

Search Engine Optimization Experience



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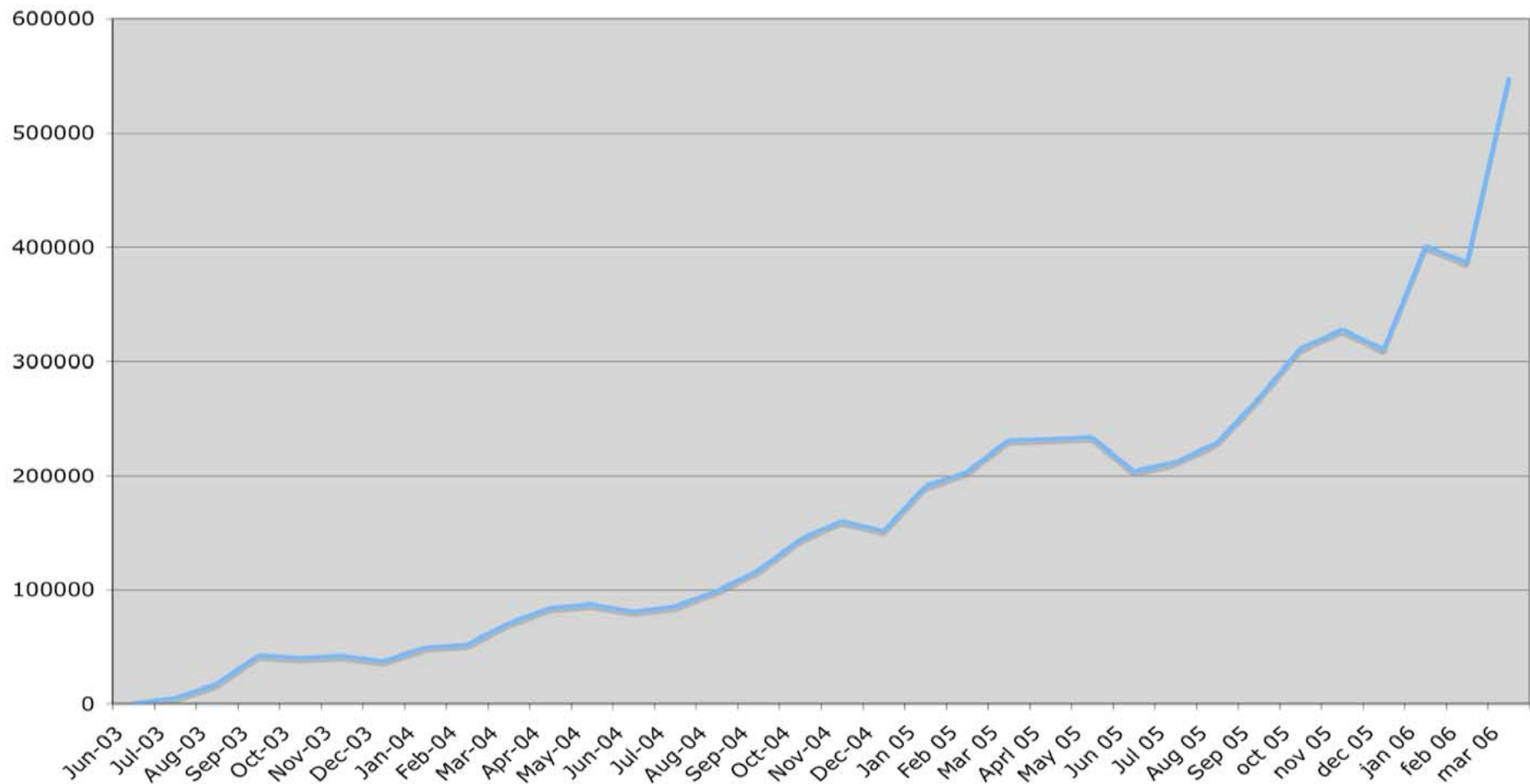
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08-16 16 67

Case study: Web4Health

From 0 to 500 000 visitors/month in three years without paying anything for advertising!



http://web4health.info/

Free medical advice on mental health, psychology, personality disorders, relationships, stress, anxiety, depression, emotional abuse, substance abuse, sexual abuse, types of mental illness, etc.

