

• CRICS 5: The end of Privileged Knowledge

•CRICS 6: Data mining and knowledge management in support of decisions

•CRICS 7: Which gene did you mean?



CRICS 8: From the Text Web to the Concept Web and....

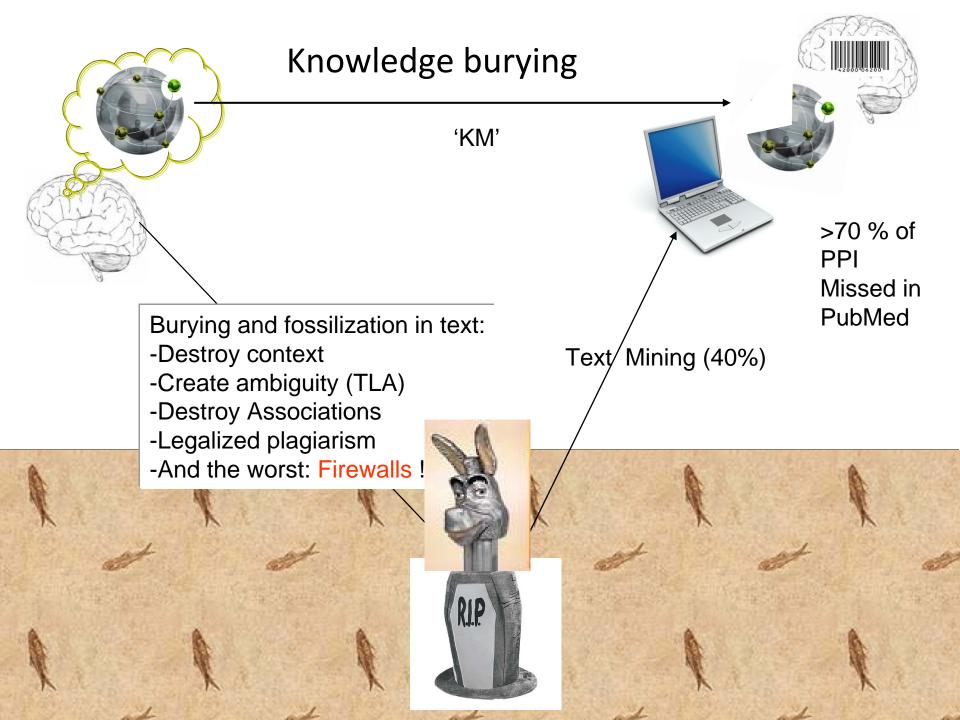
beyond English

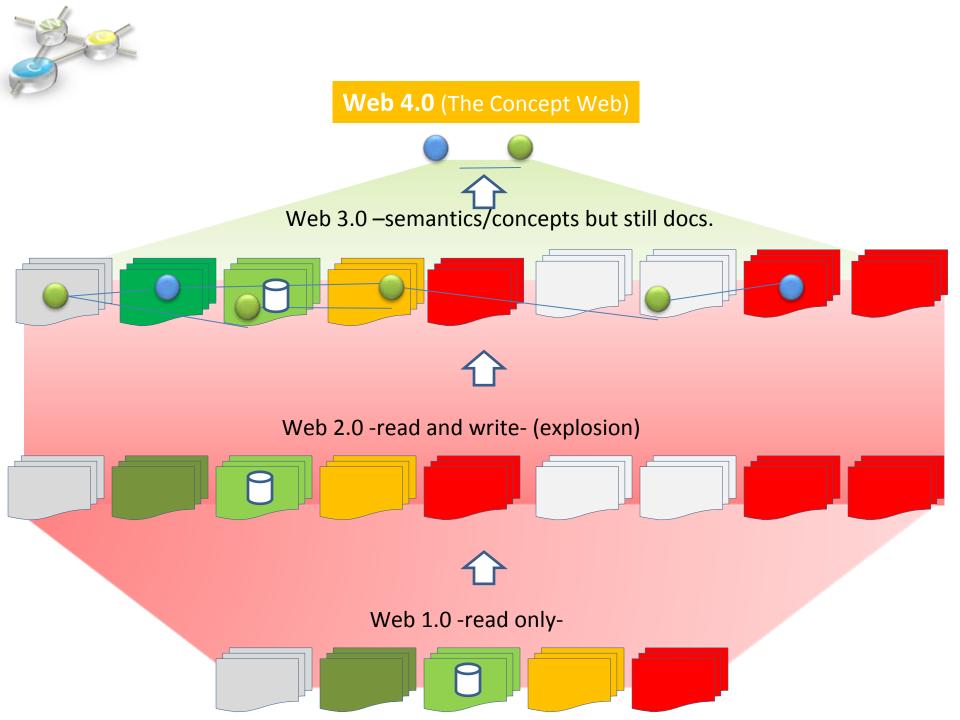
Barend Mons

