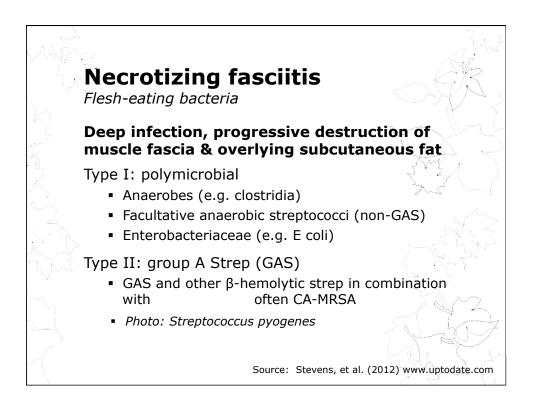


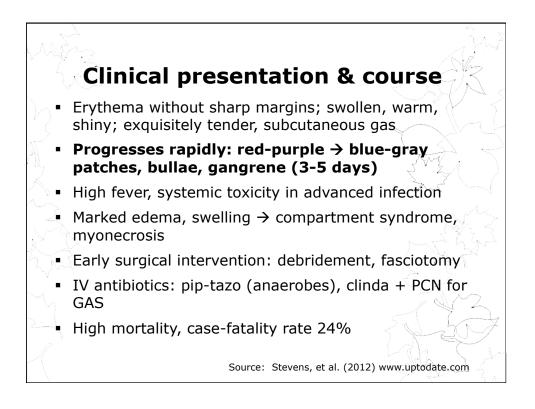


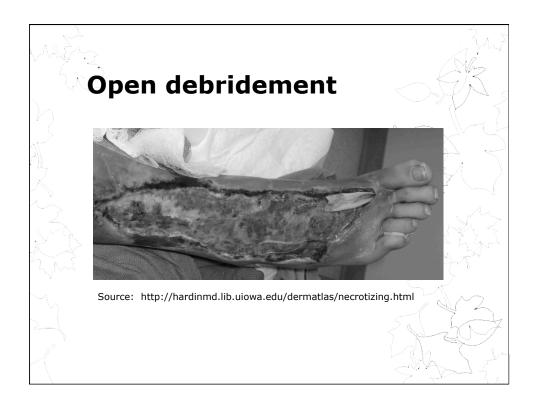
Empiric o cellulitis	outpatie	nt treatment of
Common Pathogens	Drug(s) of First Choice	Comments
		L Xv.G
β-hemolytic streptococci (common)	Cephalexin 500 mg po qid	 If no response to beta-lactam, add TMP/SMX or doxycycline to cover MRSA
S. aureus (less common)	-or- Amoxicillin 500 mg po tid	 Clindamycin covers both GAS and community-acquired MRSA. Some isolates may be resistant; always refer to local hospital antibiogram
1	-or- Clindamycin	 Cellulitis with abscess: treat for complicated abscess (next slide)
Source: http://idmp.ucs	300 mg po tid	• Duration: 7-10 days

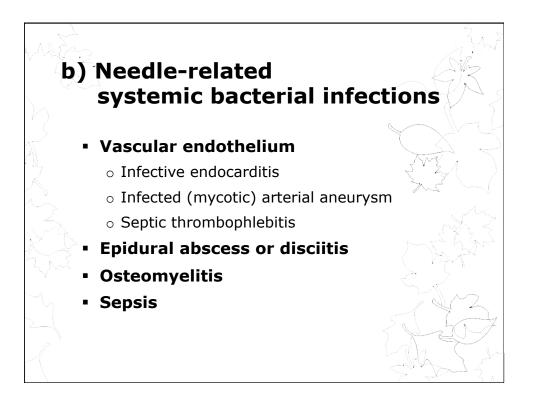
Common Pathogens	Drug(s) of First Choice	Comments
S. aureus	<u>Uncomplicated</u> I&D, no antibiotics	Give antibiotics for a complicated abscess:
	<u>Complicated</u> I&D, plus: TMP/SMX 1-2 DS tabs po bid -or- Doxycycline 100 mg po bid	 Abscess is large (>5 cm) or incompletely drained Significant surrounding cellulitis Systemic signs and symptoms of infection Immunocompromised patient Duration: 7-10 days

