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The Future of Clinical Pharmacy Services in the IHS

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Changes in the Environment of Pharmacy Practice

Pharmaceutical care is defined as “the determination of the drug needs for a given individual and the provision not only of the drug required but also the necessary services (before, during, or after treatment) to assure optimally safe and effective therapy.” Although “pharmacists are moving away from their traditional role as drug dispensers to a new role as full-fledged members of the health care team providing direct, patient-focused care,” the Centers for Medicare and Medicaid Services (CMS) do not recognize pharmacists as approved providers as they recognize physicians, physician assistants, nurse practitioners, nurse midwives, clinical psychologists, and clinical social workers. Pharmacists are currently recognized as a provider only for the provision of immunization services. Despite the transition in the types of services provided by the pharmacist, lack of reimbursement for the pharmacists’ patient care services is impeding the development of new, expanded practice roles.³

To promote pharmaceutical care, pharmacy education has engaged in widespread curricular change to better prepare graduates to assume increased responsibility for patient care.⁴ In addition to a degree conferred by a college or university, the Council on Credentialing in Pharmacy has defined two other basic types of pharmacist credentials: 1) licensure, to demonstrate that the pharmacist has met the minimum requirements needed to practice pharmacy in a given state, and 2) certification or post-graduate degrees.⁵ Advanced certification programs require advanced training, documented experience in the area of practice, expertise in the area of practice as demonstrated by passing examinations or evaluations, and constant continuing education or passing of examinations to maintain certification.

- The American Pharmaceutical Association (APhA) developed the first certification board called the Board of Pharmaceutical Specialists (BPS) in 1976. They developed a program that would: 1) recognize specialties in pharmacy practice, 2) set standards for certification and recertification, 3) objectively evaluate individuals seeking certification and recertification, and 4) serve as a source of information and coordinating agency for pharmacy specialties. Five specialty practice areas are recognized by the BPS: 1) nuclear pharmacy (BCNP), recognized in 1978, 2) nutrition support pharmacy (BCNSP), recognized in 1988, 3) pharmacotherapy (BCPS), recognized in 1988, 4) psychiatric pharmacy (BCPP), recognized in

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1992, and 5) oncology pharmacy (BCOP), recognized in 1996. Board Certification provides standardized credentials for pharmacists who practice within a realm of medicine.

- The American Society of Consultant Pharmacists (ASCP) established the Commission for Certification in Geriatric Pharmacy (CCGP) in 1997. This certifying body was created to credential pharmacists practicing geriatric pharmacy as a Certified Geriatric Pharmacist (CGP).
- The National Institute for Standards in Pharmacist Credentialing (NISPC) provides an alternative method to credential pharmacists to provide focused disease state management (DSM) services. The NISPC was established in 1998 by the American Pharmaceutical Association (APhA), the National Association of Boards of Pharmacy (NABP), the National Association of Chain Drug Stores (NACDS), and the National Community Pharmacists Association (NCPA). The goal of the NISPC is to provide documentation of a pharmacist's competency in the areas of diabetes, asthma, dyslipidemia, and anticoagulation.
- In addition to pharmacy-specific certification, pharmacists may be credentialed through other programs including: 1) the National Certification Board for Diabetes Educators (NBCDE) as a Certified Diabetes Educator (CDE), 2) the NBCDE's Board Certified Advanced Diabetes Management (BCADM), 3) the American Academy of Pain Management (AAPM), 4) American Academy of Wound Management (AAWM) as a Certified Wound Specialist (CWS), 5) the Certification Board of Infection Control and Epidemiology (CBIC) as an Infection Control Professional (ICP) using the CIC (Certified in Infection Control) signature, 6) the National Association of Healthcare Quality (NAHQ) as a Certified Professional in Healthcare Quality (CPHQ), and 7) the Healthcare Information and Management Systems Society (HIMSS) as a Certified Professional in Healthcare Information and Management Systems (CPHIMS), among others.

In 1996, the scope of pharmacy practice in the IHS was broadened to include prescriptive authority when Dr. Trujillo, the previous IHS Director, recognized IHS pharmacists as primary care providers in his October 18, 1996 memorandum:

“Clinical Pharmacy Specialists will be included in the IHS definition of a primary care provider for the purposes of workload reporting, program planning, and reimbursement from all third party payers. An appropriate primary provider code will be assigned to CPS.”

Representatives from the IHS pharmacy program and leaders from CMS discussed recognition of pharmacists as primary care providers. A recommendation was made by CMS to develop a credentialing program to assure consistency and quality of care for patients treated or managed by IHS pharmacists. This and other factors led to the development of the National Clinical Pharmacy Credentialing Committee (NCPSCC) in 1997. Since that time, more than fifty-four IHS pharmacists have become certified by the NCPSCC and are participating in at least one of eight different collaborative disease state management practices including: anticoagulation, dyslipidemia, coronary artery disease, diabetes, asthma, hypertension, end-stage renal disease, pain management, and tobacco cessation. NCPS certified pharmacists are providing disease state management and patient education based upon national interdisciplinary protocols, medication education and evaluation, and a review of the patient's medical record to ensure medication safety with every patient visit.

Pharmacists Are Gaining the Opportunity and Privileges to Engage in Pharmaceutical Care Services Including Medication Therapy Management Services

The number of midlevel practitioners such as physician assistants (PA), nurse practitioners (NP), and clinical pharmacy specialists (CPS) has been increasing,⁶ and states have passed laws expanding the scope of practice for non-physician providers.⁷ Many states now recognize pharmacy collaborative practice agreements and collaborative drug therapy management (CDTM). A collaborative practice agreement is a voluntary agreement among health care professionals of multiple disciplines, including prescribers and pharmacists, that define cooperative practice procedures for the management of disease states. CDTM is defined as a voluntary practice in which prescribers authorize pharmacists



to perform specific tasks, including evaluating, initiating, or adjusting drug therapy. These activities vary based on the definitions of the collaborative practice agreement and state law concerning collaborative practice agreements.⁸ State legislation concerning CDTM may assist pharmacists in obtaining reimbursement for cognitive services, especially from programs such as Medicaid.⁹

Many states have statutes regarding CDTM. Alaska, Idaho, Oregon, and Vermont have regulations concerning CDTM, but no specific legislation.¹⁰ The Tennessee Board of Pharmacy recognizes pharmacists' CDTM authority; however, there are no statutes or regulations concerning it.¹¹ Most state Boards of Pharmacy encourage expanded pharmacy practices; Alabama, Delaware, Massachusetts, Missouri, New Hampshire, New York, Oklahoma, West Virginia, and the District of Columbia are the only states that do not allow some form of collaborative practice, and legislation or regulations allowing the practice are pending in Alabama, Massachusetts, and New York.¹⁰

Methods Pharmacists Currently Use for Billing and How IHS Pharmacists Can Use Them

Reimbursement for services can change the future practice of pharmacy and further enable pharmaceutical care practices, MTMS, and CDTM. Pharmacists are currently utilizing a number of methods to obtain reimbursement for provided services. Since pharmacists are not recognized by CMS as providers, many of these billing methods utilize a "back door" approach and may not be applicable or feasible to the practice of pharmacy within the IHS. Pharmacists have documented successful billing through inpatient consultations, outpatient services utilizing the "incident to physician services" regulations, (also known as the "incident to" rule), through direct billing, through salaried collaborative practice agreements in a physician's office, in which physicians pay the pharmacist a fee to provide CDTM service to their established patients, as mass immunizers, for procedures performed (point-of-care testing services), or through the provision of diabetes self-management.¹²

Rather than describe each of these methods of reimbursement, it is important to recognize some of the key elements required and the limitations of billing within the IHS. Documentation remains the key to pharmacy billing, and pharmacists must have a keen understanding of the third party requirements for documentation in order to bill successfully. Documentation requirements will depend upon the insurance and services for which reimbursement is being requested.

Although most outpatient services are using an outpatient prospective payment system (PPS) to bill for outpatient services as required by the *Balanced Budget Act of 1997*, the IHS has received a waiver from CMS to bill utilizing a "flat rate," also called the "all inclusive rate." Any service performed by a CMS-recognized provider in the IHS receives the same amount of payment whether that service is placing a cast on a patient's leg after an accident or providing a

comprehensive diabetes examination.

This decision was made after a successful petition to the CMS filed by the IHS demonstrating that a number of IHS facilities did not have an adequate number of certified coders and that coding requirements could prevent some IHS facilities from receiving adequate reimbursement to remain operational. The flat rate waiver has prohibited the use of the "incident to" rule as well as the use of alternative billing mechanisms that are available to pharmacists in other outpatient institutions and settings.

The "incident to" rule enables nonrecognized health care providers, such as pharmacists and nurses, to provide services under the supervision (being in the same office or clinic) of the CMS-recognized provider, such as a physician, PA, or nurse practitioner. To use the "incident to" rule and receive reimbursement, 1) the patient must be initially worked up by the provider, and the provider must refer the patient to your service, 2) the provider must work for the same employer as you, and 3) you must be available if needed (within the office or clinic during the incident to visit).^{13,14} In addition, as most IHS facilities are classified as hospitals, even though the outpatient workload may be much greater than the inpatient, this negates the ability to bill through many outpatient modalities. The prohibition of pharmacy practice standards has resulted from the inability of IHS pharmacists to bill for cognitive services.

Some methods have demonstrated success within the IHS pharmacy program. In certain states in which the legislature recognizes the pharmacist as a provider, pharmacists can bill for and receive reimbursement from Medicaid and some private insurance. Another process to legally enable reimbursement for pharmacy services is to incorporate a physician visit face-to-face with the patient to evaluate and review the pharmacist's assessment and plan. The physician can then assign an appropriate Evaluation and Management (E&M) code to the visit, which is used for billing purposes. While this method can result in increased collections, it is somewhat impractical and cumbersome for the physician, the pharmacist, and the patient. Other billing modalities have been tried, and there may exist other success stories, albeit with limited experience.