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Psychology Free Online Medical Advice



Answers to more than 700 questions about psychology, mental health and relationships, written by a team of experts appointed by the Commission of the European communities.

OTHER LANGUAGES



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[Italiano](#)



[Svenska](#)




[Deutsch](#)



[Greek](#)

INTELLIGENT NATURAL-LANGUAGE QUESTION-ANSWERING

Ask a simple question in one sentence (Note: Our answers are not oriented towards somatic - body - medicine): 

[Submit Question](#)

[Advanced search](#)

POWERED BY
QUICKASK

CATEGORIES

[Addiction](#)

[Healthy living](#)

[Psychotherapy](#)

[Anorexia](#)

[Anxiety](#)

[Bulimia](#)

[Child care](#)

[Depression](#)

[All menus](#)

[Life](#)

[Mood swings](#)

[Obesity](#)

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[Psychiatric drugs](#)

[All answers](#)

[Sex](#)

[Sleeping problems](#)

[Stress symptoms](#)

[Treatment](#)

[Workplace](#)

[More.....](#)

web site with 800
informational pages

Web4Health access statistics March 2006

548 537 total number of visitors/month

1 400 232 pages downloaded/month

7 472 376 hits since site opened

Income from Google Adsense ads: \$1 505

48,4% English

22,3% German

5,3% Greek

6,0% Italian

18,0% Swedish

10,8% Finnish

Distribution of visitors by
language

Google Advertising Income March 2006

792159 = Page Impressions

8449 = Clicks

1,07% = Click through frequency

\$1,90 = income/click

\$1506 = Total income

Goals of large Search Engines like Google

Find the best possible answer to a user's questions.

Methods for search engines to achieve this:

They look at various properties of a page, like title, text, incoming and outgoing links, style, topical area, etc.

How to get many visitors from Search Engines

Method 1: Make a very good web site.

Method 2: Make the Search Engines believe that you have a very good web site.

How Search Engines Rank Web Pages, answer 1

Make a web sites which is:

1. Unique
2. High quality
3. Lots of different pages with different titles
4. Available in multiple languages

How Search Engines Rank Web Pages, answer 2

5. Many external incoming links from pages which themselves have a high ranking.
6. As exact match as possible for the query phrase:
 - a. In the title (repetition in the title?).
 - b. Also in text in links pointing to this page (also internal links are of value).
 - c. Also elswewhere in readable text in the body, repeated 2-3 times, if the phrase is repeated more than 2-3 times, there is a risk that the search engine will regard it as spamming.
 - d. Some engines also look at meta-description and meta-keywords.
7. Manual classification for the most common search phrases.

Get Many Links to your Web Site

SEO is no magic, it is hard, tedious work. For Web4Health, important was that I submitted the site to Yahoo, The Open Directory and other high-rank pages. I also searched the web for high quality pages in the same area as ours, and wrote letters to them, asking for a link to our site, and promising a reciprocal link from our site to their site.

A somewhat less ethical way is to put links from other sites which you control. Thus, I put links from the web areas <http://www.palme.nu/> and <http://dsv.su.se/jpalme/>.

Other partners in the Web4Health project also put links from their personal sites to our site.

Note: Links from sites with domain names or IP numbers similar or equal to the optimized site have less value. Thus, since <http://cmc.dsv.su.se/> is on the same IP number as <http://web4health.info/>, links from the <http://cmc.dsv.su.se/> are not as useful.