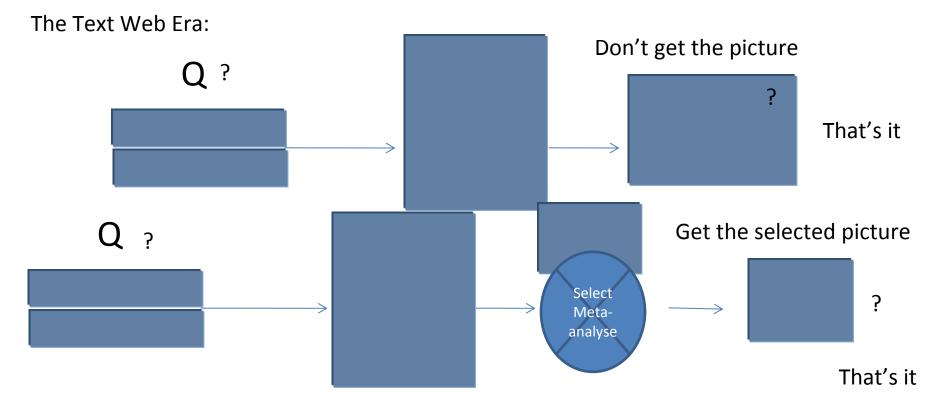


Problems with the 'Text Web'

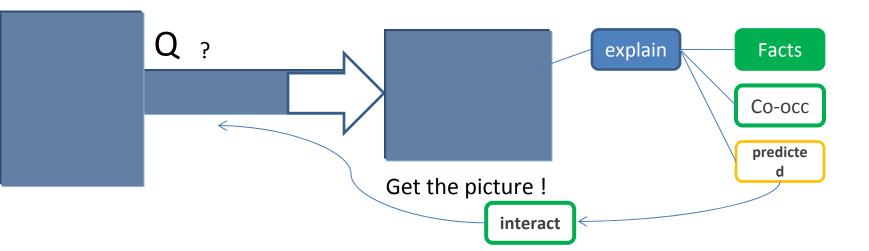
- Ambiguity
- Redundancy
- Fragmentation













<Source concept>

Knowlet Construction

<Target Concept>

<Relations>:

<Type F1> Database facts (mutiple attributes)

<Type F2> Community Annotations (WikiProf)