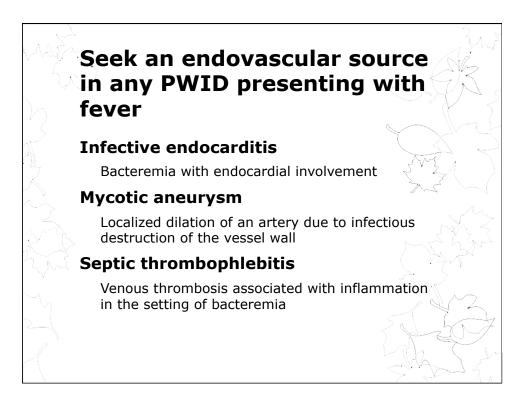


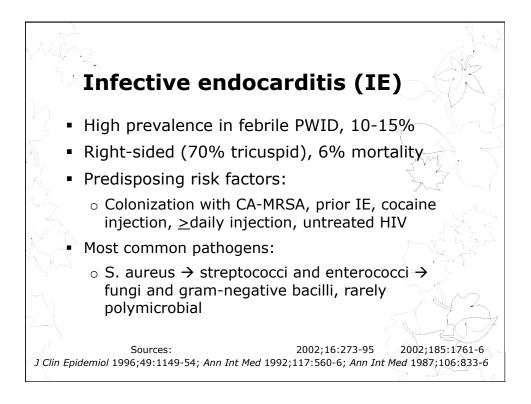


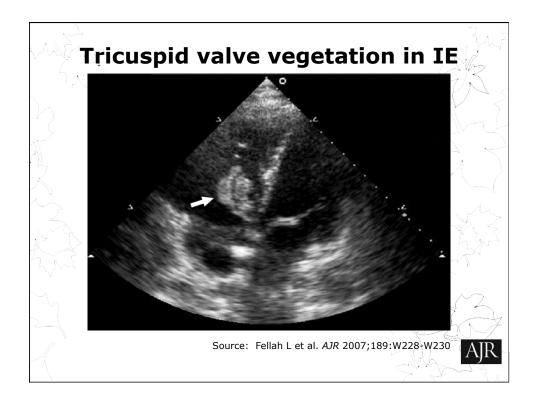


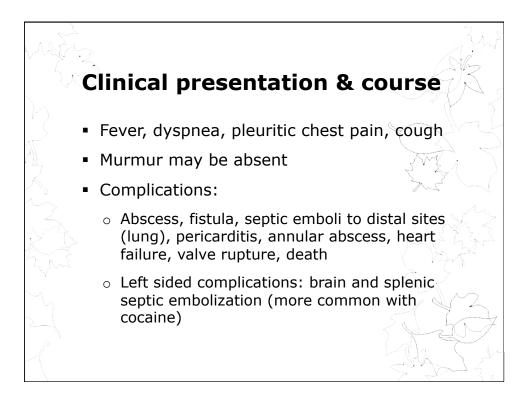






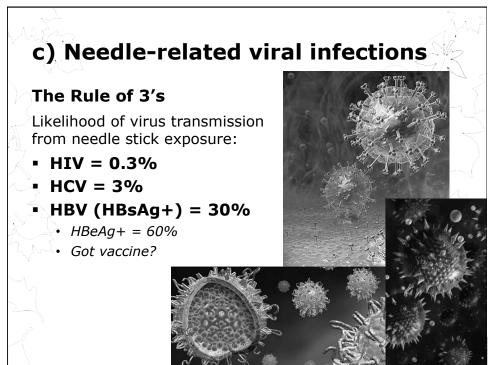




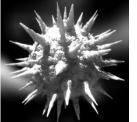




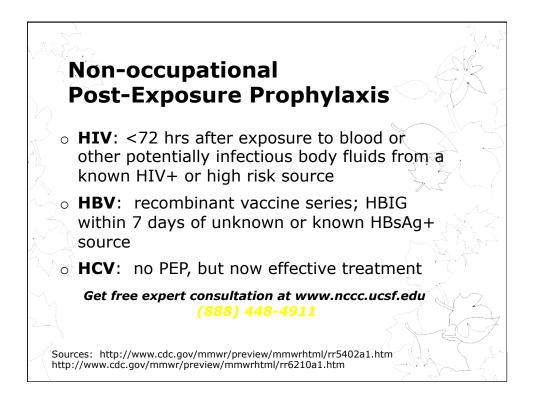
- 3 sets of blood cultures to detect bacteremia
- Early empiric IV vancomycin to cover S aureus (MSSA, MRSA), streptococci, enterococci
- TTE is 88-94% sensitive in PWID
- 4-6 weeks IV antibiotics in confirmed cases based on in vitro susceptibility
- Early consultation with cardiac surgeon for possible valve replacement

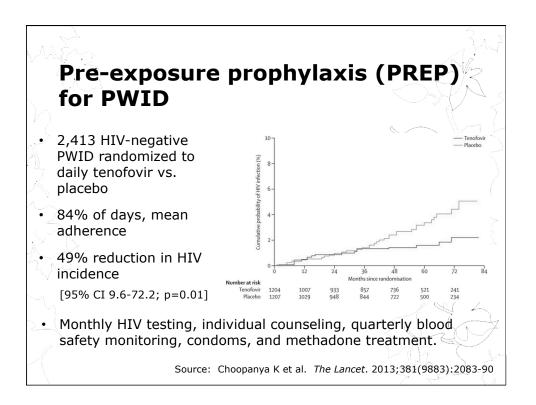


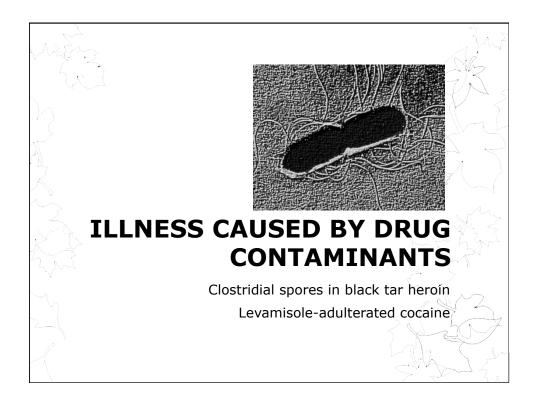


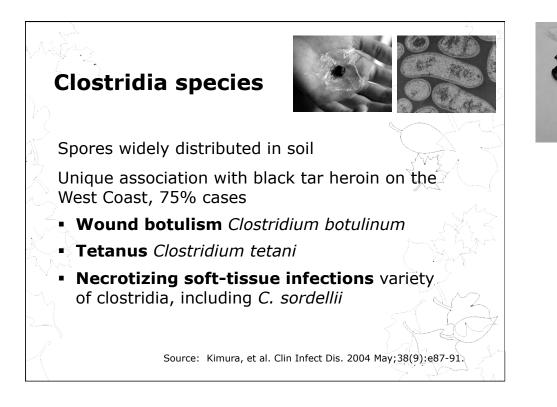


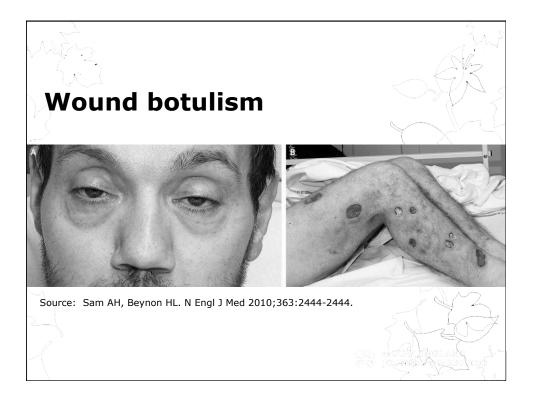
Type of Exposure	Risk per 10,000 exposures	
Parenteral		
Blood Transfusion	9,250	
Needle-sharing for injecting drugs	63	
Percutaneous (needle stick)	23	
Sexual		
Receptive anal intercourse	138	
Insertive anal intercourse	11	
Receptive penile-vaginal intercourse	8	
$\searrow^{\bigvee\sim}$ Insertive penile-vaginal intercourse	> 4	
Receptive or insertive oral intercourse	Low	
Other		
Biting, spitting, throwing body fluids	negligible	
Sharing sex toys	negligible	

