atitis 8 vaccinat | protection offici<br>ion should be re | rded by the 3-di<br>oparted to Vocci   | ose voccine ser<br>ne Adverse Ever   | ies, baaster dar<br>its Reporting Sy   | ies of vaccine a<br>stem (VRERS). R                     | eporting forms                                 | imong vaccinat<br>can be obtoine      | ed immunacon<br>d by calling 1-   | npetent juvenile<br>300-822-7967.       | s or adults.                        |  |
| DRUGS FOR THE  |  |   |  |                                       |  |  |  |   |  |                                       |   | _                                       |                                     |  |
| DRUG NAME  | FOR LABEL  | ED DOSE   |  | D:                                    | OTENTIOL STD   |  | MMENTS   |   |  |                                       |   |   |                                     |  |
| ORAL AGENTS<br>Adefovir dipiraxil  | 10 mg table  | t orally once   | Sally                                  | Ro                                    | ute exacerbatio  | ns of hepatitis  | have been repo   | rted in potient   | s who have disco                               | ontinued onti-h                       | epotitis B the  | repy, including t                       | therapy with                        |  |
| ORUG NAME ORAL ACENTS Adefovir dipiroxil Hepsero* (Gileod)   |  |   |  | He er                                 | gsera". Liver fur<br>iti-hepotitis 8 th  | tions of Imparitio have been reported in potentia who have discontinual exist happetion 1 thought, including though with function shall be available discontinual exists and including though with function shall be available discontinual the available discontinual the available discontinual throught of the available discontinual throught discontinual throught of the available discontinual throught of the available discontinual throught discontinual throught of the available discontinual throught discontinual through |  |   |  |                                       |   |   |                                     |  |
| WWW.HIPSCRR.COM  |  |   |  |                                       | an povents or risk or or having underlying renot dystruction, chronic administration of Hepsera may result in nephrotoxicity. These patients should be monitored closely for renot function and may require dose adjustment.   |  |  |   |  |                                       |   |   |                                     |  |
|  |  |   |  |                                       | max resistance may emerge in critaric hepatitis B patients with unrecognized or NIV infection treated with anti-hepatitis B therapies that may have activity against NIV.  |  |  |   |  |                                       |   |   |                                     |  |
|  |  |   |  | Lo                                    | ctic acidosis an<br>in combination   | d severe hepoto<br>with other anti   | megaly with st<br>retrovirals.   | eotosis, includi  | ng fotol cases,                                | have been repo                        | rted with the   | use of nucleosis                        | e onalogs olone                     |  |
| 'DA labeled indication: Tre  | otment of ch   | ironic hepatit  | is 8 in adults wit                     |                                       |  |  |  |   |  |                                       |   | or octive diseas                        | ie on liver biops;                  |  |
| Lominudine<br>Epivir-HBY*  | Children: 2-1  | mg coally once<br>17 years: 3 mg  | odally<br>g/kg, to a maxim             | rum of 100 pc                         | This indication is based on 1-year histologic and serologic responses in adult patients, as well as more limited data from a study in pediatric patients.  |  |  |   |  |                                       |   |   |                                     |  |
| (GlaxoSmithKline)<br>www.sastRostTe.com/EPTXIB   | mg once doi  | ly; 20 mL crol  | selution once de                       | iily                                  |  |  |  |   |  |                                       |   |   |                                     |  |
| DA labeled indication: Tre   | stment of co   | impensated c  | hronic hepotitis                       | associated wi                         | th evidence of v   | irel replication   | and active live  | inflammation i  | in adults and ch                               | ildren aged 2 t                       | 17 years.   |   |                                     |  |
| Interferon alfa-2b   | Adults: 30 to  | 35 million 1L   | per week, subc                         | utoneously Th                         | In the electron is based as 2 year holdings and semige requests a staff pointers, as well as more inside of perfects.  Secretary the control of the control        |  |  |   | r, heodache, ch                                | ills, myalgia,                        |   |   |                                     |  |
| Intren"-8 or intramuscu<br>(Schering) lian IV three t<br>www.istroom.com Pediatrics: 3 n   |  | times a wee   | k) for 14 weeks                        | si con con con                        | pha interferons,   | including Intro  | in*-A, couse or  | oggravate fata  | l or life-threate                              | ning neuropsyc                        | histric, autoir   | nmune, ischemi                          | c, and infec-                       |  |
| for the first wee  |  | week of ther  | opy followed by                        | dose esco- w                          | tious disorders. Potients should be monitored closely with periodic clinical and lobaratory evaluations. Patients with periodic reversion of the constitution of the c       |  |  |   |  |                                       |   |   |                                     |  |