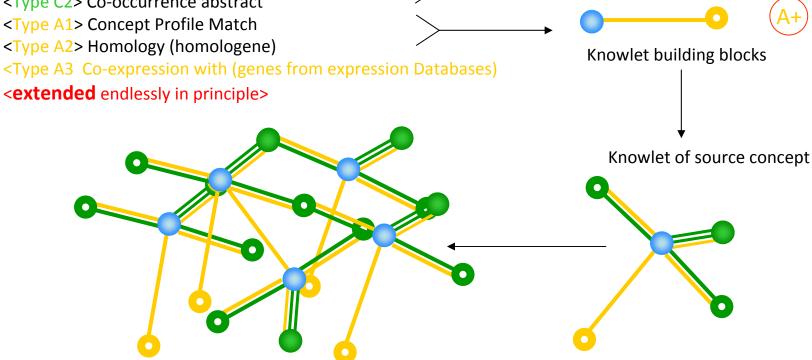
<Type C1> Co-occurrence sentence

<Type C2> Co-occurrence abstract

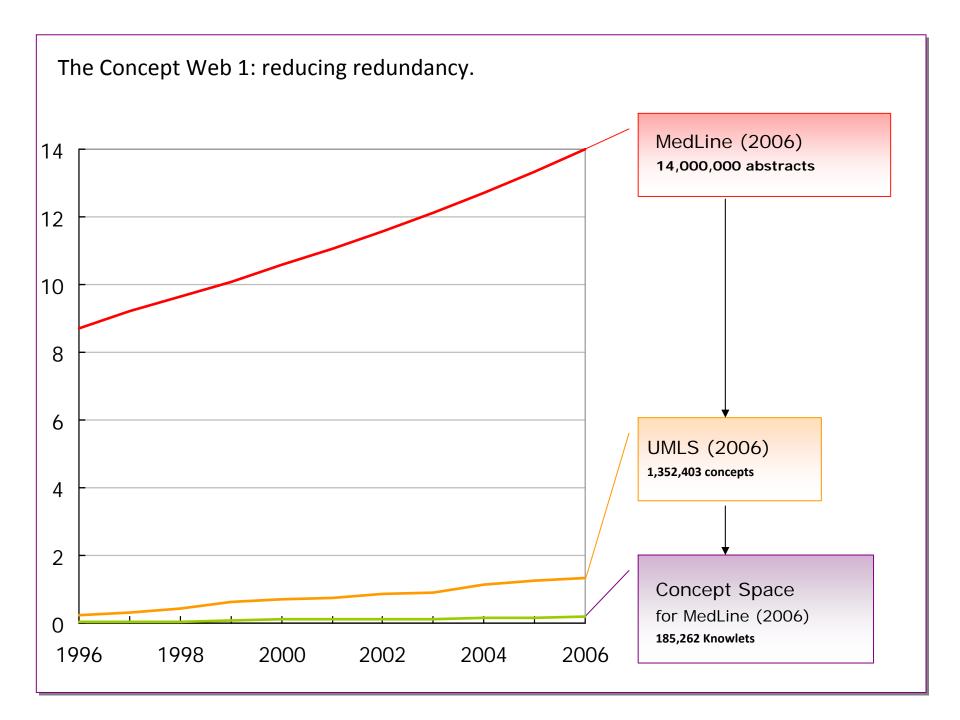
<Type A1> Concept Profile Match

<Type A2> Homology (homologene)