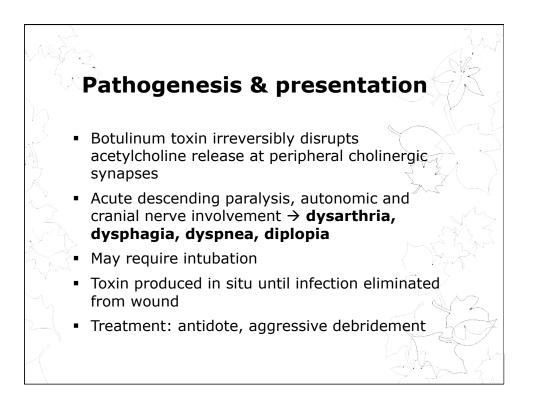


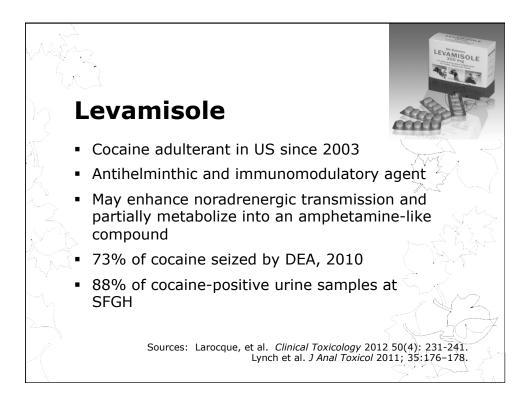


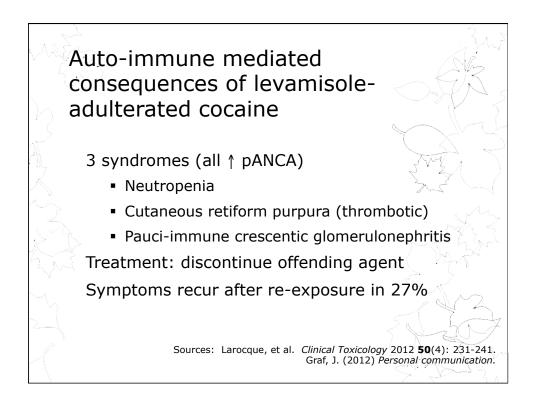


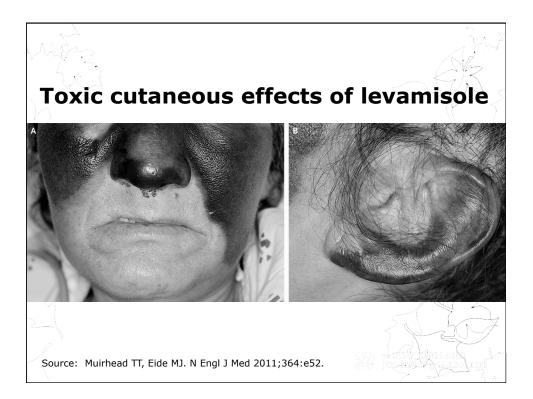


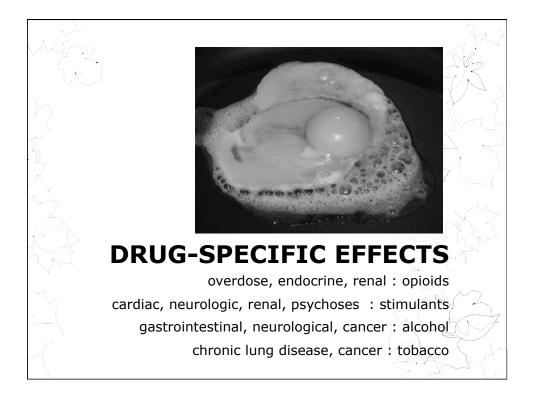


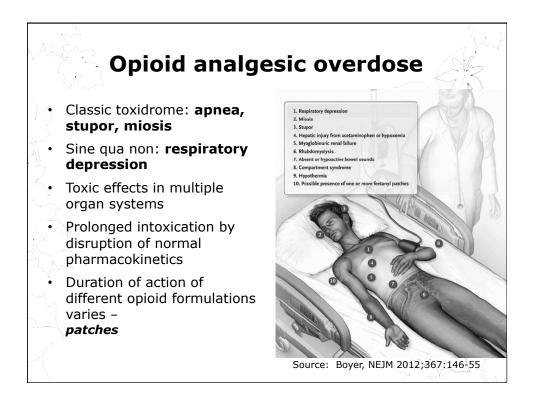


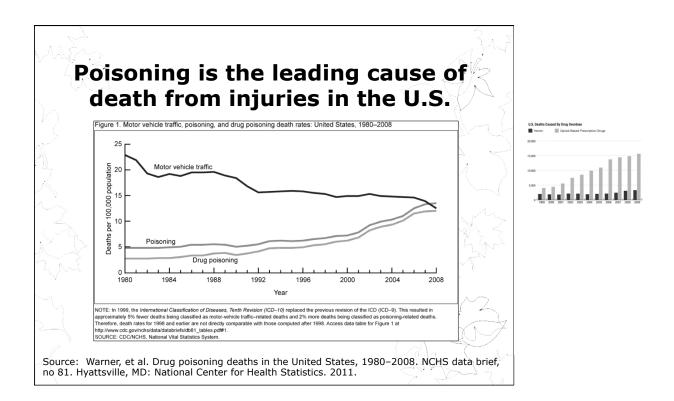


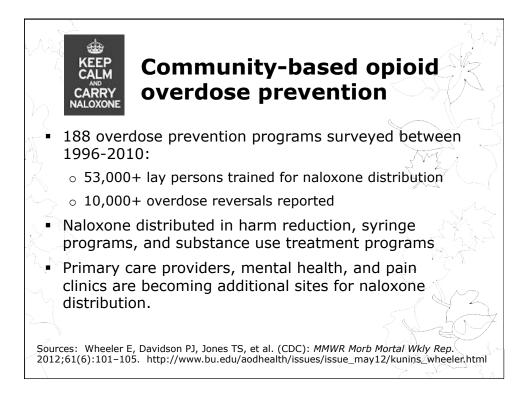


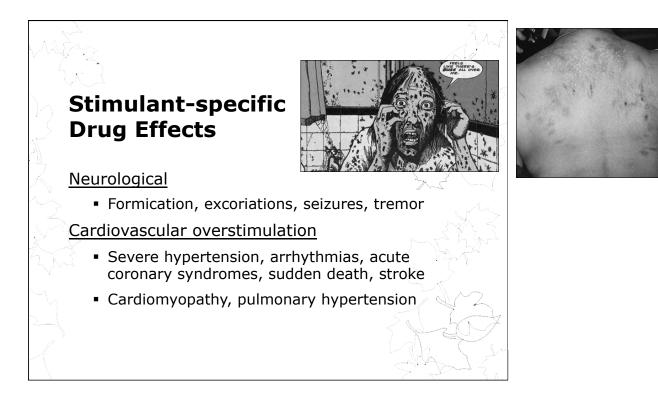


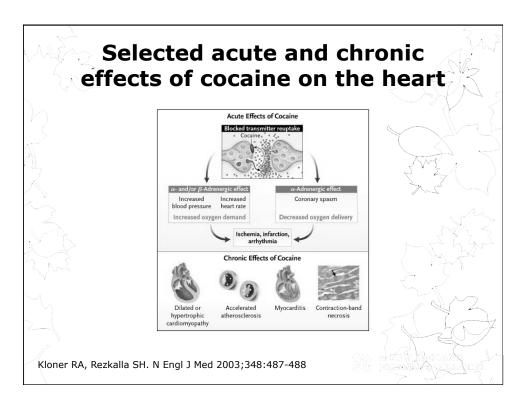


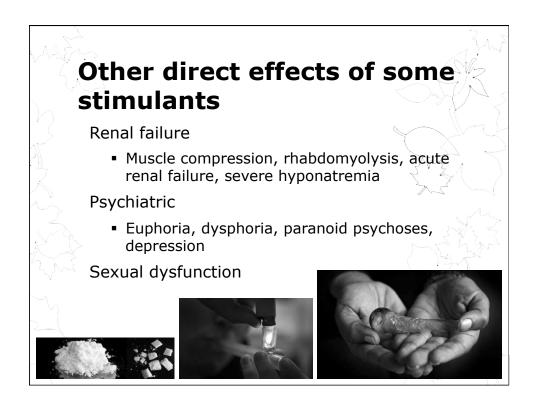