Optimize for Good “Niche” Search Phrases

It is usually impossible to optimize for single words, because there is too much competition. Instead, you optimize for good 2-3 word search phrases. A good search phrase should:

1. Occur often in search phrases to search engines.
2. Not occur prominently in too many high quality competitive pages.

Optimizing includes:

1. Finding popular search phrases. There is no value in optimizing a page for the phrase “How children react to trauma”, because no one ever types that phrase into a search engine.
2. Checking the competition in other pages, especially high quality pages, for the same search phrase.
3. Find niches, phrases which users type, and which have not too hard competition.

Example of phrase optimization

FAQ identifier	child-trauma-symptoms
Original title	How children react to trauma
Optimized title 1	Effects of child abuse
Optimized title 2	How children react to trauma and effects of child abuse

No.	Keyword	KEI Analysis	Count	24Hrs	Competing
1	"effects of child abuse"	51.124	187	70	684
2	"child abuse statistics"	43.210	402	150	3740
3	"child sexual abuse trauma symptoms"	16.000	4	1	0
4	"signs of child molestation"	9.846	16	6	26
5	"articles on child abuse"	9.074	82	31	741
6	"symptoms of child molestation"	6.750	18	7	48
7	"child molestation law"	4.500	15	6	50
8	"information on child abuse"	3.531	161	60	7340
9	"child abuse laws"	3.522	127	47	4580
10	"child molestation statistics"	3.411	18	7	95
11	"child molestation"	0.671	213	80	67600
12	"child abuse prevention"	0.564	241	90	103000
13	"child abuse cases"	0.445	112	42	28200
14	"child sexual abuse"	0.431	373	139	323000
15	"child abuse and neglect"	0.109	168	63	258000
16	"molestation"	0.058	121	45	252000
17	"child trauma"	0.002	3	1	5900



Web [Images](#) [Video](#) ^{New!} [News](#) [Maps](#) [more »](#)

always tired

Search

Web

Results 1 - 10 of about 40,000,000 for [always tired](#). (0.23 seconds)

[Stop Being Tired](#)

www.stop-being-tired.com

Easy-to-follow program. No pills. No gimmicks.

Sponsored Link

Sponsored Links

[Dream More](#)

need a good nights sleep?

all natural guaranteed

www.naturalsleepsecrets.com/?hop=0

[Beating Tiredness](#)

Stop, heal & control tiredness now

Fast, easy, effective, 100% natural

www.beatingtiredness.com

[Why am I always Tired? Tired all day? Medical Causes?](#)

Medical conditions which can cause fatigue (tiredness).

web4health.info/en/answers/soma-cfs-other.htm - 20k - [Cached](#) - [Similar pages](#)

[Physical symptoms of depression](#)

These symptoms include aches and pains, weight loss, constipation, tiredness **always tired**, More about tiredness), loss of appetite, loss of interest in sex ...

web4health.info/en/answers/bipolar-phys-depr.htm - 22k - [Cached](#) - [Similar pages](#)

[Go Ask Alice!: Always tired](#)

Dear Alice, I'm **always tired**. I get plenty of rest (at least eight hours a night), eat healthy, and exercise regularly. I went to my doctor and he took ...

www.goaskalice.columbia.edu/0972.html - 14k - [Cached](#) - [Similar pages](#)

[Help... always tired/sleepy/groggy](#)

Sleep deprivation, Apnea Forum. Everything you wanted to know about sleep disorders but were too **tired** to ask.

www.sleepnet.com/forum4a/messages/392.html - 7k - [Cached](#) - [Similar pages](#)

[Clinical Research Message Board Comment: Subject:Always tired and ...](#)

Subject:**Always tired** and irritable.Why? Message posted by ERIN () on 21:0:38

0/20/100. Message:. About a year ago I finally broke down and saw a doctor ...

www.sleephomepages.org/discussions/clinicalR/messages/msgs04253.html - 5k -

[Cached](#) - [Similar pages](#)