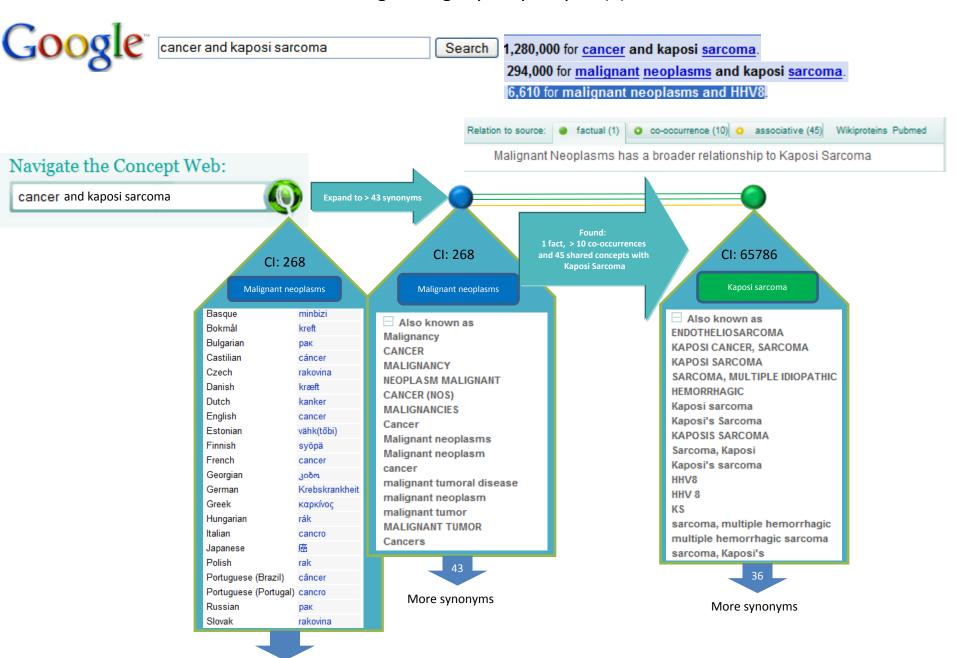
<extended endlessly in principle>



Knowlet Space



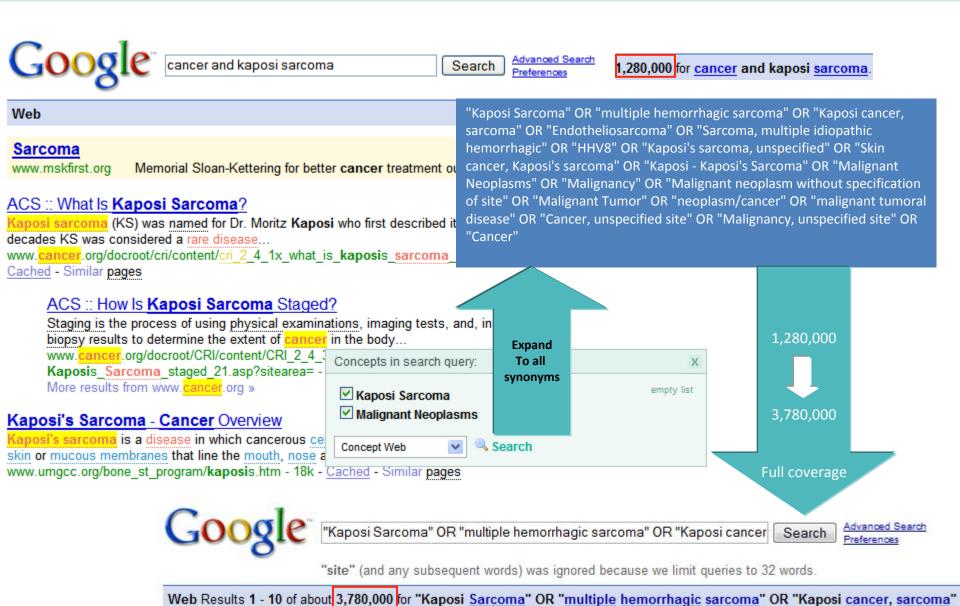
Solving Ambiguity 1: synonyms (1)



