

Objectives List common zoonotic disease and injury concerns associated with animals in a health care setting Review guidance materials available to address these concerns as they relate to Animal Assisted Interventions (AAI) and personal pet visitation in the health care o Review public health reporting requirements for incidents involving animals

Definitions Pet therapy is a general term that encompasses many activities, both formal and informal.

setting

Animal Assisted Therapy (AAT) Formal goal-directed intervention involving animals as an integral part of the treatment process, directed by a professional with specialized expertise. Designed to promote improvement in human physical, social, emotional, and/or cognitive functioning. Patient progress is measured.

Animal Assisted Activities (AAA) Provide opportunities for motivational, educational, and/or recreational benefits to enhance quality of life Delivered by trained professional, paraprofessional and/or volunteers Involve animals that meet specific criteria



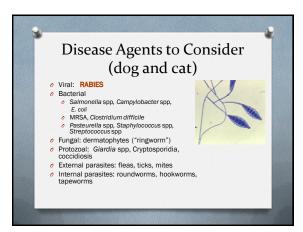
Background • Growing (but limited) body of evidence regarding the benefits to patients/residents of Animal Assisted Interventions and pet visitations. • Physiologic: • Blood pressure, heart rate, cortisol, salivary IgA • Psychological: • Depression, anxiety, Ioneliness, perceived quality of health, distraction from pain

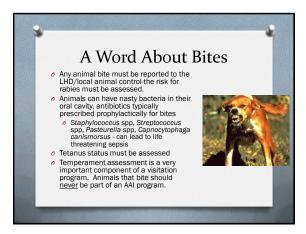
Survey of Zoonotic Concerns in AAI Programs • 1989 event in Canada- a friendly stray animal taken into a nursing home pet therapy program developed rabies • Prompted survey of groups from Canada and the U.S. involved in AAI activities • 2/3 nursing home programs • ¼ schools, ¼ hospitals

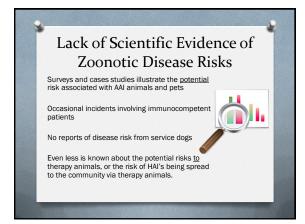
Survey Findings 50% had concerns about zoonotic disease transmission Rabies, dermatophytes, external parasites Hospitals had more concerns for intestinal infections - Salmonella, Campylobacter, etc So% consulted with health professional about zoonotic disease prevention (but 95% of hospital programs did) 10% of community programs had printed prevention materials, 75% of hospital programs had them

Health Survey of Visiting Dogs Journal of Hospital Infection; Vol.62 (4), 458-66. May-July 2004, 102 visiting dogs sampled Owner questionnaire Collected feces, hair-coat brushings, rectal, aural, nasal, oral and pharyngeal swabs; tested for 18 pathogens Zoonotic pathogens detected in 80/102 (80%) Clostridium difficile (58% of fecal samples, and 71% of these were toxigenic) Pasteurella spp. were found in 29% of oral swabs

Pathogens and AAI Animals Reservoirs Mechanical carriers/vectors More likely to be exposed to HAI pathogens AI animals that visited HCF's were more likely to carry MRSA than those from other settings Certain behaviors and activities may be higher risk, Ex; licking patients, accepting treats, sitting on beds



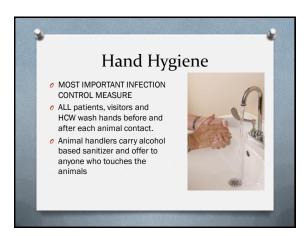




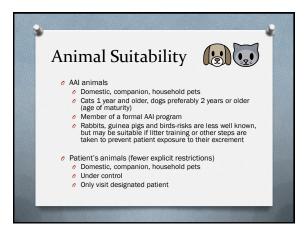


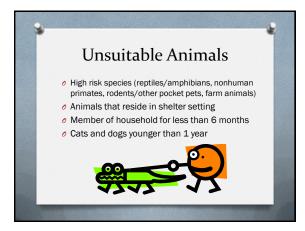
AJIC: Guidelines for AAI in Health Care Facilities (2008) • Working Group of 29 individuals from Canada and the U.S. with expertise in AAI, infection control, public health, and veterinary medicine • Purpose: to provide explicit and when possible, evidence-based guidelines for risk mitigation in AAI to health care workers • Recommendations were ranked IA, IB, IC, II and Unresolved • Degree of Consensus was also measured (>80% agreement, <80% agreement)