Since the CMS recognizes pharmacists as providers of immunizations, many pharmacists have embraced this role as a first step in obtaining provider recognition. Immunization services are encouraged by the American Pharmaceutical Association (APhA), the ASHP, the American College of Physicians (ACP), and the American Society of Internal Medicine (ASIM).^{15,16,17} To bill for immunization services, pharmacists should complete an application form (Form 855) through their CMS carrier. Since the IHS utilizes Trailblazers as their fiscal intermediary and carrier, applications should be submitted to Trailblazers; however, recent conversation has suggested that pharmacists can utilize the facility Medicare number to bill for immunization services. The ability to

provide immunization services is determined by the pharmacist's state regulations and the local medical staff bylaws, even though they can be recognized and reimbursed, as immunization providers, just like physicians and other CMS-recognized providers.

Medication Therapy Management Services

The American Society of Health System Pharmacists (ASHP) conducted a survey among 1,004 adults nationwide. Eighty-three percent of respondents said they would be interested in having a pharmacist work closely with them and their physician to monitor how well their medication is working. The vast majority (93 percent) of respondents who were interested in having a pharmacist monitor their medication said they would support this as a new Medicare benefit.¹⁸ Legislation entitled the *Medicare Pharmacist Services Coverage Act of 2001* was developed to amend title XVII (Medicare) of the *Social Security Act (SSA)*, as amended by the *Medicare, Medicaid, and SCHIP Benefits Improvement and Protection Act of 2000*. Although this act was unsuccessful, the *Medicare Prescription Drug Improvement, and Modernization Act (MMA) of 2003* provides Medicare coverage of Medication Therapy Management Services (MTMS) for beneficiaries who choose to participate in the new Prescription Drug Plan (PDP) that will be added to Medicare Part D in 2006. The provisions of MTMS specify a pharmacist as a health professional who may deliver these services to the beneficiaries. Only recently, through this legislation, were pharmacists added to the Medicare health system.²⁰ MTMS identifies a pharmacist as a healthcare professional to provide improved therapeutic outcomes services, which gives *de facto* privileges allowing the pharmacist to assume provider status.²⁰

In July 2004 the CMS released regulations from the *Health Insurance Portability and Accountability Act 1996*, to assign a National Provider Identifier (NPI) to health care providers. Pharmacists, included in their regulation, are eligible to acquire an NPI.²¹ This provider status definition and the ability to obtain an NPI serve as stepping stones to enable the pharmacist to work towards the potential for billing and compensation for cognitive services.

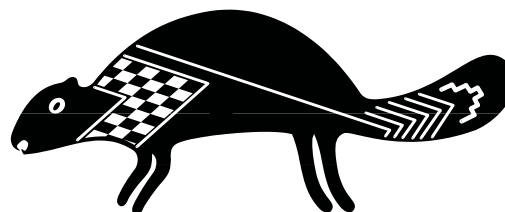
A Pharmacy Practice Activity Classification (PPAC), was developed in 1998 by the major nationally recognized pharmacy organizations to assign fees for the various services that pharmacist performs.²² These services have been divided into four domains of pharmaceutical activity: 1) ensuring appropriate therapy and outcomes, 2) dispensing medications and devices, 3) health promotion and disease prevention, and 4) health systems management; these activities may be used by pharmacists for obtaining compensation for services similarly to the method by which "V" codes are used. In May 2004, the Pharmacy Profession Stakeholders Conference adopted this classification system as a building block for the creation of a definition and program criteria outline of MTMS.²⁰ Since the components of this system are designed to cover a broad range

of pharmacist services, it is appropriate to use it as a billing mechanism. As individual pharmacists begin the practice of billing, the PPAC will prove to be helpful in defining what services pharmacists have provided and how these services should be billed. When establishing fees for therapeutic services, PDPs will be required to account for resources and time of services. This requirement within the PDP helps establish professional fees for pharmacist MTMS and CDTM.

IHS Pharmacy and the Future

One of the many components of pharmaceutical care is the "responsible provision of drug therapy for the purpose of achieving definite outcomes that improve a patient's quality of life."²³ Through the NCPSCC, the IHS Pharmacy program is making every effort to ensure that IHS pharmacists will be ready for provider recognition and the ability to bill for cognitive services. To ensure a proactive stance on this issue, the NCPSCC has performed a focused evaluation of the necessary steps that will be required to gain provider recognition when available. These steps include: 1) development of a recognized certification body to evaluate collaborative practice agreements (policies and procedures) and pharmacists, 2) utilization or development of a standardized set of national outcomes for the disease state management services provided, 3) design of a tool to easily collect outcomes data, and 3) publication of reports (local and national) regarding outcomes data to evaluate the effect of pharmacist collaborative practices.

As previously described, the NCPSCC established a national system for credentialing IHS, tribal, and urban (I/T/U) pharmacists in an effort to promote enhanced patient outcomes. The standardization of outcomes data is underway. The CMS defines outcomes data as "data that measure the health status of people enrolled in managed care resulting from specific medical and health interventions." Outcomes data help to ensure that programs accredited by the NCPSCC are continuously evaluating their programs for aspects that are working well or that may be improved. They may also be used as tools to demonstrate the efficacy of pharmacist managed programs. National IHS standards for anticoagulation have been approved, and additional disease states will continue to be evaluated. Michael Pike, a programmer working at the Shiprock Service Unit in New Mexico has been developing a tool to enable the appropriate collection of outcomes data that will easily integrate or adapt to current workflow processes. Completion of this project is expected in early 2005 and will enable outcomes data to be securely sent to a central database



where it can be collected and evaluated. Individual site data will only be available to the specific site, and no personal health information or patient identifiers will be transferred. Finally, with the cooperation of pharmacists and I/T/U sites, the IHS will be able to develop and provide reports on a national level that can potentially be used to strengthen the case for pharmacist recognition as a provider and enhanced opportunities to bill for clinical pharmacy services.

The ability of pharmacists to gain provider recognition is the most vital factor in determining the future of pharmacy practice. The ability of pharmacists in the IHS to bill for the cognitive services provided, (pharmaceutical care practices, MTMS, or CDTM), is severely hindered by the current billing structures, although some sites may receive reimbursement by state and private insurances. The potential for CMS provider recognition exists for the profession of pharmacy with the release of the MMA. To achieve this goal, national pharmacy organizations are developing a billing structure to enable pharmacists to bill for various cognitive services. With all of these efforts, the IHS is establishing a performance improvement and quality assurance program to establish a necessary framework for pharmaceutical care.

If you are a pharmacist providing pharmaceutical care services, MTMS, or CDTM, be sure to become a member of the National Clinical Pharmacy Specialist (NCPS) program and provide your support for the future practice of pharmacy. NCPS applications can be obtained at <http://home.pharmacy.ihs.gov>.

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The Beers Criteria

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Approximately 40% of people over the age of 65 years receive at least five medications, and 12% receive ten or more, accounting for nearly one-third of all drug prescriptions in the United States.¹ Polypharmacy and the effects of aging (altered pharmacokinetics and pharmacodynamics), contribute to an increased incidence of adverse drug reactions within this population.² Adverse drug events (ADEs) are associated with approximately 30% of hospitalizations in the elderly³; 38% of these ADEs are classified as life-threatening or fatal, and 28% are identified as being preventable.⁴ One tool that is used to reduce the risk of ADEs in the elderly is the Beers Criteria.

In 1991, Dr. Beers and colleagues developed the first guidelines, (termed the Beers Criteria), for the use of medications in nursing home patients.⁵ These criteria identify and discourage the use of medications associated with an increased risk of adverse effects when used in patients residing in nursing homes. Medication selection for inclusion in the Beers Criteria is based upon an evaluation of the medical literature and expert opinions in various fields, e.g., pharmacology, geriatrics, and long term care.

In 1997, the Beers Criteria were expanded⁶ to provide guidelines for evaluating the appropriateness of medication regimens in all geriatric patients, regardless of their level of care. The Beers Criteria were updated once more in 2003,⁷ to reflect new knowledge of the pharmacologic changes associated with the aging process, such as up-regulation and down-regulation of receptors⁸ and the general decline in the body's ability to maintain cardiovascular stability, pulmonary function, renal function, and bone mineral density.⁹ These changes make elderly patients more susceptible to the adverse effects of medications, and the risk of an ADE increases with the number of medications patients are receiving.

For the past ten years, the Beers Criteria have been the most widely used guidelines for evaluating medication use in the elderly. The criteria serve regulators as a drug utilization review tool,¹⁰ as an assessment tool in many studies,¹¹ and they have been adopted by the Centers for Medicare and Medicaid Services in July 1999 for nursing home regulations. While the Beers criteria have been criticized as "too simplistic and limiting the freedom of physicians to prescribe,"¹² they remain the most well developed and studied explicit criteria for prescribing for the elderly.

The practice of using explicit, evidence-based criteria for evaluating the appropriateness of medication prescribing has achieved widespread acceptance.⁶ Nonetheless, many older patients are still prescribed medications found on the Beers list. Studies have indicated that 14% to 40.3% of elderly patients in various settings receive a medication appearing on the Beers list.⁹

The importance of appropriate medication use in the elderly is uncontested. In 2011, the first of the "baby boomers" will turn 65 years of age. Without appropriate utilization of medications, the number of adverse drug events will continue to increase. Healthy People 2010, a national initiative to improve the health of all Americans, calls for regular medication reviews in older patients. Explicit, evidence-based criteria, as exemplified by the Beers criteria, are critical for ensuring appropriate prescribing for the elderly. Safer treatment alternatives are available for each medication appearing on the Beers Criteria; increased utilization of these safer treatments remains a goal of geriatric medicine.