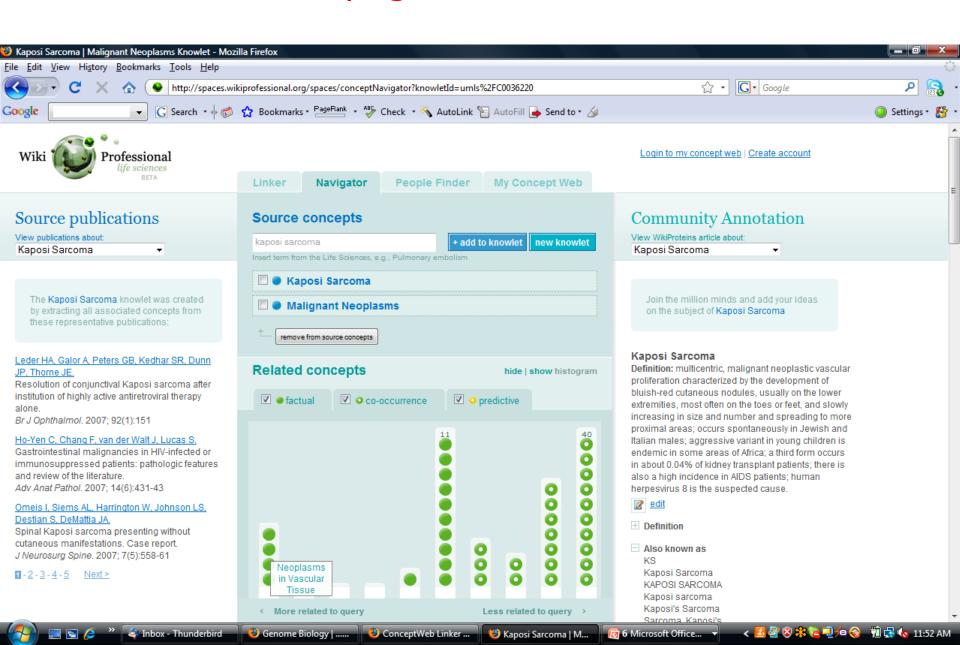
>1000 languages



Solving Ambiguity 1: synonyms (2)



3,780,000 pages >>>>> 1 Knowlet



Solving Ambiguity 2: Homonyms (1)



Doctor of Dental Medicine

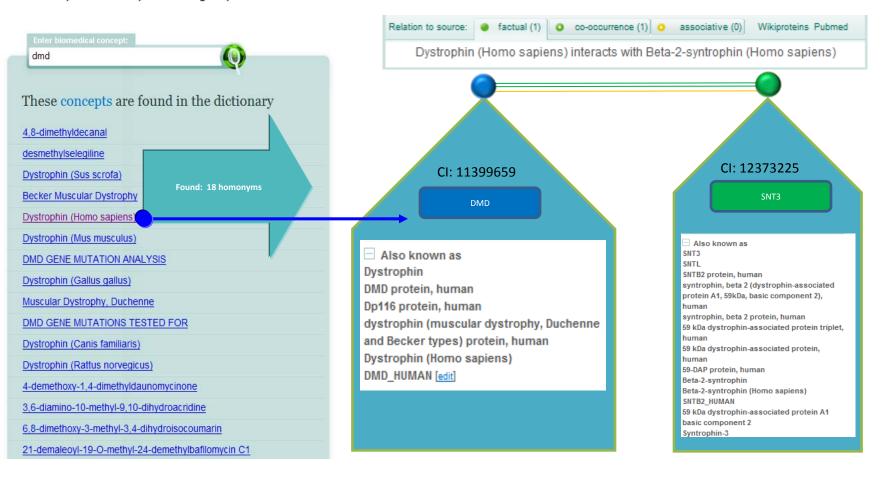
<u>Duchenne Muscular Dystrophy (DMD)</u> <u>Drug Metabolism and Disposition</u>

OMIM - DYSTROPHIN; **DMD**

DMD Compiler

Multiple meanings: SNTL - WikiProteins

Interacts with the dystrophin protein DMD and related prefrom "http://www.wikiproteins.org/Expression: SNTL" ...



Removing Redundancy



malaria mosquito mosquitoes plasmodium

Search

Advanced Search

787,000 for malaria mosquito mosquitoes plasmodium



Malaria is transmitted by mosquitoes

malaria and mosquitoes

Items 1 - 20 of 5719

Malaria is transmitted by mosquitoes Malaria is transmitted by mosquitoes Plasmodium is transmitted by mosquitoes Malaria is transmitted by mosquitoes Malaria is transmitted by Anopheles 1895: P. falciparum is transmitted by Culicidae 1895: C=1 A=0.02P. vivax is transmitted by Culicidae Plasmodium falciparum is transmitted by Anopheles gambiae Malaria is transmitted by mosquitoes C+, A+ Malaria is transmitted by mosquitoes Malaria is transmitted by mosquitoes Malaria is transmitted by mosquitoes 2008 2008 C = 5719C = 0.89Malaria is transmitted by mosquitoes Malaria is transmitted by mosquitoes