Other methods

Meta-keywords:

```
<META name="keywords" content="rape, Sexual Abuse, Effects of Child Abuse, Symptoms of Child Molestation, Symptoms of Child Abuse, Effects of Child Molestation">
```

Meta-description:

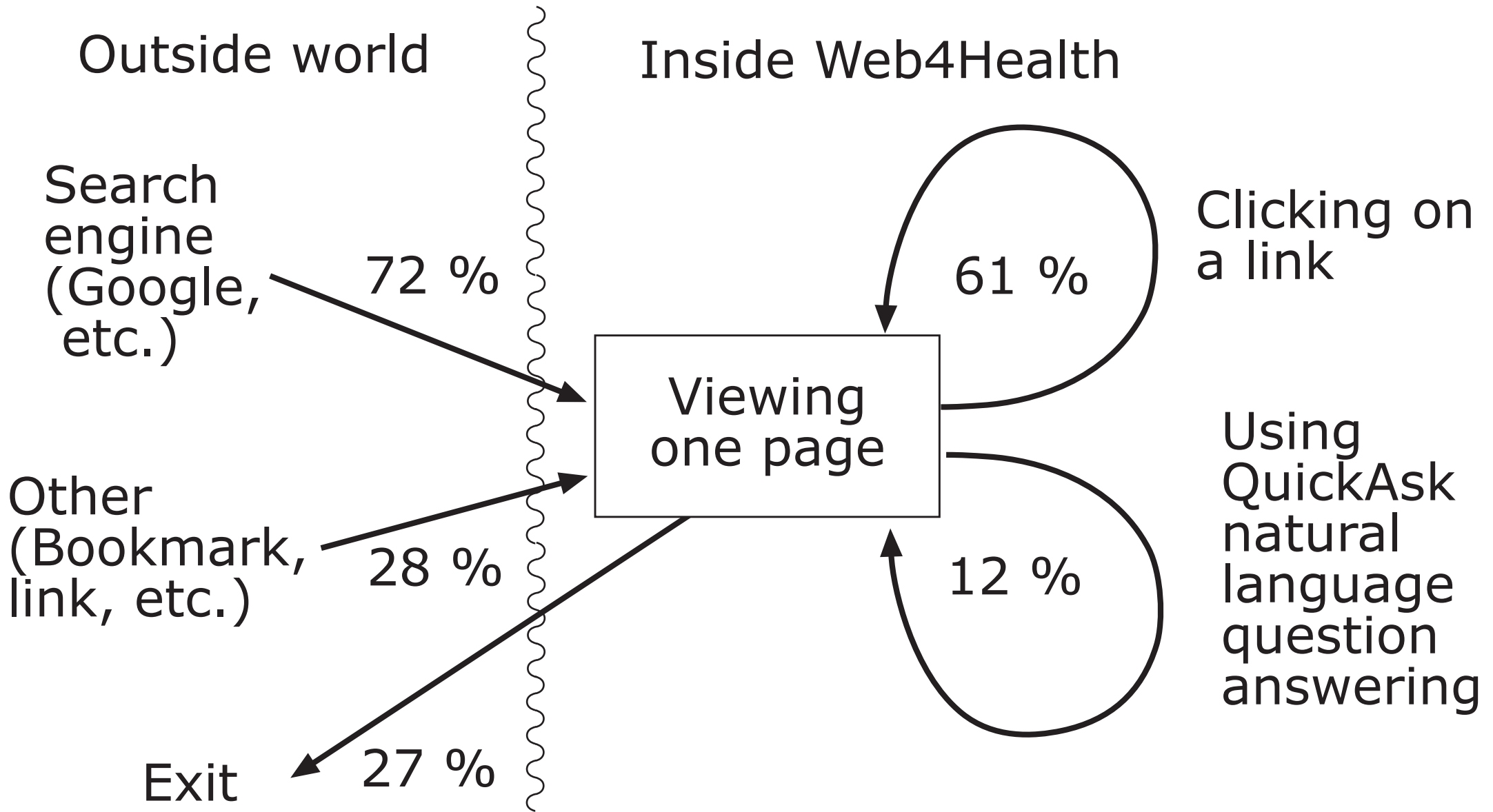
```
<META name="description" content="Describes the effects of child abuse and of other childhood trauma.">
```