The latest revision of the Beers criteria can be accessed at <http://archinte.ama-assn.org/cgi/reprint/163/22/2716.pdf>. A PDA version of the Beers Criteria is located at <http://www.free-warepalm.com/medical/beers/list.shtml>.

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Evaluation of Medication Use in the Elderly at the Cherokee Indian Hospital Using the Beers Criteria

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Background

Approximately 10% (n=1,007) of the user population at the Cherokee Indian Hospital is greater than 65 years of age (defined as patients age 65 or older with at least two visits to the Cherokee Indian Hospital within the past three years). Chronic diseases such as diabetes, heart disease, arthritis, and pulmonary disorders are highly prevalent among this age group and necessitate increased evaluation of pharmacotherapy. The Beers Criteria provide a tool to assess the safety of medications prescribed to elderly patients.

Methods

The most recent version of the Beers Criteria was compared to the Cherokee Indian Hospital (CIH) formulary. Formulary medications that appear on the Beers Criteria were identified and a retrospective search of the Resource Patient Management System (RPMS) was conducted to search for patients age 65 or greater who had been prescribed such medications during the time period December 1, 2003 and December 1, 2004.

Example

Q-man search:
 Living patients
 Age greater than 64 years

Rx: atropine

Select from the pharmacy system list of medications in the RPMS

Condition: between dates 12/1/03 and 12/1/04

Print results...

Results

A total of 319 patients (31.7% of patients age greater than 64 years) were prescribed 553 medications that appeared in the Beers Criteria during the 1-year study period. The number of medications prescribed appears in Table 1. The most commonly prescribed medications were diphenhydramine, naproxen, and propoxyphene.

Table 1. Number of patients prescribed medications from the Beers Criteria.

Number of Medications	Number of Patients	Percent of Patients
1	176	17.5
2	79	7.8
3	43	4.3
4	17	1.7
5+	4	0.2
Total	319	31.7

Discussion

The results of this retrospective evaluation reveal that 31.7 percent of patients age 65 years or older are prescribed at least one medication that appears in the Beers Criteria. These results are consistent with results elsewhere in the medical literature, in which 14 to 40% of elderly patients in various settings were prescribed at least one of these medications. The importance of recognizing medications for which safer alternatives may exist was the primary goal of this review; the impact of prescribing practices on adverse events is beyond the scope of this review. It is important to note that for most of the

medications on the Beers list, there are alternative medications or dosing strategies with a lower risk of adverse effects. This is particularly true for those Beers Criteria medications most commonly prescribed at CIH, such as diphenhydramine, propoxyphene, and amitriptyline.

Having identified commonly prescribed medications on the Beers Criteria through this medication review, the Cherokee Indian Hospital is developing a performance improvement process, including education and a formulary review, to encourage the use of therapeutic alternatives to medications appearing on the Beers Criteria.

Table 2. Most commonly prescribed medications on the Beers Criteria at CIH

Medication	Number of Patients	Reason to Avoid in Elderly	Severity Rating
Diphenhydramine	76	May cause confusion and sedation; should not be used as a hypnotic	High
Naproxen	75	Potential for GI bleed, renal failure, high blood pressure, and heart failure	High
Propoxyphene	63	Offers few analgesic advantages over acetaminophen, yet has the adverse effects of other narcotic drugs.	High
Amitriptyline	31	Anticholinergic and sedative effects	High
Clonidine	29	Orthostatic hypotension, CNS adverse effects	Low
Promethazine	28	Poorly tolerated in elderly, due to anticholinergic adverse effects, sedation, and weakness	High
Cyclobenzaprine	28	Potent anticholinergic effects	High
Ketorolac	24	High incidence of adverse GI effects	High
Oral estrogen	23	Potentially carcinogenic, lacks cardioprotective effects in older women	Low
Hydroxyzine	21	Potent anticholinergic effects	High
Ferrous sulfate > 325mg/day	18	Increase incidence of constipation, but no increase in amount absorbed	Low
Oxybutynin	17	Poorly tolerated in elderly, due to anticholinergic adverse effects, sedation, and weakness	High
Methocarbamol	17		High
Indomethacin	15	Most CNS adverse effects of all the NSAIDS	High
Nitrofurantoin	14	Potential renal failure	High
Piroxicam	11	Potential for GI bleed, renal failure, high blood pressure, and heart failure	High
Digoxin > 0.125mg/d	10	Decreased renal clearance may lead to increase risk of toxic effects	Low
Lorazepam > 3mg/d	9	Highly anticholinergic, questionable effectiveness	High
Hyoscyamine	9	Increased sensitivity seen in elderly patients, smaller doses are desired	High
Meperidine	6	Oral dosing not effective, potential for CNS adverse effects, safer alternatives	High

Adapted from Table 1, *Arch Inter Med.* 2003;163:2719-20

Editor's Note: The following is a digest of the monthly Obstetrics and Gynecology Chief Clinical Consultant's Newsletter (Volume 2, No. 12, December 2004) available on the Internet at <http://www.ihs.gov/MedicalPrograms/MCH/M/OBGYN01.cfm>. We wanted to make our readers aware of this resource, and encourage those who are interested to use it on a regular basis. You may also subscribe to a listserv to receive reminders about this service. If you have any questions, please contact Dr. Neil Murphy, Chief Clinical Consultant in Obstetrics and Gynecology, at nmurphy@anmc.org.

OB/GYN Chief Clinical Consultant's Corner Digest

News Flashes

The IHS Advanced Colposcopy course/Refresher Workshop will be held March 30 - April 1, 2005 in Albuquerque, New Mexico (see Dr. Waxman's comments, below).

The IHS/ACOG Postgraduate Course: Obstetric, Neonatal, and Gynecologic Care will be held June 19 - 23, 2005 in Denver, Colorado. For more information, contact Yvonne Malloy at ymalloy@acog.org or call (202) 863-2580.

Abstract of the Month

Tension-Free Vaginal Tape Procedure Effective Long-Term for Urinary Incontinence.

Objective: To evaluate the long-term cure rates and late complication rates after treatment of female urinary stress incontinence with the minimally invasive tension-free vaginal tape operation.

Methods: Prospective observational, three-center cohort study originally of 90 women requiring surgical treatment for primary urinary stress incontinence. Assessment variables included a 24-hour pad weighing test, a stress test, visual analog scale for assessing the degree of bother, and a questionnaire assessing the subjective perception of the women on their continence status.

Results: The follow-up time was a mean of 91 months (range 78 - 100 months). Both objective and subjective cure rates were 81.3% for the 80 women available for follow-up. Asymptomatic pelvic organ prolapse was found in 7.8%, de novo urge symptoms in 6.3%, and recurrent urinary tract infection in 7.5% of the women. No other long term adverse effects of the procedure were detected.

Conclusion: The tension-free vaginal tape procedure for treatment of female urinary stress incontinence is effective over a period of seven years. Level of evidence: II-3.

Nilsson CG, Falconer C, Rezapour M. Seven-year follow-up of the tension-free vaginal tape procedure for treatment of urinary incontinence. *Obstet Gynecol.* 2004 Dec;104(6):1259-62.

OB/GYN CCC Editorial Comment:

The "green journal," *Obstetrics and Gynecology*, also presented four other articles (see below) on tension free

vaginal tape (TVT) this month as this procedure is "coming of age." The abstract above describes the seven-year success rate in a prospective three-center study in two Nordic countries. The results were comparable to the Burch procedure. One other article describes a comparison with the laparoscopic Burch procedure. Of special note are the three articles on complications associated with the TVT procedure. This procedure has a distinct learning curve. I suggest that providers seeking to add this procedure to their therapeutic armamentarium do so with a mentor, and follow their initial results in a departmental quality assurance project.

There are other tape-related incontinence procedures that a provider might want to explore. ANMC had been an early adapter to TVT in Indian health and has experience with other helpful new methods. Please contact me directly for questions on the ANMC experience. Here are the other related articles.

Laparoscopic Burch colposuspension versus TVT: a randomized trial.

Conclusion: The TVT procedure results in greater objective and subjective cure rates for urodynamic stress incontinence than does laparoscopic Burch colposuspension. Level of evidence: I. Paraiso MF, et al. Laparoscopic Burch colposuspension versus tension-free vaginal tape: a randomized trial. *Obstet Gynecol.* 2004 Dec;104(6):1249-58.

Prevalence of persistent and de novo overactive bladder symptoms after the TVT.

Conclusion: The proportion of patients in whom de novo overactive bladder or urge incontinence symptoms developed postoperatively is low, and approximately 57% of patients with preoperative overactive bladder symptoms can expect resolution of these symptoms after a TVT. Segal JL, et al. Prevalence of persistent and de novo overactive bladder symptoms after the tension-free vaginal tape. *Obstet Gynecol.* 2004 Dec;104(6):1263-9.

Lateral excision of TVT for the treatment of iatrogenic urethral obstruction.

Conclusion: Urethral obstruction after TVT is a relatively uncommon condition. It can be effectively treated with transvaginal lateral excision of the tape. Recurrent stress incontinence seems to be less likely to occur when the takedown procedure occurs beyond 14 days after the initial TVT operation. Level of evidence: III. Long CY, et al. Lateral

excision of tension-free vaginal tape for the treatment of iatrogenic urethral obstruction. *Obstet Gynecol.* 2004 Dec;104(6):1270-4.

Necrotizing surgical site infection after tension-free vaginal tape.

Conclusion: This is the first case of necrotizing surgical site infection after TVT placement. Infectious morbidity risks need to be considered in these procedures. Connolly TP. Necrotizing surgical site infection after tension-free vaginal tape. *Obstet Gynecol.* 2004 Dec;104(6):1275-6.