Wiki's and Community Annotation

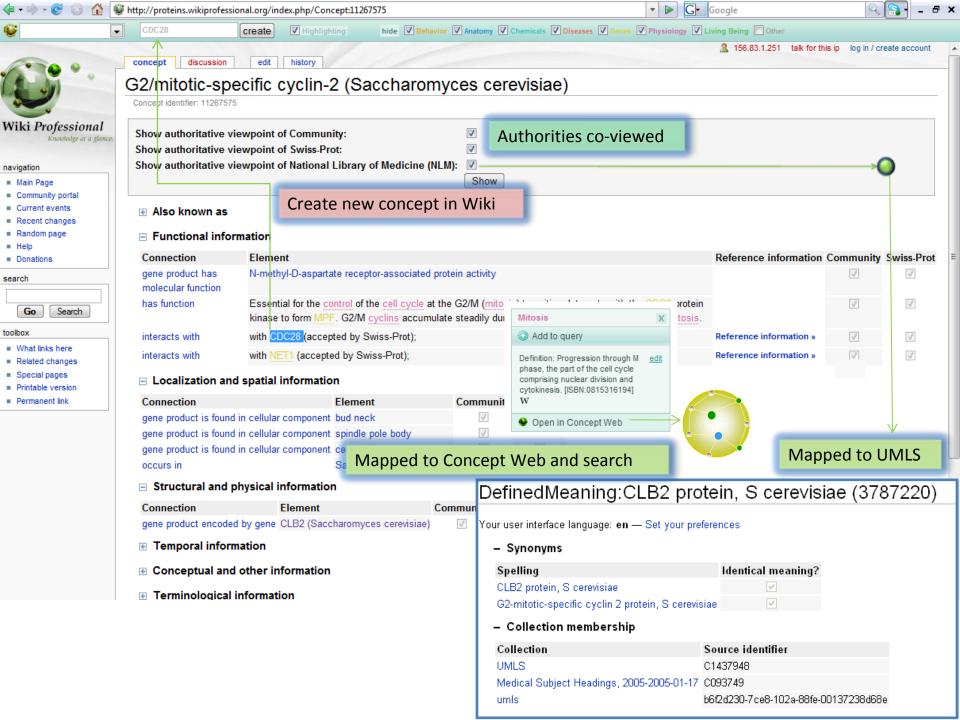
Accesses
10668
evaluated on
F1000
RIOLOGY

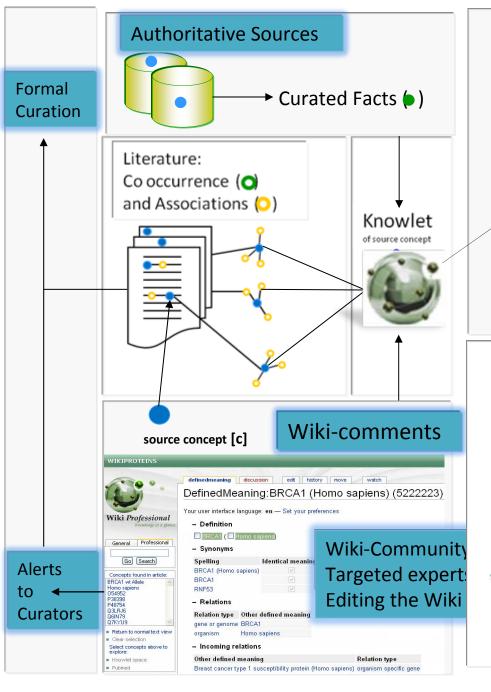
6. Software Open Access Highly accessed

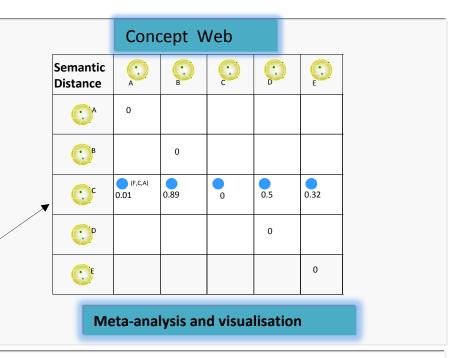
Calling on a million minds for community annotation in WikiProteins
Barend Mons, Michael Ashburner, Christine Chichester, Erik van Mulligen, Marc Weeber,
Johan den Dunnen, Gert-Jan van Ommen, Mark Musen, Matthew Cockerill, Henning
Hermjakob, Albert Mons, Abel Packer, Roberto Pacheco, Suzanna Lewis, Alfred Berkeley,
William Melton, Nickolas Barris, Jimmy Wales, Gerard Meijssen, Erik Moeller, Peter Jan