Search Engine Optimization

Method	Why it works	How we used it
High quality web site	Search engine rank web sites	Our main goal
Get links from external sites	Search engines count links to web site.	We asked a number of high quality sites to set links to our site.
Submission to search engines and portals	Users come from them, and search engines rank by them.	Yahoo, The Open Directory, the Sunet Directory.
Search phrase optimization	Search engines ranks by count of phrases, especially in titles.	We found popular search phrases for 78 of our best FAQs, and optimized them.
Relevant internal linking	More relevant key words refer to a page.	Yes, a lot.

Dubious/Unethical Methods of SEO

Method	Why it works	How we used it
Doorway pages	More links, links with different texts	A little
Cloaking	Giving search engine spiders different pages	No
White text on white background	Does not work, search engines have learned to recognize it	No
Lots of lots of keywords	Does not work, search engines have learned to recognize it	A little
Link farms	Does not work, because farms get low ranking	No



Go to:

▼ New Question

► Answers

MORE INFO

Web4Health:
Health and
psychology

CATEGORIES

Addictions
ADHD
Anorexia
Anxiety, panic
Bulimia
Burnout
Depression
Healthy living
Instability
Life
Mood swings
Obesity
Phobia
Psychotherapy
Medicines
Relations
Sex
Sleep
Stress
Treatment

All answers
All categories

Tell a friend
about
Web4Health



Independent
medical
expert
answers

Symptoms/Signs of Anorexia Nervosa ; Anorexia Symptoms; What is Anorexia

Intelligent natural language question-answering in the area of psychology and psychiatry. Ask a simple question Info

Abstract: Describes anorexia symptoms, and give links to more information about signs of anorexia nervosa.

▲ Top ↔ Discuss this ↔ Ask an expert 🖨 Print

Written by: [Gunborg Palme](#), certified psychologist and certified psychotherapist, teacher and tutor in psychotherapy.

Question(s):

First version: 28 Oct 2003. Latest revision: 03 Jul 2005.

Describe the symptoms of eating disorders like Anorexia Nervosa. What are the main signs of anorexia nervosa?

Answer:

... omitted text ...

It can also depend on an addictive condition where starvation stimulates the body's reward centre. [More.](#)

... omitted text ...

[Causes of anorexia](#)

[Treatment of anorexia](#)

[Not eating can give a feeling of satisfaction](#)

[More about anorexia](#)

Quality of Search Result

Figures taken from a master's thesis at DSV and based on a random sample actual Swedish-language questions asked by visitors to Swedish medical web sites.

Note: These figures includes as negative result cases (about 10 % of all questions in the sample), where the web site did not have any answer to the question asked.

Search method	Percentage of search success
QuickAsk	90 %
Google restricted to a certain domain ("site:" command)	68 %

Why most site-internal search engines give bad results:

1. They only search on the words of the producers, not the words of the users.

Example: One of the two site-specific search engines provided by försäkringskassan, Sweden.

Search for "förtidspension" will work poorly, because the "correct" word is "sjukbidrag" and "aktivitetsersättning".

Search for "daghem" works poorly because the "correct" word is "barnstuga".

2. No good prioritizing among the matching pages.

Every good site-internal search engine requires manual classification by linguistic, not topic, experts.