From Your Colleagues:

Alan Waxman, Retired IHS OB/GYN CCC

This year we are offering a review and update for OB/GYNs, FPs and APNs currently doing colposcopy or in their preceptorships March 30 - April 1, 2005 in Albuquerque, New Mexico.

Regarding colposcopy “certification” for the non-OB/GYN provider, one might ask, How many colposcopies in a year does a non-OB/GYN provider need to perform to maintain their “certification”? Are there standards established, or are there criteria with regards to credentials? If not, how would you recommend verification of a non-OB/GYN provider’s continued competency in this procedure?

First there is no “certification” for colposcopy. The IHS has recommendations for initial colposcopy privileges the completion of 50 supervised exams, and the ASCCP’s Mentorship program requires 25 exams (at least three high grade) with written examination. The ASCCP program is a training program that many practices use as de facto certification. No one has established criteria for maintenance of privileges. When we set up the IHS program, we established 60 exams a year as a “reasonable” number to stay competent. Some providers can do fewer and remain competent, some would need to do more, but an average of five a month sounded reasonable.

There are no data to support one volume of experience over another. Because many I/T/U settings have a low volume of abnormal Paps, but geographic isolation justifies an on-site colposcopist, the IHS epidemiology program, with support from the CDE, has established a program of annual continuing colposcopy education with emphasis on small group case reviews and lots of images of high grade lesions. I’d suggest that if there is a question of competence with any non-OB/GYN provider, he/she should plan to come to the IHS Refresher course this year and at least every other year. That’s a good way to document that he/she has maintained his or her competence.

In consecutive years there are Basic IHS Colposcopy Workshops alternating with IHS Advanced Colposcopy course/Refresher Workshops. These occur in March or April of each year. Check on the MCH Conference webpage for more information.

Hot Topics

Obstetrics

IHS prenatal assessment form: alcohol, tobacco, substance abuse, domestic violence, other home issues. This IHS form (for identifying potentially “at risk” women of childbearing age) is far superior to any form that is currently being used (e.g., CAGE) for this purpose. Aberdeen Area is implementing the form Area-wide. This may be a good activity for an FAS/D initiative – to go with the new GPRA indicator 11.

Child Health

Parents believe that they are not completely in control of their children’s television. If this is correct, parents would both welcome and benefit from tools and strategies that would help them exert more control over their children’s television habits and reduce their hours of viewing. Christakis DA, Ebel BE, Rivara FP, et al. Television, video, and computer game usage in children under 11 years of age. *Journal of Pediatrics.* 2004;145(5):652-656.

Exposure to even one cigarette raised the odds of future smoking. Relatively small increases in the number of cigarettes consumed during childhood are associated with significantly higher odds of current, established, and daily smoking in adolescence. Jackson C, Dickinson D. Cigarette consumption during childhood and persistence of smoking through adolescence. *Archives of Pediatrics and Adolescent Medicine.* 2004;158(11):1050-1056.

Teen contraceptive use has become more effective since 1995. Adolescents in 2002 delayed first intercourse for longer than adolescents in 1995. Adolescents in 2002 used contraceptives more often than adolescents in 1995. Trends in sexual activity and contraceptive use as measured from 1995 through 2002 are consistent with the downward trend in pregnancies and births to adolescents that has been observed since 1991. NCHS Fact sheets available

Features:

ACOG

Informed Refusal. ACOG Committee Opinion Number 306, December 2004.

Abstract: Informed refusal is a fundamental component of the informed consent process. Informed consent laws have evolved to the “materiality or patient viewpoint” standard. A physician must disclose to the patient the risks, benefits, and alternatives that a reasonable person in the patient’s position would want to know to make an informed decision. Throughout this process, the patient’s autonomy, level of health literacy, and cultural background should be respected. The subsequent election by the patient to forgo an intervention that has been recommended by the physician constitutes informed refusal. Documentation of the informed refusal process is essential. It should include a notation that the need for the intervention, as well as risks, benefits, and alternatives

to the intervention, and possible consequences of refusal, have been explained. The patient's reason for refusal also should be documented. Informed refusal. ACOG Committee Opinion No. 306. American College of Obstetricians and Gynecologists. *Obstet Gynecol.* 2004;104:1465–6.

OB/GYN CCC Editorial comment:

Every IHS and tribal facility should have a vigorous program to document informed refusal with their patients. The document above outlines excellent basic tenets.

Ultrasonography in Pregnancy

Number 58, December 2004. ACOG Practice Bulletin

Conclusions:

- Ultrasound examination is an accurate method of determining gestational age, fetal number, viability, and placental location. Gestational age is most accurately determined in the first half of pregnancy.
- The ability of ultrasonography to diagnose major fetal anomalies is well established.
- The diagnosis of fetal growth abnormalities with ultrasonography is not precise.
- Ultrasonography is safe for the fetus when used appropriately.
- Specific indications are the best basis for the use of ultrasonography in pregnancy.
- The optimal timing for a single ultrasound examination in the absence of specific indications for a first-trimester examination is at 16–20 weeks of gestation.

Summary of Recommendations

The following recommendation is based on limited or inconsistent scientific evidence (Level B):

- Serial ultrasonograms to determine the rate of growth should be obtained approximately every 2–4 weeks.

The following recommendations are based primarily on consensus and expert opinion (Level C):

- Casual use of ultrasonography, especially during pregnancy, should be avoided.

- Before an ultrasound examination is performed, patients should be counseled about the limitations of ultrasonography for diagnosis.

Ultrasonography in pregnancy. ACOG Practice Bulletin No. 58. American College of Obstetricians and Gynecologists. *Obstet Gynecol.* 2004;104:1449–58.

Ask the Librarian Clinical Informationist, Diane Cooper Children Having Children

The birth rate of 10 - 14 year-old American Indian girls has decreased again according to the National Center for Health Statistics. For the latest recorded year, 2002, the rate was 2.1 per 1,000 females in that age group. In 2000, it was 2.7, and in 1999, it was 4.1. These rates are lower than for Hispanics (3.6 in 2002) and non-Hispanic blacks (4.7 in 2002). For all races the 2002 rate was 1.7. "American Indian" includes Aleuts and Eskimos. (*National Vital Statistics Reports November 15, 2004*). Contact your Clinical Informationist - IHS, Diane Cooper at cooperd@mail.nih.gov.

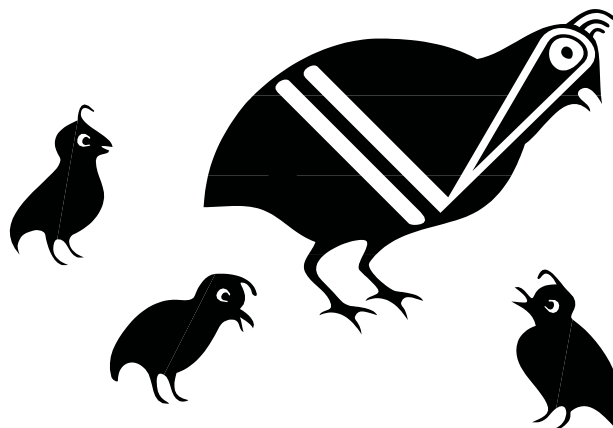
Family Planning

Do Combination Contraceptives Cause Weight Gain?

Conclusion: Available evidence is insufficient to determine the effect of combination contraceptives on weight, but no large effect is evident. Gallo MF, Grimes DA, Schulz KF, Helmerhorst FM. Combination estrogen-progestin contraceptives and body weight: systematic review of randomized controlled trials. *Obstet Gynecol.* 2004 Feb;103 (2):359-73.

OB/GYN CCC Editorial comment:

The worry about possible significant weight gain with combination oral contraceptives (OCP) use is a commonly articulated reason for patients not to use OCPs. The results can be associated with subsequent unintended pregnancy. Please share the above information from systematic review of randomized controlled trials with your patients.



Your “New” Library

You have a new library on your desk, “you” being the Indian Health Service, the Administration on Aging, the HHS Regional Offices, the Health Services and Resources Agency, and several other PHS agencies, and “library” being a virtual library that can deliver electronic and hard copies of articles, books, and reports. Your library-on-a-desk is provided by the Health Services and Research Library (HSRL), a branch of the National Institutes of Health Library.

In this issue, we introduce you to the library website. Future columns will provide more information. First, go to the website, <http://hsrl.nihlibrary.nih.gov>.

Looking at the home page, below, you may marvel at the artistic embellishments and pleasant colors. Or not. You may just want to use the site to get your job done, and that’s what we are helping with today. To begin with, focus your attention on the frame on the left. Here’s an explanation of that list.



Ask Us Live!

If you give up (don’t give up yet!) you can click here and chat live online with a librarian who can help you find what you are looking for. Or you can always call or e-mail me, and I will help.

Search Online Journals

This is a fast way to determine if you have online access to a particular journal. For example, say you want an article from the *New England Journal of Medicine*. Just type *New England Journal of Medicine*, and see that it says “not owned.” Ha! But it lies! So, again, don’t give up yet. Go down to the **Quick Links** area if you don’t find the journal you want (see below)

and click **Online journals**. This provides an alphabetical listing of online journals. Find the journal title you want, click on the title and go to the publisher’s table of contents.

Advanced Search

This feature is not really “Advanced.” It doesn’t allow you to narrow down a search, but rather produces a broader search. It allows you to search a subject in three resources at one time. You can find articles in PubMed or books that are held in HSRL or in the National Library of Medicine. Maybe it should be called “Expanded Search.”

Quick Links

Provides “quick links” (truth in advertising!) to frequently used sources. So if you wanted, you could make your library website your home page, at least at the office. Here’s a summary of what is linked.