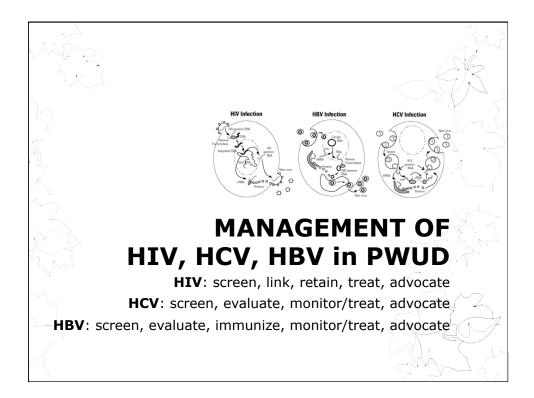


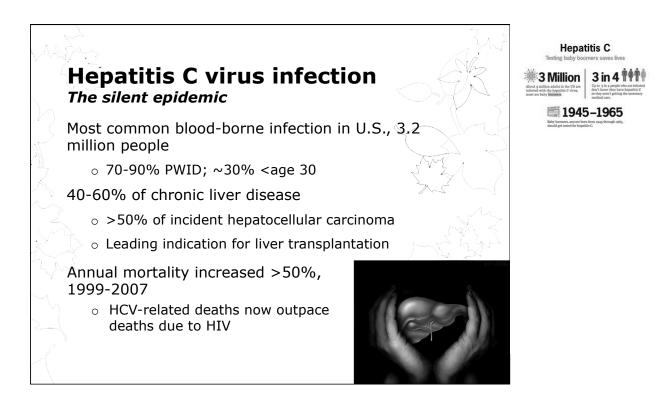


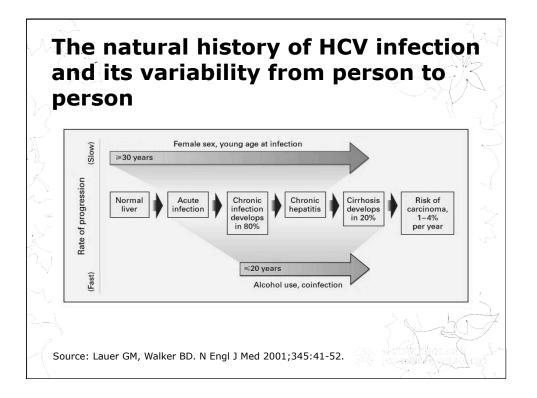


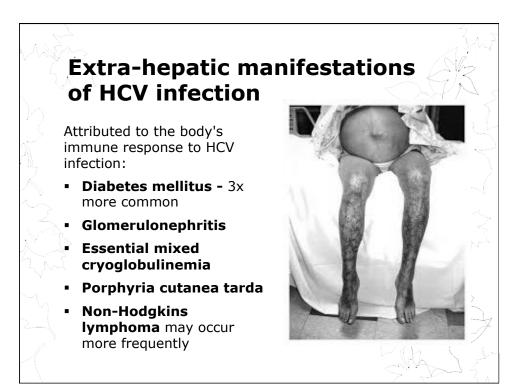


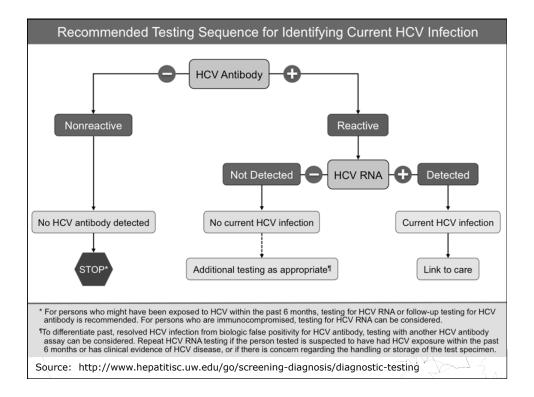


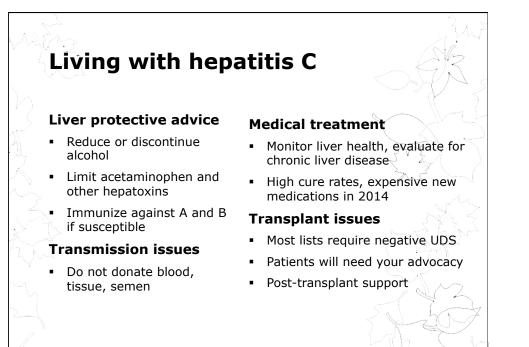


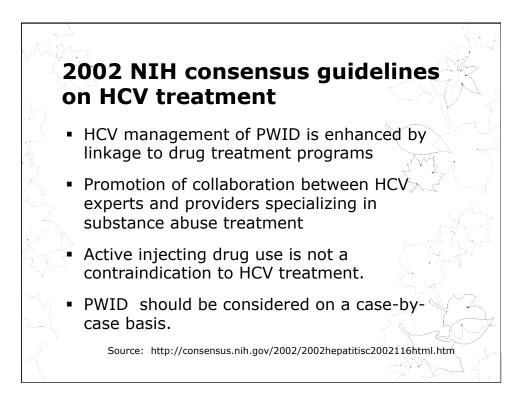






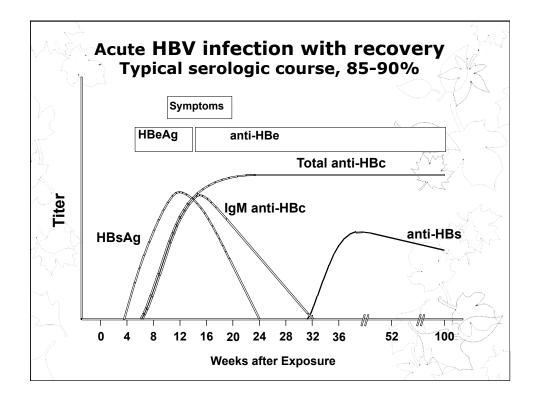


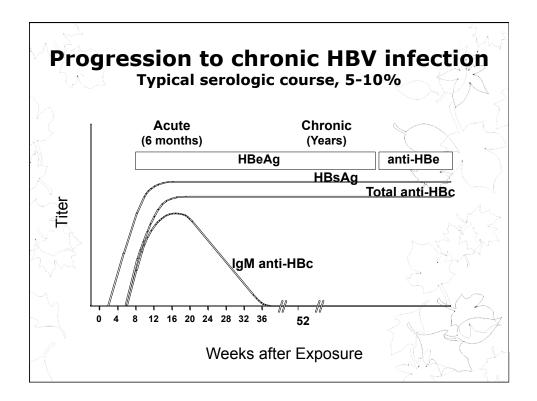




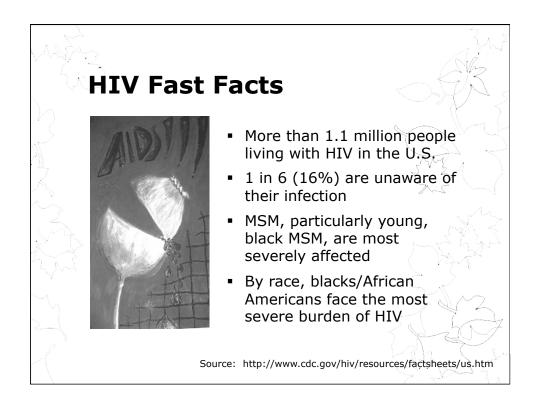