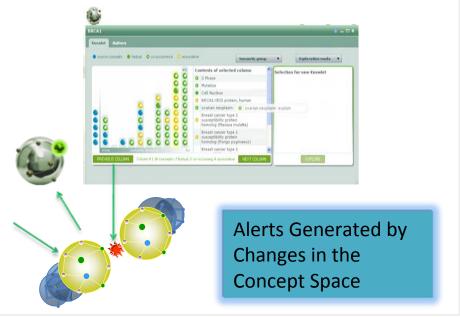
Genome Biology 2008, 9(5):R89 (28 May 2008)

Roes, Katy Borner, Amos Bairoch









<u>Lolekha R, Anuwatnonthakate A, Nateniyom S, Sumnapun S, Yamada N, Wattanaamornkiat W, Sattayawuthipong W, Charusuntonsri P, Sanguanwongse N, Wells CD, Varma JK.</u>

ABSTRACT: BACKGROUND: Of the 9.2 million new TB cases occurring each year, about 10% are in children. Because childhood TB is usually non-infectious and non-fatal, national programs do not prioritize childhood TB diagnosis and treatment. We reviewed data from a demonstration project to learn more about the epidemiology of childhood TB in Thailand. METHODS: In four Thai provinces and one national hospital, we contacted healthcare facilities monthly to record data about persons diagnosed with TB, assist with patient care, provide HIV counseling and testing, and obtain sputum for culture and susceptibility testing. We analyzed clinical and treatment outcome data for patients age < 15 years old registered in 2005 and 2006. RESULTS: Only 279 (2%) of 14,487 total cases occurred in children. The median age of children was 8 years (range: 4 months, 14 years). Of 197 children with pulmonary TB, 63 (32%) were bacteriologically-confirmed: 56 (28%) were smear-positive and 7 (4%) were smear-negative, but culture-positive. One was diagnosed with multi-drug resistant TB. HIV infection was documented in 75 (27%). Thirteen (17%) of 75 HIV-infected children died during TB treatment compared with 4 (2%) of 204 not known to be HIV-infected (p<0.01). CONCLUSIONS: Childhood TB is infrequently diagnosed in Thailand. Understanding whether this is due to absence of disease or diagnostic effort requires further research. HIV contributes substantially to the

PMID: 18637205 [PubMed - as supplied by publisher]

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▼ Show 20 ▼ Sort By ▼

childhood TB burden in Thailand and is associated with high mortality

 Add to search query (edit) Definition: species of Lentivirus, subgenus primate lentiviruses, formerly designated T cell lymphotropic virus type III/lymphadenopathy associated virus (HTLV-IIVLAV); it is acknowledged to be the agent responsible for the acute infectious manifestations, neurologic disorders, and immunologic abnormalities linked to the Acquired Immunodeficiency Syndrome (AIDS). WikiProfessional Open in Concept Web

HIV

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<u>Lolekha R, Anuwatnonthakate A, Nateniyom S, Sumnapun S, Yamada N, Wattanaamornkiat W, Sattayawuthipong W, Charusuntonsri P, Sanguanwongse N, Wells CD, Varma JK</u>.

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Retrovirus que causa el Sindrome de inmunodeficiencia adquirida (SIDA), una condición en los humanos en la cual el sistema inmunitario empieza a fallar, dejando paso a infecciones oportunistas que pueden ser mortales.

Open in Concept Web

Add to search query

HIV

VIH

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SciELO implementation by BIREME