Online catalog. Find books, other non-journal holdings, by subject, title, or author. You can request a loan of books by using “Document Delivery” (see below). *Online journals.* This produces an alphabetical list of journal holdings. If you want an article from the *New England Journal of Medicine*, press *N*, scroll down the list, and there is *New England Journal of Medicine*, for which you have access online to issues from 1993 to the present. Click on the journal title and you will arrive at the journal’s own table of contents pages. You can find and click on the article you want. *Order a document.* You want a printed copy of a journal article? Here’s how to get it. This link will take you to a page with a listing of agencies HSRL serves. You will find Indian Health Service in this listing, so click on it. Next will be a form for journal title, volume, pages and year or for book title and author. Just hit *submit* and off it goes to be delivered back to you in a couple of

day in PDF format in your email box. There is no charge to you.

PubMed. Links to your trusty National Library of Medicine search engine for MEDLINE. PubMed hints will be presented in another column.

Web of Science. This database gives you access to *Science Citation Index* and *Social Sciences Citation Index*. *Web of Science* provides a unique search method, cited reference searching. With it, you can navigate backward in time using *Cited References* to find the research that influenced an author’s work. Navigate forward in time using *Times Cited* to discover the impact a paper had on current research. Details on how to search this database will be presented in a future column.

PubMed Document Delivery. When you search in PubMed and select references you want, you can order those references while in PubMed and not have to complete an “Order a Document” form that was explained above. However, in order to request articles while in PubMed, you will need to obtain a library identifier (LIBID) code. Use this link to get your very own LIBID. The HSRL will send your LIBID in a couple of days to your e-mail address. You will never have to use this link again. There is no charge to you for any document delivery.

2005 Native American Child Health Advocacy Award

The American Academy of Pediatrics (AAP) Committee on Native American Child Health will be accepting nominations for the **2005 Native American Child Health Advocacy Award** through March 31, 2005. The award will be presented at the 2005 AAP National Conference and Exhibition in Washington, DC to recognize an individual who has made a major contribution to promoting Native American child health. If you know of a physician or non-physician who merits this recognition, please submit a letter of nomination, along with the candidate’s CV to:

Committee on Native American Child Health
American Academy of Pediatrics
141 Northwest Point Blvd.
Elk Grove Village, IL 60007
Fax (847) 434-8729
E-mail indianhealth@aap.org

For more information, please contact Sunnah Kim by

telephone at (800) 433-9016, ext. 4729, or e-mail skim@aap.org.

Call for Nominations to the AAP Committee on Native American Child Health

We are currently soliciting nominations to fill three member vacancies to the AAP Committee on Native American Child Health for a term beginning July 1, 2005. You must be an AAP member in good standing to qualify. The deadline for nominations is **March 1, 2005**. Nominees need a letter of nomination and must submit a completed fact sheet and *curriculum vitae* to their AAP Chapter President and to the Central Office in Elk Grove Village, IL, attention Department of Committees and Sections.

A copy of the fact sheet (which includes additional information and instructions) is available at www.aap.org/nach. For additional information, please contact Sunnah Kim at (800) 433-9016, ext 4729, or e-mail skim@aap.org.

SAVE THE DATE
JUNE 19-23, 2005
ACOG/IHS POSTGRADUATE COURSE ON
OBSTETRIC, NEONATAL, & GYNECOLOGIC CARE
AN UPDATE FOR NURSES, ADVANCED PRACTICE
NURSES, AND PHYSICIANS

THIS ANNUAL COURSE WILL BE HELD AT THE
RADISSON HOTEL DENVER SE
IN
AURORA, COLORADO

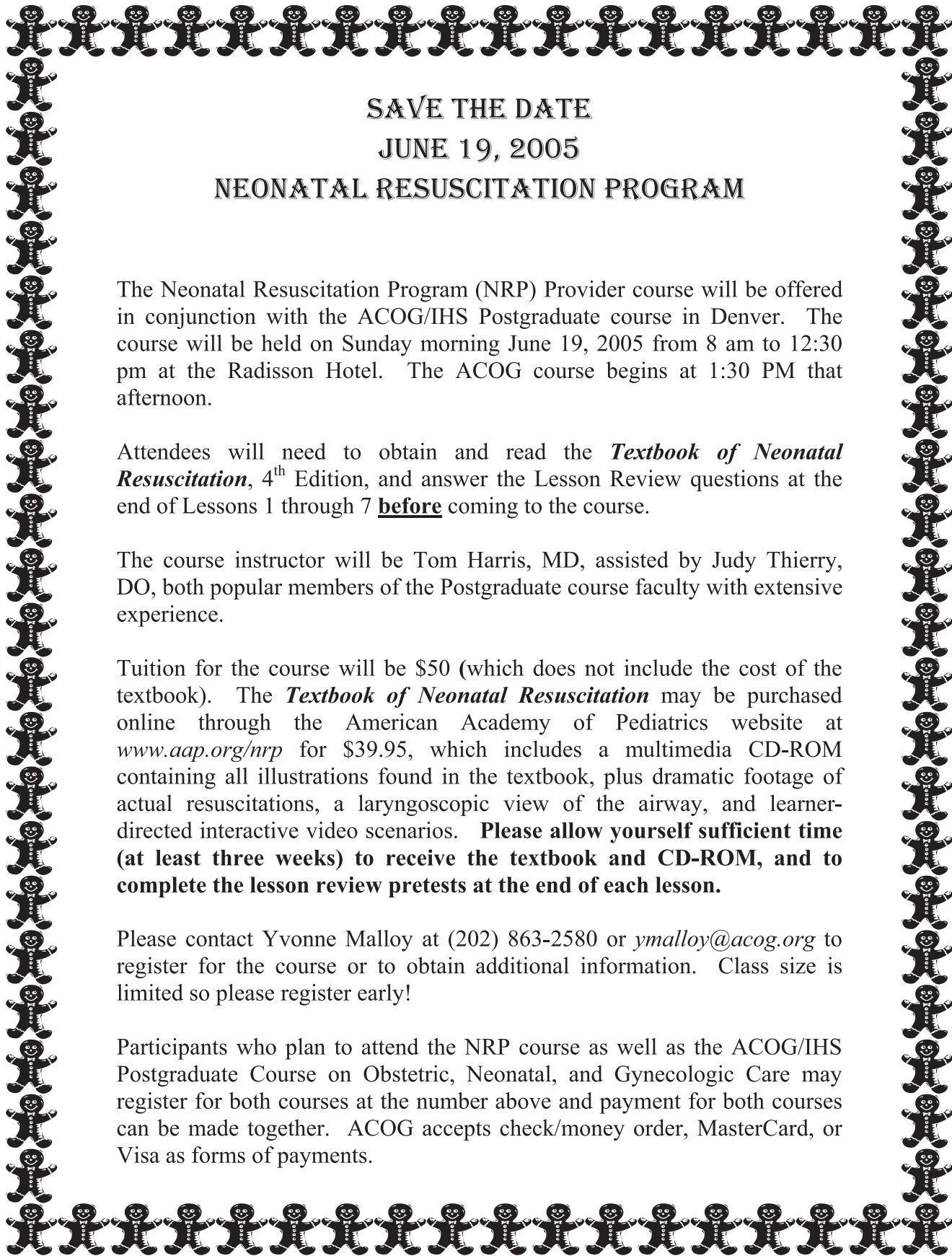
For registration information please contact Yvonne Malloy
at (202) 863-2580 or
ymalloy@acog.org

This four-day, multidisciplinary course not only provides a basic overview excellent for any health care provider interested in Indian women's health issues, but also provides recent updates, findings, and trends in women's and neonatal health, and serves as a great refresher for experienced providers.

Fees are as follows*:

IHS Employees:	Physicians	\$325.00
	Other health professionals	\$225.00
Non-IHS Employees:		
	Physicians	\$450.00
	Other health professionals	\$350.00

* Registrations after the May 2, 2005 deadline will be assessed a \$50.00 late fee.



SAVE THE DATE
JUNE 19, 2005
NEONATAL RESUSCITATION PROGRAM

The Neonatal Resuscitation Program (NRP) Provider course will be offered in conjunction with the ACOG/IHS Postgraduate course in Denver. The course will be held on Sunday morning June 19, 2005 from 8 am to 12:30 pm at the Radisson Hotel. The ACOG course begins at 1:30 PM that afternoon.

Attendees will need to obtain and read the *Textbook of Neonatal Resuscitation*, 4th Edition, and answer the Lesson Review questions at the end of Lessons 1 through 7 **before** coming to the course.

The course instructor will be Tom Harris, MD, assisted by Judy Thierry, DO, both popular members of the Postgraduate course faculty with extensive experience.

Tuition for the course will be \$50 (which does not include the cost of the textbook). The *Textbook of Neonatal Resuscitation* may be purchased online through the American Academy of Pediatrics website at www.aap.org/nrp for \$39.95, which includes a multimedia CD-ROM containing all illustrations found in the textbook, plus dramatic footage of actual resuscitations, a laryngoscopic view of the airway, and learner-directed interactive video scenarios. **Please allow yourself sufficient time (at least three weeks) to receive the textbook and CD-ROM, and to complete the lesson review pretests at the end of each lesson.**

Please contact Yvonne Malloy at (202) 863-2580 or ymalloy@acog.org to register for the course or to obtain additional information. Class size is limited so please register early!

Participants who plan to attend the NRP course as well as the ACOG/IHS Postgraduate Course on Obstetric, Neonatal, and Gynecologic Care may register for both courses at the number above and payment for both courses can be made together. ACOG accepts check/money order, MasterCard, or Visa as forms of payments.

This is a page for sharing “what works” as seen in the published literature as well as what is being done at sites that care for American Indian/Alaskan Native children. If you have any suggestions, comments or questions please contact Steve Holve, MD, Chief Clinical Consultant in Pediatrics at sholve@tcimc.ihs.gov.