| IV TIW) subci  |  | rutaneously fi  | r 16 to 24 week                        | 10 million   St                       | орріпд Ілтіоп-н  | theropy.   |  |   |  |                                       |   |   |                                     |  |
| <b>FDR labeled indication:</b> Tre<br>cation (serum HBeRg posit  | otment of ch<br>ive) with elev   | ronic hepotit<br>roted serum A  | is B in patients 1<br>LT are candidate | year of age ar<br>s for treatment     | older with comp<br>t. Studies in the   | iensated liver d<br>se patients den  | isease. Patient<br>constrated that   | s who have been<br>Intran-R thera                       | n serum H8s9g p<br>py can praduce              | ositive for at li<br>virelegic remis: | eest 6 months<br>sion of this dis   | ond have evider<br>ease (loss of se     | ce of HBV repli-<br>rum HBeRg), on: |  |
| normalization of serum am  | inotronsfero   | ses. Intron R   | therspy resulted                       | in the loss of                        | serum 1859g in s   | ame responding   | patients.  |   |  |                                       |   |   |                                     |  |
| lepatitis 8/HIV Co-Infection<br>Currently, there are no tre  | otments appr   | raved by the U  | IS Food and Drug                       | Administration                        | for the treatme  | nt of Hepotitis  | B/HIV co-infec   | tion.A recent, s  | smell trial shows                              | ed that treatme                       | ent with the m  | scleetide analog                        | tenofovir                           |  |
| educes nepatitis a wras ()<br>idding tenofovir to a patie  | nt's current   | antiretrovirol  | regimens drama                         | tically reduced                       | HBY DNA levels.  | ctive in patien  | ts who have dis  | nave not been   | exposed to iam                                 | ivusine, inis st                      | LOY CONTENTED   | OS CONICE US STI                        | ay rinoing that                     |  |
|  |  |   |  |                                       |  |  |  |   |  |                                       |   |   |                                     |  |
| DRUGS FOR THE  | TREAT  | MENT O  | F HEPATI                               | TIS C (OR                             | UGS ARE LIST   | ED IN ALPHA  | BETICAL OR   | DER BY MANU   | IFACTURER)                                     |                                       |   |   |                                     |  |
| DRUG NAME Peginterferon alfo-2a Pegasys* (Rache) www.PE665YS.COM   | FDA LABEL<br>180 pg subci  | utaneously pe   | r week                                 | Th                                    | e most common  | ly reparted adv  | erse reactions i   | n clinical triels                                       | were psychiotric                               | c reactions, inc                      | or at least a munths and have evidence of 1997 repli-<br>remission of this disease closs of room blesh, and<br>vectoment with the notifestide askeds passe(vii).<br>This stelly confirmed an earlier of stelly finding that<br>the property of the property of the property of the property of the<br>root, including degression, instability, areasty, and |   |                                     |  |
| Pegasys*<br>(Roche)  |  |   |  | fil<br>Pe                             | u-like symptoms<br>gosys" may cour   | such as fatigu<br>se or oggravate  | e, fever, mysig<br>fotal or life-th  | is, headoche, o<br>reatening neuro                      | and rigors.<br>apsychiatric, au                | taimmune, iscl                        | nemic, and inf  | ectious disorder                        | s. Potients                         |  |
| NWW.PEERSYS.COM  |  |   |  | sh<br>Th                              | snows se monitored cosely with periodic clinical and laboratory evaluations. Therapy should be withdrown in patients with persistently severe or worsening signs or symptoms of these conditions. In many, but not all   |  |  |   |  |                                       |   |   |                                     |  |
|  |  |   |  |                                       | PORTION LESS TENDESTRUCTION CONTROL OF THE WANDERCOURT)  PROTIETED ALTER PROTOCOMMENTS  The most commonly reported deriver rections in clinical trials were psychologic reactions, including digerenties, initiality, exactly, and found in specific syndromic value for legislations of the protocomment of the p       |  |  |   |  |                                       |   |   |                                     |  |
| DR labeled indications Peg   | osys is indico   | ited clone or i   | n combination w                        | ith Copegus <sup>TM</sup> (           | ribsvinin) for the   | treatment of   | odults with chri   | onic hepotitis C  | virus infection                                | who have comp                         | ensated liver o   | lisease and have                        | not been                            |  |
| Ribavirin  | Genetypes 1  | ,4c   |  | Ri                                    | bovirin should no  | t be given to p  | regnant women  | or women cont   | emploting pregr                                | nency. May cou                        | se birth defect   | ts and/or death                         | of the fetus.                       |  |
| R labeled indication: Pegosys is indicated previously with interferon oil brainin Genetype 475 kg: 1 c75 kg: 1 c75 kg: 1 |  | S kgs 1,000 mg orally per day, divided dose<br>S kgs 1,200 mg orally per day, divided dose  |  |                                       | Blowins should not be given to prepare women or winner contemplating pregnancy. May couse birth defects and/or death of the fetus.<br>Extense core must be taken to evid prepareny in found patients and in female portners of made patients.<br>All Markins can couse benefity coveris. The exemplation prescribed in the Property of the Section 2 secretary and section of the Section 2 secretary and in the Property of the P   |  |  |   |  |                                       |   |   |                                     |  |