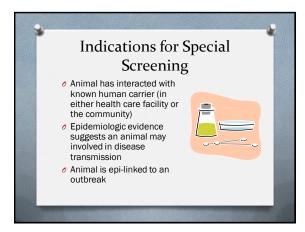




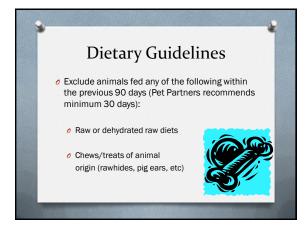
Puppies and Kittens Now while cute, young animals pose a much greater risk of zoonotic disease transmission for at risk populations (young, old, immune-suppressed) Much more likely to be shedding enteric pathogens, often while appearing healthy (Campylobacter, Salmonella, E. coli, Giardia, coccidia, etc) More likely to have accidents More likely to nip or scratch





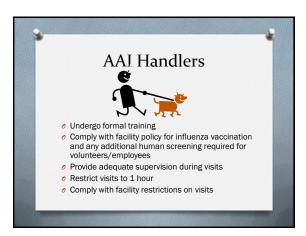
















Managing Contact Consent of patient for visit Permission of others to enter patient's room Handler aware of patient's who are allergic (15% of population estimated to be allergic to dogs or cats) or uncomfortable around animals Aware of rooms that are off limits to animal visitors Aware of "rules of engagement" for facility



Animal Bite Reporting; Communicable Disease Rules

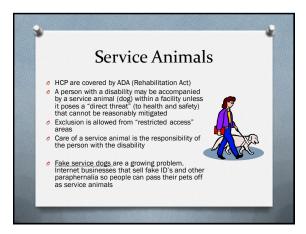
(Promulgated under the Authority of Michigan's Public Health Code)

"Any person who has knowledge of an animal bite where rabies is suspected shall, within 24 hours of the biting incident, report the bite to the appropriate local health department and to the local health department where the bite occurred. The report shall include all of the following information:

Communicable Disease Rules (con't)

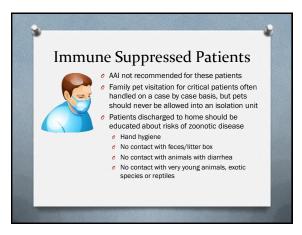
- Animal species inflicting the bite
- Animal owner's name, address, and telephone number
- Vaccination status of animal
- Date and location of biting incident
- Name, address, and telephone number of the person bitten
- Site of the bite on the body
- Name of the reporter of bite"

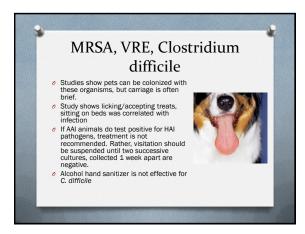
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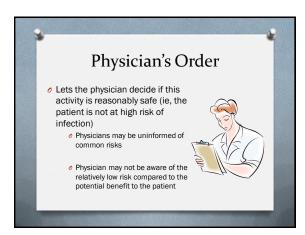
Guidelines for Environmental Infection
Control in Health-Care Facilities (HICPAC),
2003

Nice Table of Zoonotic Diseases by Species
Animals can serve as reservoirs or vectors for antibiotic-resistant microorganisms
Healthcare workers can be colonized or contaminated with pathogens from their own pets, leading to outbreaks in the HC setting (Ex; yeast and ringworm outbreaks in NICU's)
Healthcare workers can potentially be a source of HAI to their own pets

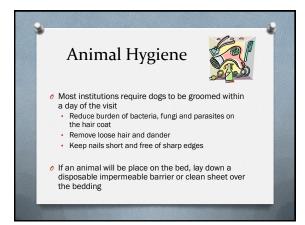


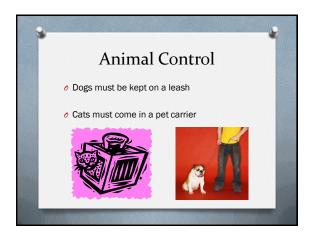












Staff and Others Staff need to be able to turn away animals that seem agitated or distressed If the patient is in a shared room, the roommate must give consent, or another location provided for the visit

Risk vs Benefit There is always going to be some risk with animal hospital visitation Common sense practices can reduce the relatively low risk even further With a little structure and common sense, pet visitations can provide benefits to patients, with minimal risk

Summary Include health professionals in the development and management of AAI and pet visitation programs Mature healthy animals present the least risk for enteric pathogens Reinforce simple and straightforward measures to prevent disease transmission (hand washing!) Provide printed guidelines for zoonotic disease control