IHS Child Health Notes

Quote of the month

“Less is more.”

Robert Browning

Articles of Interest

Managing acute gastroenteritis among children: oral rehydration, maintenance and nutritional therapy. *MMWR*. November 21, 2003/52(RR16):1-16.

<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5216a1.htm>

- A terrific summary of the development, physiology, and clinical use of oral rehydration solution (ORS)

Oral rehydration therapy for diarrhea: an example of reverse transfer of technology. *Pediatrics*. 1997 Nov;100(5):E10. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=9347004

- Summary of a symposium held at Johns Hopkins in 1996
- Reviewed demonstrated efficacy of ORS
- Reviewed widespread and successful use of ORS around the world
- Pointed out that ORS is still grossly underused in the United States because it is seen as too simple compared to intravenous fluid

Barriers to use of oral rehydration therapy. *Pediatrics*. 1994 May;93(5):708-11.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=8165066

- Pointed out that barrier to use of ORS was often related not only to MD but to staff reluctance
- Staff perceived frequent, small feedings of ORS as too time consuming

A comparison of rice-based oral rehydration solution and “early feeding” for the treatment of acute diarrhea in infants. *J Pediatr*. 1990 Jun;116(6):868-7. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=2112187

- Feeding of milk and solids in the first 24 hours of illness was associated with decreased stool output and decreased length of illness

Oral rehydration therapy of infantile diarrhea: a controlled study of well-nourished children hospitalized in the United States and Panama. *N Engl J Med*. 1982 May 6;306(18):1070-6. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=7040950

- The first use of ORS in the United States was done in the Indian Health Service on the Whiteriver Apache

Reservation in Arizona

- Demonstrated that the “simpler technology” of ORS was effective and far easier and cheaper than intravenous therapy

Editorial Comment

The development of ORS has probably saved more lives worldwide than any other medical device in the past 30 years. It was rapidly adopted overseas but there was initial resistance to its use in the United States. Much of the resistance was based on the assumption that intravenous fluid (more sophisticated and intensive technology) must be better than something so simple as drinking salt and sugar water. Numerous studies in the past 30 years have shown not only the safety, but the superiority of ORS over intravenous therapy except in cases of severe diarrhea or children with decreased levels of consciousness.

The CDC article is a great summary for anyone not familiar with ORS and its development, scientific rationale, and clinical use. I would like to point out that much of the early work on the use of ORS in this country was done by Dr. Matu Santosham of Johns Hopkins University, on the Whiteriver Apache reservation in Arizona. Dr. Santosham has also done many other studies of tremendous benefit to American Indians and Alaskan Natives through his work on development of vaccines against Hemophilus influenza type B and pneumococcus.

Recent literature on American Indian/Alaskan Native Health

Racial/ethnic disparities in neonatal mortality – United States, 1989 – 2001. *MMWR*. July 30, 2004;53:655-658. <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5329a2.htm>
Neonatal mortality accounts for two-thirds of infant deaths in the U.S.

- Neonatal mortality of AI/AN in 2001 was 4.1/1,000, which is equal to that of whites and below the US average of 4.5/1,000
- AI/AN showed the greatest annual decrease in neonatal mortality of all ethnic groups during this time period with a decrease of 5% per year.
- This improvement may be related to better access to neonatal intensive care for rural populations such as AI/AN

NCME VIDEOTAPES AVAILABLE □

Health care professionals employed by Indian health programs may borrow videotapes produced by the Network for Continuing Medical Education (NCME) by contacting the IHS Clinical Support Center, Two Renaissance Square, Suite 780, 40 North Central Avenue, Phoenix, Arizona 85004.

These tapes offer Category 1 or Category 2 credit towards the AMA Physician's Recognition Award. These CME credits can be earned by viewing the tape(s) and submitting the appropriate documentation directly to the NCME.

To increase awareness of this service, new tapes are listed in The IHS Provider on a regular basis.

NCME # 839

Infectious Disease Control (60 minutes) Dr. Garibaldi and Dr. Grey present an evidence-based approach to preventing the spread of infectious disease during doctor-patient interactions in a variety of health care settings. Patient cases are used to illustrate methods to prevent the spread of blood-borne infections, respiratory infections, and catheter-related urinary tract infections. The importance of educating patients about the relationship between antibiotic overuse and the potential spread of infection in the community also is addressed.

NCME #840

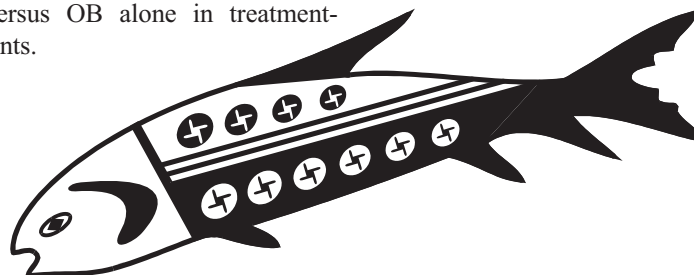
Targeting HIV Outside the Cell: Clinical Practice Implications (60 minutes) Treatment strategies for HIV-infected patients continue to evolve as new antiretroviral drugs are discovered and clinical experience with these agents in various combination antiretroviral regimens is accumulated. The addition of fusion inhibitors — a new class of antiretrovirals that block HIV entry into host cells — represents a significant advance in the management of treatment-experienced individuals with HIV. This program explains the process of viral-cell fusion and the mechanism of action of the first FDA-approved HIV fusion inhibitor. It reviews the revised US Department of Health and Human Services guidelines for combination therapy and resistance testing, and discusses study results showing the efficacy of a fusion inhibitor plus optimized background regimen (OB) versus OB alone in treatment-experienced HIV-infected patients.

NCME # 841

Medical Management of Brain Attack and Stroke (60 minutes) Stroke or “brain attack” is the third leading cause of death in the United States. Brain attack is a term used to describe the urgency required in treating patients who have early symptoms of a cerebral infarction. It can be defined as the period in the course of a cerebral infarction during which there is potential to reverse its effects. A patient who sustains a brain attack needs to be brought to neurologic attention within the same time frame as a patient who has a heart attack. While the consequences of a brain attack or stroke can be devastating, evidence indicates that timely intervention with thrombolytic therapy can lead to improved patient outcomes. Dr. LaMonte reviews the professional guidelines for rapid clinical assessment and stabilization of a patient who has sustained an acute ischemic stroke, including appropriate use of imaging studies. She also discusses current treatment recommendations, focusing particularly on the roles of tissue plasminogen activator, antiplatelet agents, and anticoagulants, and describes measures to improve recovery and prevent complications. Dr. LaMonte concludes the program by sharing helpful suggestions for reducing a patient's risk of a brain attack or stroke.

NCME #842

Acute Abdominal Pain in Adults (60 minutes) Efficient, accurate diagnosis of the acute abdomen (abdominal pain occurring for less than 24 hours) can be challenging. Effective evaluation relies on a detailed history of the type, degree, location, and chronology of pain sensation, along with identification of factors that stimulate or reduce pain. In addition, the impact of the patient's coexisting medical conditions, and medical and social history should be considered. Systemic, pelvic, rectal, and genital examinations also should be included. Dr. Greenberger presents key elements for differential diagnosis and discusses primary treatment of acute abdominal pain in adults.



NCME # 843

Cardiovascular Disease Prevention (60 minutes) This video provides practical steps for the prevention and treatment of cardiovascular disease (CVD) in primary care patients. It explains how to perform a quick and efficient assessment for CVD risk and describes lifestyle changes that can reduce various modifiable risk factors for CVD. It also discusses assessment and treatment of elevated levels of low-density lipoprotein cholesterol — a key step in the primary and secondary prevention of CVD today — based on therapeutic guidelines from the National Cholesterol Education Program. The importance of glucose control to prevent adult-onset diabetes in combination with CVD (the metabolic syndrome) also is addressed, as is treatment of depression in patients with CVD. Actual case examples are presented to illustrate how to prevent and manage CVD in individual patients.

NCME #844

Domestic Violence: The Role of the Proactive Physician (60 minutes) In this video, Dr. Elaine Alpert discusses the prevalence and types of domestic violence, addresses myths associated with this serious public health issue, and presents practical ways to screen for, recognize, and treat victims of domestic violence, and refer them for additional help and support. An actual victim of domestic violence tells her story at various points throughout the video — how the abuse began, how it went undetected, and why she tells her story now. In addition, Dr. Alpert models doctor-patient interactions using direct and indirect questions that can make it easier for a patient to tell a primary care physician about violence in the home.

SAVE THE DATE:
MAY 10-12, 2005

Joining together to share palliative care knowledge & resources

KEYNOTE SPEAKER:
Dr. Charles F. von Gunten,
*MD, PhD, FACP, Medical Director,
Center for Palliative Studies, San Diego, CA.*

**CAPTAIN COOK HOTEL,
ANCHORAGE, ALASKA**



A palliative care symposium for doctors, midlevel practitioners, nurses, pharmacists, social workers & other health care providers.

More information coming soon
palliativesymposium@anthc.org
907-729-1902

MEETINGS OF INTEREST □

EHR: Overview, Implementation, and Lessons Learned Cherokee, North Carolina and Warm Springs, Oregon

Please check the following website for dates, and to register: <http://www.ihs.gov/Cio/RPMS/index.cfm?module=training&option=Index>. This class is ideal for sites that are getting ready for the electronic health record and want to see it in the clinical practice setting. Clinical staff will demonstrate a patient visit from start to finish. There will be presentations from nursing, physician, pharmacy, lab, diabetes program/case mgt, and coding staff. Participants will then break into small groups and visit with specific departments, including pharmacy, physician, nursing, medical records, computer support, dental, coding and billing.