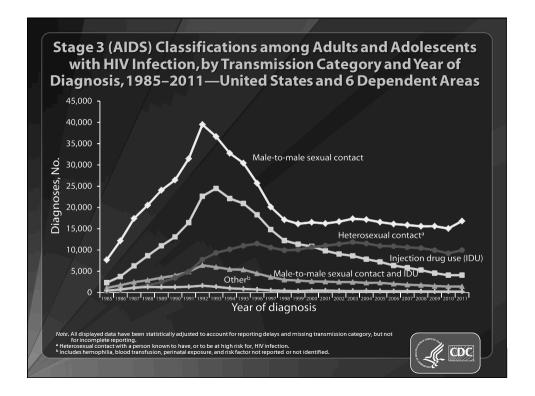
	valence of HBV	Infection
by risk popula	tion	
Population	Chronically infected with HBV*	Ever infected with HBV**
-	%	%
General U.S. population	0.3 (95% CI : 0.2–0.4)	4.8% (95% CI: 4.2%-5.5%)
Persons who inject drugs	3 - 6	20 - 70
Men who have sex with men	1 - 3	10 - 40
Persons living with HIV	4 -17	24 – 76
Sexual contacts of persons with HBsAg+	3.5 – 9	25 - 59
Household contacts of persons with HBsAg+	3 - 20	15 - 60