| WWW.PEERSYS.COM  | Genetypes 1,4:  475 kgs 1,000 mg orally per day, divided dase 175 kgs 1,200 mg orally per day, divided dase 175 kgs 1,200 mg orally per day, divided dase Dustilion: 45 weeks Genetypes 2,3:  470 ms requirer and by trains delik. |   |  |                                       | genetoxic and mutagenic and should be considered a potential carcinagen according to the FDR lobel.  Bibavirin should not be used in patients with creatinine clearance <50 mUmin.   |  |  |   |  |                                       |   |   |                                     |  |
|  | Duretien: 24   | weeks   | r, conce delly                         | ly                                    |  |  |  |   |  |                                       |   |   |                                     |  |
| DR labeled indication: In c  | ombination v   | with Pegasys I  | peginterferon al                       | fo-2e) for the                        | treatment of ad  | ults with chron  | ic hepatitis C vi  | rus infection wi  | he have compon                                 | soted liver dise                      | ose and have i  | nat been previou                        | sly treated with                    |  |
| Peginterferon alfa-2b  | 1.5 µg/kg su   | bcuteneously  | per week                               | Te                                    | eatment with al  | pha interferons  | , including Peg  | Intron*, is ass   | ociated with ne                                | uropsychiatric,                       | cerdioc, pulm   | enary, 61, and                          | systemic (flu-                      |  |
| Peg-Intron*<br>(Schering)  |  |   |  |                                       | he treatment of dails will observe begants from infection who have compensated into discuss on them not been producely restrict with a few compensate from the common of t       |  |  |   |  |                                       |   |   |                                     |  |
| WWW.PECENTRON.COM  |  |   |  | al ti                                 | likal observe effects. Recours these observe receitions may a new severe in the elderic, coulon about die accuración in the use of Fey-<br>lation in this population.  Bijliah interferens, victioning Pey-Intens, course en opprente festal as life-threstenian pseuropsylchetic, outoimmuse, ischemic, and infer-<br>tions disorders. Petentian in the course of the production of the course of |  |  |   |  |                                       |   |   |                                     |  |
|  |  |   |  | st                                    | orsening signs or<br>opping Peg-Intn   | symptoms of t<br>on theropy.   | nese conditions  | sneed be with   | orawn from the                                 | rapy. In mony l                       | out not all cas   | es, these disord                        | ers resolve afte                    |  |
| <b>DR labeled indication:</b> For<br>nd are at least 18 years a  | use alone or   | in combinetie   | n with Rebetol (                       | ribavinin) copsui                     | les for the treat  | ment of chroni   | c hepatitis C in   | potients not pr   | eviously treated                               | with interfero                        | n alpha who hi  | ove compensate                          | d liver disease                     |  |
| Ribavirin  | 2 x 200 mg o   | copsules oroll  | y, twice deily                         | Mo                                    | ist not be used I  | oy women, or m   | ale portners of  | women, who o  | re or may becom                                | ne pregnant du                        | ning therapy or   | id during the 6 r                       | nonths after                        |  |
| Ribavirin Rebetol* (Schering) WWW.REETSLCOM  |  |   |  | st<br>he                              | stopping therapy. Reactol" and combination Rebetel/Peg-Intron therapy should not be initiated until a report of a negative pregnancy test has been obtained immediately prior to initiation of therapy. Women of childbearing patential and men must use effective controception   |  |  |   |  |                                       |   |   |                                     |  |
| WWW.REBETBL.COM  |  |   |  | (o<br>ec                              | (at least two reliable forms) during treatment and during the 6-month post-treatment follow-up period. Significant teratogenic and/or embryocidal effects have been demonstrated for ribavirin in all animal species in which adequate studies have been conducted. These  |  |  |   |  |                                       |   |   |                                     |  |
|  |  |   |  | ef<br>of                              | o patient during   | at dases as low<br>g treatment or  | as one twentie<br>during the 6 mo  | th of the recon<br>inths after trea                     | rmended human<br>stment stops, pl              | dose of Rebet<br>hysicians are er     | ot. If pregnand<br>accuraged to r   | y occurs in a pe<br>eport such cose     | tient or portner<br>s by calling    |  |
|  |  |   |  | 1-<br>fo                              | Not set be one'd yourne, or main perturn of women, who are a roay become prepare through tensy and doing the 4 mentals offer stopping theory. Metal's and combination behalfully close through would not be noticed and offer superior of an agent or proposery let of the company to the company t       |  |  |   |  |                                       |   |   |                                     |  |