Experience the EHR first hand. Practice entering lab, pharmacy, and nursing orders, and progress notes in the EHR training lab. Discuss preparations, process issues, and lessons learned; understand metrics that are used to measure EHR.

As a result of having attended this activity, participants will be able to:

- Gain insight about utilizing the Indian Health Service Electronic Health Record in the ambulatory practice setting
- Describe preparations, roles and responsibilities, policies and procedures that are essential for EHR implementation and success
- Practice using the electronic health record to document a simulated patient visit
- Identify metrics that can be used to measure the impact of the electronic health record
- Describe potential risk management issues

Train-the-Trainer: Kitchen Creations for Professionals June 2005 Registration; A Distance Education Course

Join us for an innovative approach to Diabetes Education for community members. *Kitchen Creations* is an award-winning cooking school that uses a team approach to reach people with diabetes and their families. Paraprofessionals will sign up for the on-site course (see website for details) and registered dietitians will sign up for a distance education course.

The distance education course for *Kitchen Creations* was developed to provide uniform training to prepare participants to work with paraprofessionals from their community to present *Kitchen Creations* in their community. The distance education course can be completed in approximately four hours. A paraprofessional from the same community must be willing to sign up and attend the three full days of the on-site training program in Santa Fe, New Mexico.

For more details about this meetings go to www.ihs.gov/medicalprograms/nutrition or call (866) 477-6432 for updates and information regarding this and other workshops offered through the Nutrition and Dietetics Training Program/IHS.

20th Annual Midwinter MCH Conference February 25 - 27, 2005; Telluride, Colorado

This meeting is designed to update physicians, nurses, and advanced practice clinicians in topical issues relevant to healthcare for women and children in Indian country. This is the 20th year for this popular continuing education program that combines opportunities for education, networking with colleagues from other IHS, tribal, and urban facilities, and recreation at one of America's most spectacular winter playgrounds.

It will be held February 25 - 27, 2005 in Telluride, Colorado. For more information, go to <http://www.ihs.gov/MedicalPrograms/MCH/M/ConfDnlds/TellurideagendaI0-2004.doc>, or contact Alan Waxman at awaxman@salud.unm.edu.

2005 Meeting of the National Councils for Indian Health February 27 - March 4, 2005; San Diego, California

The National Councils (Clinical Directors, Chief Executive Officers, Chief Medical Officers, Oral Health, and Nurse Consultants) for Indian health will hold their 2005 annual meeting February 27 - March 4, 2005 in San Diego, California. An exciting and informative program is planned to address Indian Health Service/tribal/urban program issues and offer solutions to common concerns throughout Indian country. The focus this year will be "Keeping Patients First." Indian health program chief executive officers and clinico-administrators are invited to attend. The meeting will be held at the Bahia Resort Hotel, 998 West Mission Bay Drive, San Diego, California 92109. Please make your hotel room reservations by January 26, 2005 by calling (858) 488-0551. Be sure to ask for the "Indian Health Service" group rate. You may register for this meeting on-line at the Clinical Support Center web page (www.ihs.gov/medical_programs/clinical_support_center). The IHS Clinical Support Center is the accredited sponsor for this meeting. For more information, contact Gigi Holmes or CDR Dora Bradley at (602) 364-7777; or e-mail gigi.holmes@phx.ihs.gov.

Project Making Medicine: Prevention of Child Maltreatment in Indian Country Conference and Pow-Wow April 15 - 16, 2005; Heard Museum, Phoenix, Arizona

Join us for workshops and prayer circles designed to enlighten our community about solutions for child maltreatment in Indian country. Guest presenters are from the Center on Child Abuse and Neglect and the College of Medicine, University of Oklahoma Health Sciences Center. Pow-Wow location to be announced. For more information call Connie O'Marra at (602) 263-1518, ext. 1014; or e-mail connie.omarra@ihs.gov. This activity is cosponsored by the Phoenix Indian Medical Center.

IHS Dental Head Start Consultant Conference April 19 - 20, 2005; Albuquerque, New Mexico May 3 - 4, 2005; Bloomington, Indiana

This is a workshop for Head Start Program Directors, Head Start Health Coordinators or Directors, IHS dentists or dental hygienists involved with the provision of care to their local Head Start program. This workshop will provide an overview or orientation for IHS dental personnel and Head Start personnel to the respective programs and provide a forum for open discussion between IHS dental personnel and Head Start personnel to address challenges and potential future directions for IHS/Head Start interactions.

For more details about this meetings go to www.ihs.gov/medicalprograms/nutrition or call (866) 477-6432 for updates and information regarding this and other workshops offered through the Nutrition and Dietetics Training Program/IHS.

IHS Recognition Program and Diabetes Instructor Workshops

April 27 - 29, 2005; Billings, Montana

These two workshops are designed for health professionals, diabetes team members, diabetes program administrators, and/or diabetes educators working in Indian Health Service, tribal and urban program settings.

The **IHS Integrated Diabetes Education Recognition Program (IHS IDERP)** enables you to seek acknowledgement of quality diabetes education and care services offered in your community and offers you flexibility in measuring your program against nationally accepted diabetes education and clinical standards. IHS Recognition may allow diabetes education programs to seek Medicare reimbursement. The goal of the workshop is to provide an overview of IHS IDERP. **This class is a half-day workshop on April 27 from 8:00 am to 12:00 p.m.**

The second workshop, **Diabetes Instructor Workshop**, will provide diabetes education program instructors with an orientation to the use of the IHS "*Balancing Your Life and Diabetes*" curriculum and review topics important to the

educational process. **This two-day workshop follows the IHS IDERP workshop above and takes place from 1:00 pm April 27 through 12 noon April 29.**

For more details about this meetings go to www.ihs.gov/medicalprograms/nutrition or call (866) 477-6432 for updates and information regarding this and other workshops offered through the Nutrition and Dietetics Training Program/IHS.

International Meeting on Inuit and Native American Child Health: Innovations in Clinical Care and Research combined with the 17th Annual IHS Research Conference April 29 B May 1, 2005; Seattle, Washington

Join the American Academy of Pediatrics and the Canadian Paediatric Society, in cooperation with the Indian Health Service, for the first ever International Meeting on Inuit and Native American Child Health. Pediatricians, family physicians, residents, other health care professionals, clinical researchers, state and federal public health employees, child advocates, and other professionals and family representatives dedicated to working with First Nations, Inuit, and American Indian/Alaska Native (AI/AN) children should attend. Participants will have the opportunity to share ideas on culturally effective health care delivery models, present research findings, and discuss strategies to improve the health of First Nations, Inuit, and AI/AN children and communities. For current conference information, visit www.aap.org/nach.

The IHS Physician Assistant and Advanced Practice Nurse Annual CE Seminar

June 6 - 10 2005; Scottsdale, Arizona

Designed for physician assistants, nurse practitioners, nurse midwives, and pharmacist practitioners working for Indian health programs, this three-day CE seminar will provide an opportunity to network with peers/colleagues on issues of common concern, update knowledge of current health trends and issues, develop new skills to improve patient care, and receive continuing education credits. The program will offer approximately 20 hours of discipline-specific continuing education designed to meet the needs of those providing primary care to American Indians and Alaska Natives.

The seminar will be held at the Chaparral Suites Hotel, 5001 North Scottsdale Road, Scottsdale, AZ 85258; telephone (480) 949-1414. Please make your room reservation early. Mention you are a participant in the IHS seminar. The deadline for making room reservations is May 6, 2005.

A business meeting for all Advanced Practice Nurses will be held Monday, June 6 through the morning of Tuesday, June 7. The Physician Assistants' business meeting will be held Thursday evening, June 9. The CE seminar will begin at 1:00 pm on Tuesday, June 7 and continue through noon on Friday, June 10. The agenda will include plenary and concurrent

workshop sessions on a variety of clinical topics. The complete agenda and registration forms will be available by mid-April. A registration fee of \$300 will apply for those employed by compacting tribes or those in the private sector. For more information, contact CDR Dora Bradley at the IHS Clinical Support Center, telephone (602) 364-7777; or email theodora.bradley@mail.ihs.gov.

Comprehensive Diabetes Management: It's All About Control!

June 22 - 23, 2005; Phoenix, Arizona

This workshop, sponsored by the IHS Division of Diabetes Treatment and Prevention, is for health professionals, including registered dietitians, registered nurses, pharmacists, nurse practitioners and social workers, working in Indian Health Service, tribal and urban program settings and who care for patients with diabetes.

The purpose of the workshop is to provide an overview of diabetes care and population health management strategies to enhance the participants' competency in achieving improved outcomes for people with diabetes.

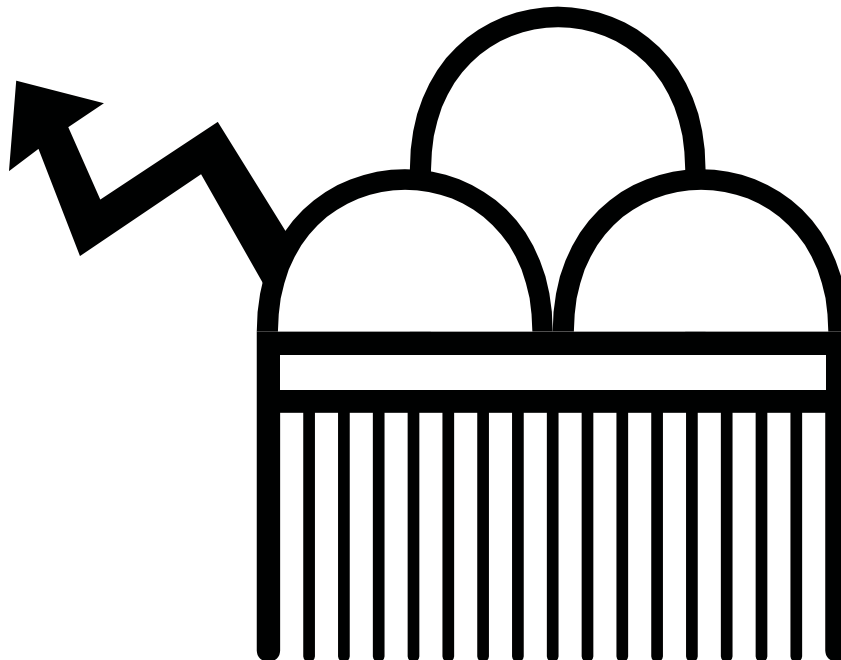
For more details about this meetings go to www.ihs.gov/medicalprograms/nutrition or call (866) 477-6432 for updates and information regarding this and other workshops offered through the Nutrition and Dietetics Training Program/IHS.