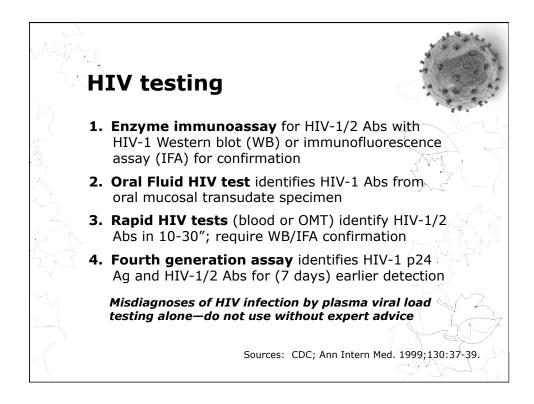


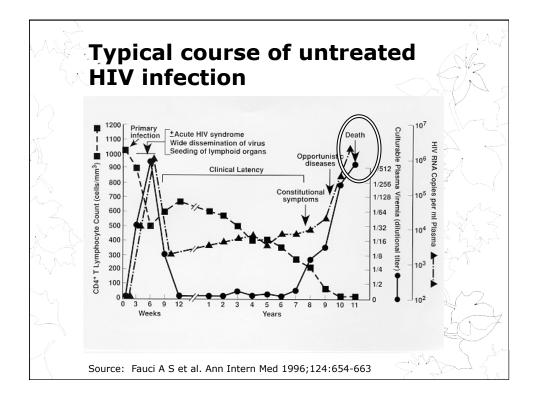


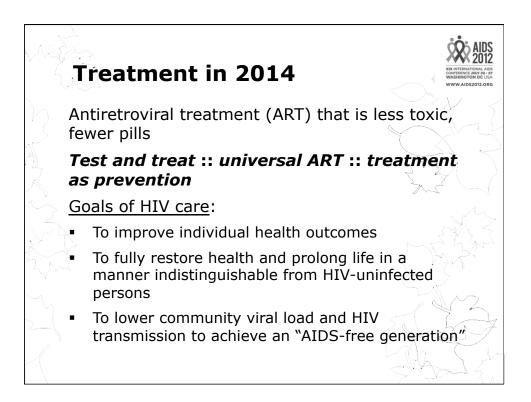
		4
Medication	Dose	
Interferon alfa-2b	5 million IU sq once daily or 10 million IU sq 3x/week	
Peg-interferon alfa-2a	180 mcg sq once weekly	
Lamivudine (3TC)	100 mg PO once daily 300 mg PO once daily for HIV-infected	
Adefovir (ADV)	10 mg PO once daily	
Entecavir (ETV)	0.5 mg PO once daily (treatment-naïve) 1 mg PO once daily (3TC resistant)	
Telbivudine (LdT)	600 mg PO once daily	
Tenofovir (TDF)	300 mg PO once daily	



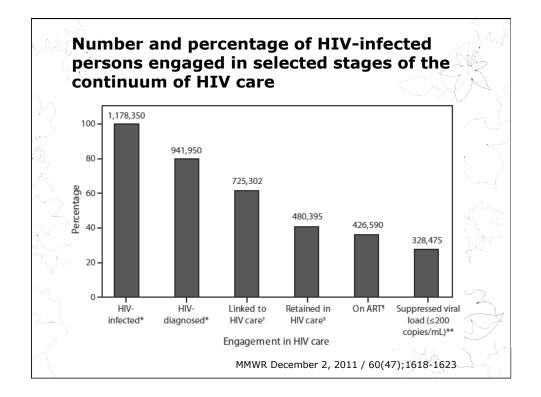


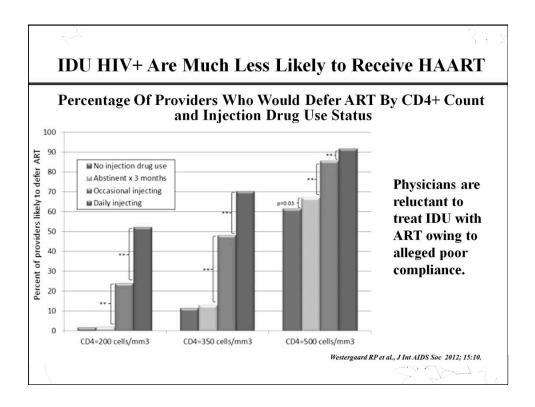


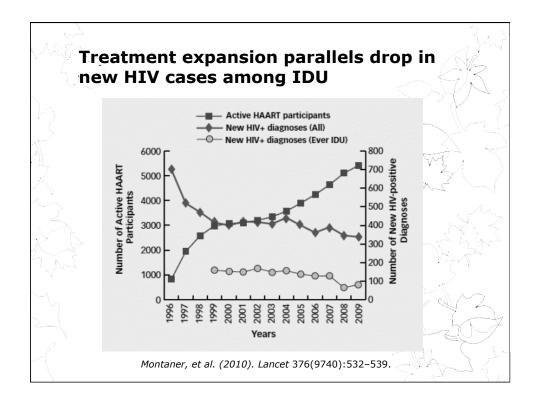


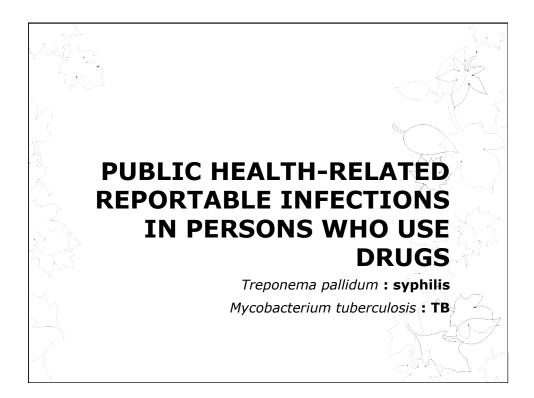


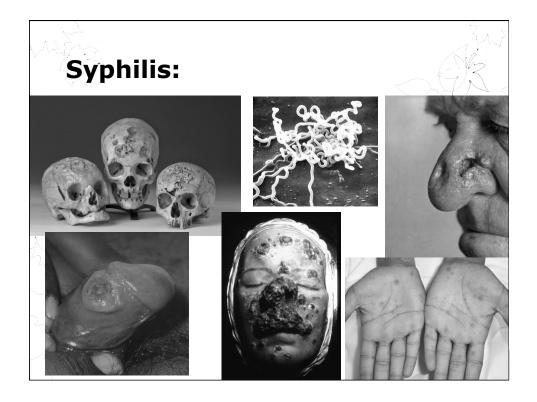
ANTIRETROVIRAL	METHADONE	BUPRENORPHINE	
Nucleoside RTI			
Zidovudine	↑ zidovudine	none 🧟	
Non-nucleoside RTIs			
Efavirenz	↓ methadone	none 🎢	
Nevirapine	↓ methadone	none	
Protease Inhibitors			
Ritonavir	↑ methadone	î bup 👩	
Lopinavit/ritonavir	↓ methadone	None	
Atazanavir/ritonavir	None	î bup 🎢	
Darunavir	↓ methadone	unknown	