Making Connections, Facing Challenges in Nutrition Practice in American Indian/Alaska Native Communities: National Biennial Nutrition Seminar

July 12 - 14, 2005; Albuquerque, New Mexico

This workshop is designed for health professionals including registered dietitian and nutritionists and public health nurses working with Indian Health Service, tribal, urban program, BIA, and WIC programs. Participants will have the opportunity to increase knowledge, confidence, and skills in key areas of practice including obesity, counseling, and marketing nutrition services. Updates on IHS initiatives and programs will be provided. In addition, participating professionals will have the opportunity to share best practices and network to promote greater utilization of resources.

For more details about this meetings go to www.ihs.gov/medicalprograms/nutrition or call (866) 477-6432 for updates and information regarding this and other workshops offered through the Nutrition and Dietetics Training Program/IHS.



POSITION VACANCIES □

Editor's note: As a service to our readers, THE IHS PROVIDER will publish notices of clinical positions available. Indian health program employers should send brief announcements on an organizational letterhead to: Editor, THE IHS PROVIDER, The IHS Clinical Support Center, Two Renaissance Square, Suite 780, 40 North Central Avenue, Phoenix, Arizona 85004. Submissions will be run for two months, but may be renewed as many times as necessary. Tribal organizations that have taken their tribal "shares" of the CSC budget will need to reimburse CSC for the expense of this service. The Indian Health Service assumes no responsibility for the accuracy of the information in such announcements.

Laboratory Positions

Winnebago Hospital, Winnebago, Nebraska

The Indian Health Service Winnebago Hospital in Winnebago, Nebraska is looking to fill two laboratory positions with either medical technologists or medical laboratory technicians. These two positions may be entry level or experienced and will join our staff of three technologists. This is a new facility that just opened its doors in May 2004. The lab is CAP accredited and has fairly new equipment, with more new instruments on the way. If you would like more information about these positions, please contact Keith Beardshear, MT, the laboratory supervisor, by telephone at (402) 878-2231, ext. 2656; e-mail kbeardshear@winnebago.aberdeen.ihs.gov; or fax (402) 878-2064.



Dental Director

Toiyabe Indian Health Project; Bishop Paiute Reservation, Bishop, California

Located in the beautiful eastern Sierra region with year round outdoor activities, you can hike the Sierras, ski at Mammoth Mountain, go rock climbing or biking, plus more activities in our rural setting. Clean air, safe environment, excellent public and private schools, great location for families with young children. Come join our team of dedicated professionals making an impact on the health of our community members. We offer an excellent fringe benefit package, with clinic hours 8:00 am to 5:00 pm Monday - Friday.

We are desperately seeking a Dental Director with a California dental license or willingness to obtain one within one year of hire, two years private or clinical experience, some administrative/supervisory skills, and the ability to work with the Native American population as well as the general public. Open until filled.

Contact Toiyabe Indian Health Project, Attn: Personnel, 52 Tu Su Lane, Bishop, California 93514; telephone (760) 873-8464; fax (760) 873-3935; e-mail bcoons@crihb.ihs.gov for more information. Toiyabe is an E.O.E. within the confines of the Indian Preference Act.

Clinic Physician

Toiyabe Indian Health Project; Lone Pine Paiute - Shoshone Reservation, Lone Pine, California

Located in the beautiful eastern Sierra region with year round outdoor activities, you can hike the Sierras, ski at Mammoth Mountain, go rock climbing or biking, plus more activities in our rural setting. Clean air, safe environment, excellent public and private schools, great location for families with young children. Come join our team of dedicated professionals making an impact on the health of our community members. We offer an excellent fringe benefit package, with clinic hours 8:00 am to 5:00 pm Monday - Friday.

Requirements include valid medical degree from an accredited school of medicine, board certified, current DEA registration, valid California medical license or willingness to obtain within one year of hire, ability to work with the Native American population as well as the general public. Incumbent to provide acute primary care services, supervise satellite medical clinic staff; hospital privileges not necessary. Open until filled.

Contact Toiyabe Indian Health Project, Attn: Personnel, 52 Tu Su Lane, Bishop, California 93514; telephone (760) 873-8464; fax (760) 873-3935; e-mail bcoons@crihb.ihs.gov for

more information. Toiyabe is an E.O.E. within the confines of the Indian Preference Act.

Staff Dentist

Toiyabe Indian Health Project; Bishop Paiute Reservation, Bishop, California

Located in the beautiful eastern Sierra region with year round outdoor activities, you can hike the Sierras, ski at Mammoth Mountain, go rock climbing or biking, plus more activities in our rural setting. Clean air, safe environment, excellent public and private schools, great location for families with young children. Come join our team of dedicated professionals making an impact on the health of our community members. We offer an excellent fringe benefit package, with clinic hours 8:00 am to 5:00 pm Monday - Friday.

We are seeking a graduate of an accredited US dental school, California dental license or willingness to obtain within one year of hire, one year private or clinical practice, current DEA registration, ability to work with the Native American population as well as the general public. Open until filled.

Contact Toiyabe Indian Health Project, Attn: Personnel, 52 Tu Su Lane, Bishop, California 93514; telephone (760) 873-8464; fax (760) 873-3935; e-mail bcoons@crihb.ihs.gov for more information. Toiyabe is an E.O.E. within the confines of the Indian Preference Act.

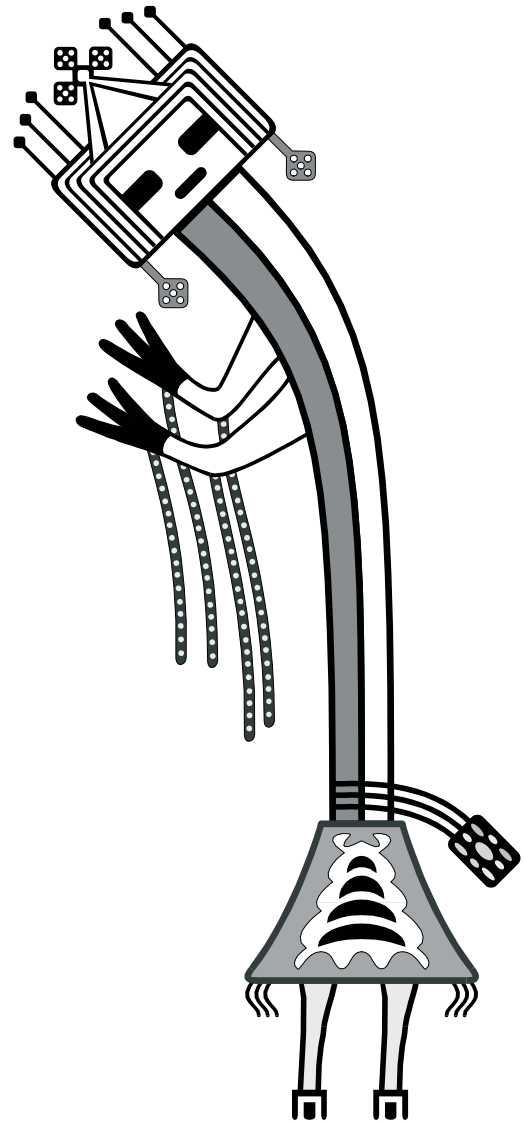
Family Physician

Juneau, Alaska

We are looking for a family practice physician to join our group of seven family practice physicians. This full time position includes OB and call (1:8). Outpatient work is primarily continuity care for your panel of patients, with some time in the walk-in clinic as well. Inpatient work is at the local (non-IHS) community hospital. We offer a competitive salary and excellent benefits.

Juneau, with a population 30,000, is located in beautiful southeast Alaska, and has a temperate climate, incredible outdoor recreation, and a wonderful community.

Contact Janice Sheufelt, MD, medical director, at (907) 463-4057, or e-mail janice.sheufelt@searhc.org. See our web site at www.searhc.org.





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THE IHS PRIMARY CARE PROVIDER

A journal for health professionals working with American Indians and Alaska Natives



THE IHS PROVIDER is published monthly by the Indian Health Service Clinical Support Center (CSC). Telephone: (602) 364-7777; fax: (602) 364-7788; e-mail: the.provider@phx.ihs.gov. Previous issues of THE PROVIDER (beginning with the December 1994 issue) can be found on the CSC Internet home page (www.csc.ihs.gov).

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Publication of articles: Manuscripts, comments, and letters to the editor are welcome. Items submitted for publication should be no longer than 3000 words in length, typed, double-spaced, and conform to manuscript standards. PC-compatible word processor files are preferred. Manuscripts may be received via e-mail.

Authors should submit at least one hard copy with each electronic copy. References should be included. All manuscripts are subject to editorial and peer review. Responsibility for obtaining permission from appropriate tribal authorities and Area Publications Committees to publish manuscripts rests with the author. For those who would like more information, a packet entitled "Information for Authors" is available by contacting the CSC at the address below or on our website at www.csc.ihs.gov.

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