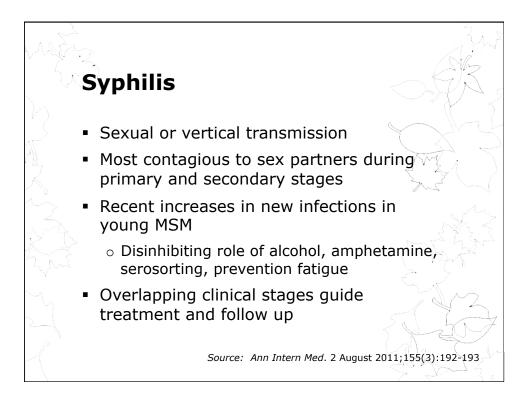


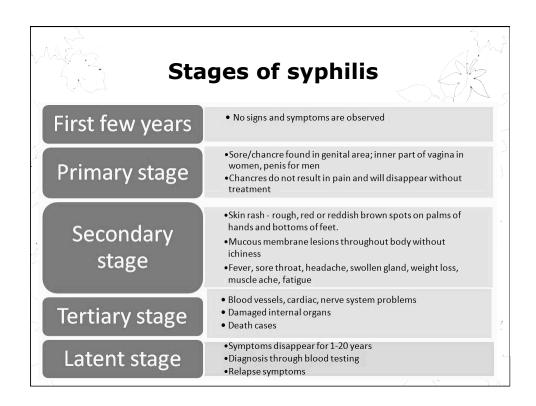


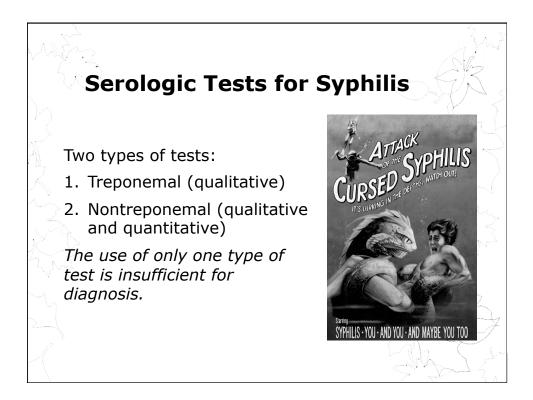


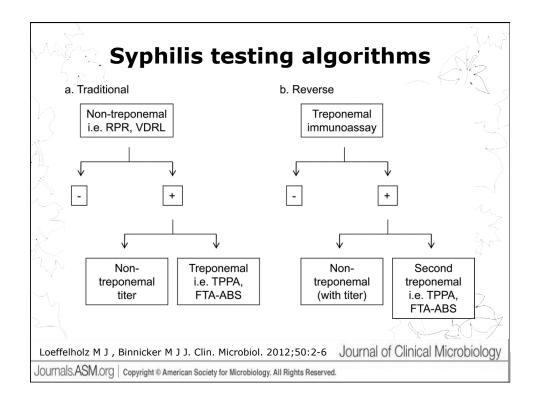


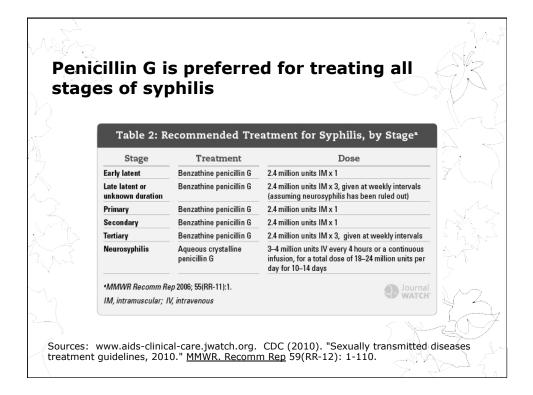


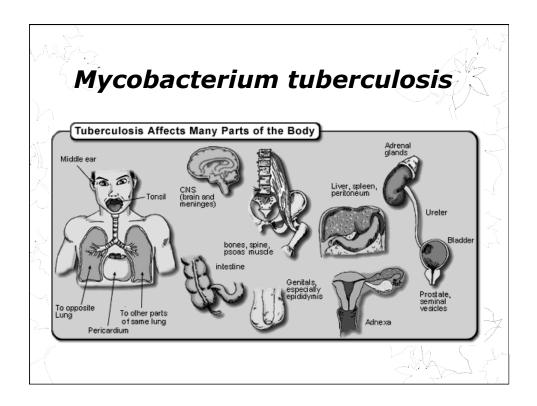


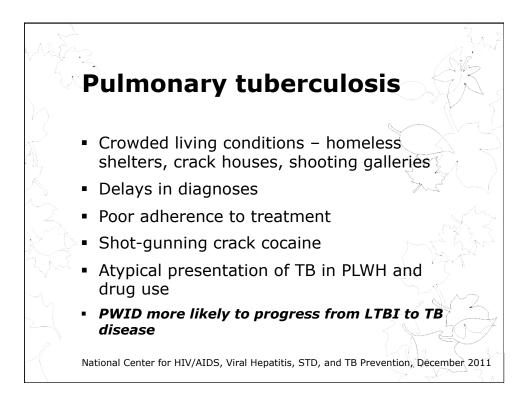


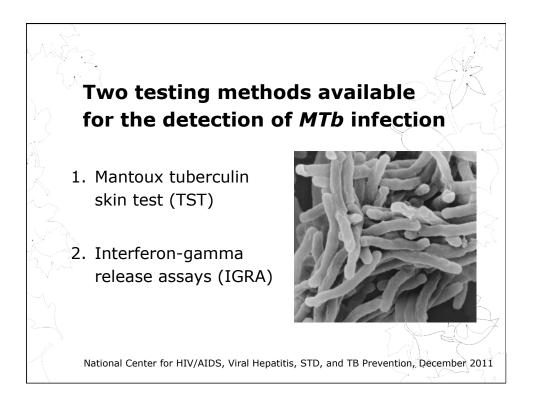


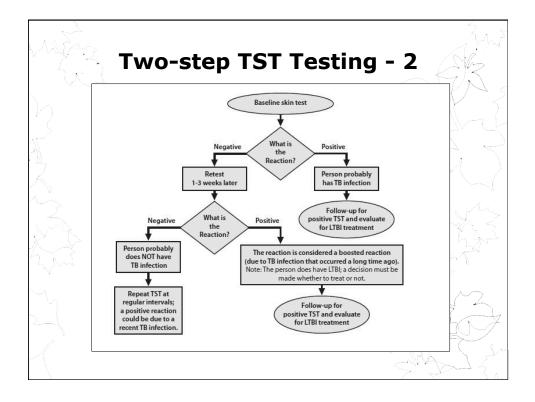


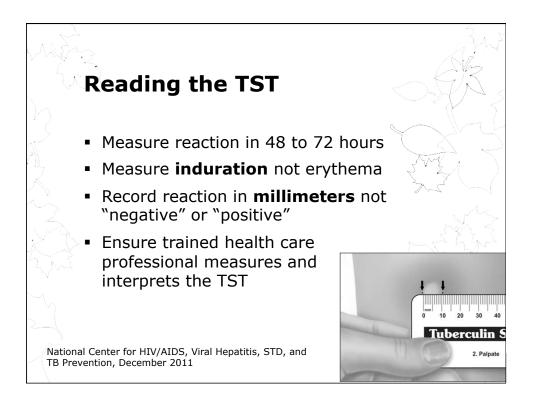


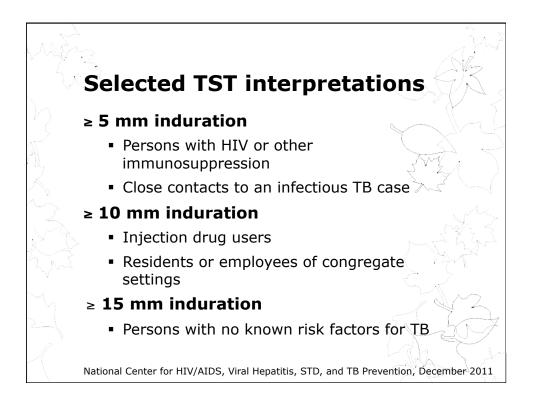


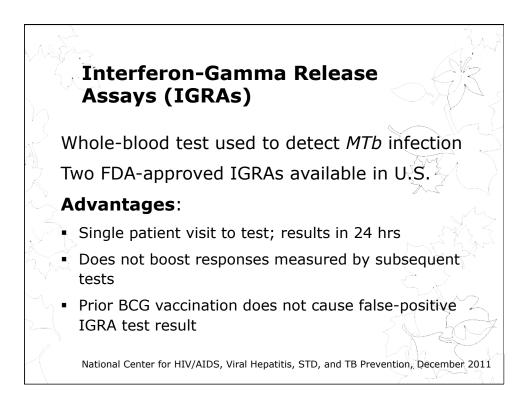


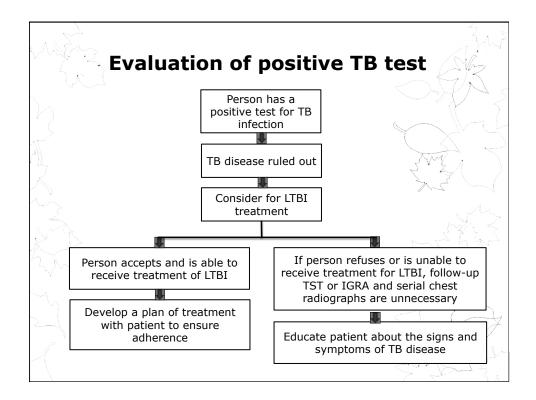






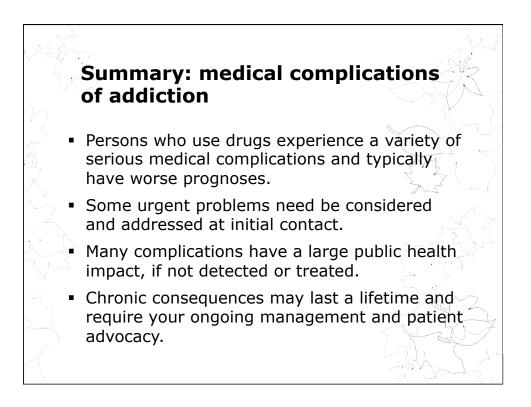


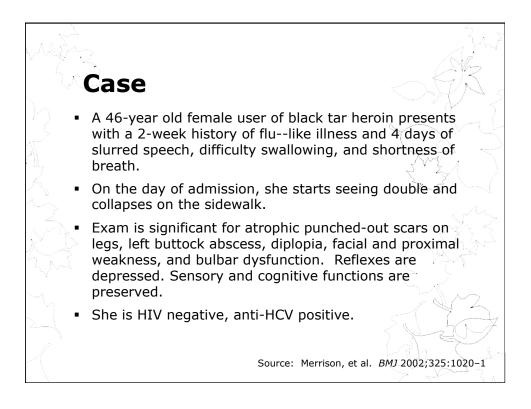




Drug(s)	Duration	Interval	Minimun Doses
Isoniazid 9 m	9 months	Daily	270
		Twice weekly	76
	6 months	Daily	180
		Twice weekly	52
Isoniazid & Rifapentine	3 months	Once weekly	12
Rifampin	4 months	Daily	120

Treatment regimens for culture- Jinitial Phase 2 months - INH, RIF, PZA, EMB daily (56 doses, within 8 weeks) **Continuation Phase** Options: 1 4 months - INH, RIF daily (126 doses, within 18 weeks) 2) 4 months - INH, RIF twice / week (36 doses, within 18 weeks) 3) 7 months - INH, RIF twice / week (62 doses, within 31 weeks)* 4) 7 months - INH, RIF twice / week (62 doses, within 31 weeks)* * Continuation phase increased to 7 months if initial chest x-ray shows cavitation and specimen collected at end of initial phase (2 months) is culture positive





The medical consequences of addiction may be due to different mechanisms. Using the framework below, which most likely explains this patient's presentation?

- A. Drug-specific effects
- B. Routes of drug administration
- C. Drug contamination
- D. Behaviors associated with substance use
- E. Co-occurring mental illness