Natural Language Question Answering

<i>Title:</i>	Is Self-Care/Self-Help Suitable Alternative Medicine?	<i>Examples of questions:</i>
<i>Required 1:</i>	self own myself himself herself yourself alone [without no [not ; any] ; care* help* aid* assist* support* backing*] unaided unsupport* unassist* chang* \$treat	<u>Without help</u> Can I <u>get better</u> on my <u>own</u> ? Can I <u>get better without</u> <u>help</u> of a doctor?
<i>Required 2:</i>	/ need* have must help* go went necessar* ; doctor* psychologis* psychother* profession* expert*	<u>Must</u> I get help from a <u>doctor</u> to stop smoking?
<i>Required 3:</i>	/ refus* reject* [say said says ; no] decline* deny deni* repel* spurn* disapprov* rebuff* resist* ; \$therapy \$psydrugs doctor* physicia* psychiatrist* psychotherapist*	What should I do if my <u>doctor</u> <u>refuses</u> to help me?
<i>Required 4:</i>	/ selfcare selfhelp	Is <u>selfcare</u> an alternative?
<i>Priority:</i>	[self ; help] doctor* psychologis* psychother* profession* expert* unaided unsupport* unassist* [without no [not ; any] ; care* help* aid* assist* support* backing*]	
<i>Optional:</i>	\$treat quit* resign* withdraw* discontin* reling* terminat* cease* stop* renounc* \$addiction \$stimulants mental* illness* psycho* problem* hand* recommen* suitab* alternativ* \$goodbad	

Några produkter för svensk sökning:

Produkt	Leve- rantör	Felstav- nings- kontroll	Svenska böjnings- former	Priorite- ring av vissa sidor	Synony- mer	Mönster	Sammanfattande bedömning
Quick- Ask	Asko- logy	Ja	Ja	Manuellt	Manuellt	Avan- cerat format	Mycket bra sökresultat men mera jobb med klassificeringen
Site- assis- tant web	Huma- ny	Ja	Ja	Manuellt	Automa- tiskt och manuellt	Enkla me- ningar	Enkel klassificering
Site- Seeker	Euro- Ling	Ja	Ja	Automa- tiskt och manuellt	Manuellt	Enkla me- ningar	Bra sökresultat, alla sidor behöver inte klassificeras
Google Site- Search	Google	Ja	Nej	Auto- matisk	Nej	Nej	Enkelt, bättre än de flesta site-interna sökverktyg men sämre än övriga produkter ovan. Ingen klassificering behövs.

Text and Structure

Subject trees

Fears, Phobias

Different Kinds of Phobias (Fears)

[Social phobia](#) • [Cannot talk to people](#) • [Weight phobia](#) • [Fear to use public toilets](#)

Causes

[Low self-esteem](#) • [Suppressed feelings](#) • [Dreams](#) • [Phobia and anxiety](#) • [Trauma](#)
[Incidence](#)

Incidence

[How many people suffer from phobia](#)

Treatment

[Snake phobia as an example of the treatment of phobia](#) • [Medicines](#) • [More about the treatment of phobia \(external link\)](#)

Internal links


... ..
... ..

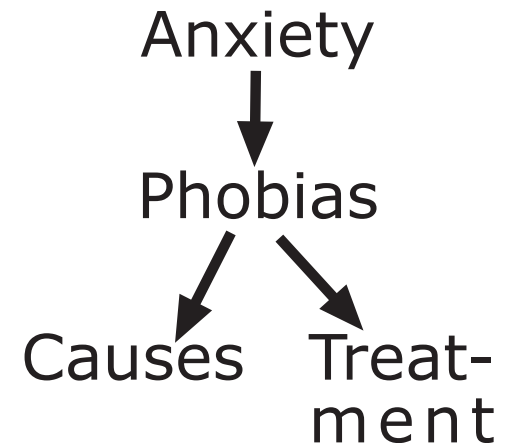
A similar condition may accordingly be classified as anorexia, bulimia or overweight depending on how much a person weighs. For example, a person can begin with anorexia and then go over to bulimia.

[Causes of anorexia](#)
[Treatment of anorexia](#)

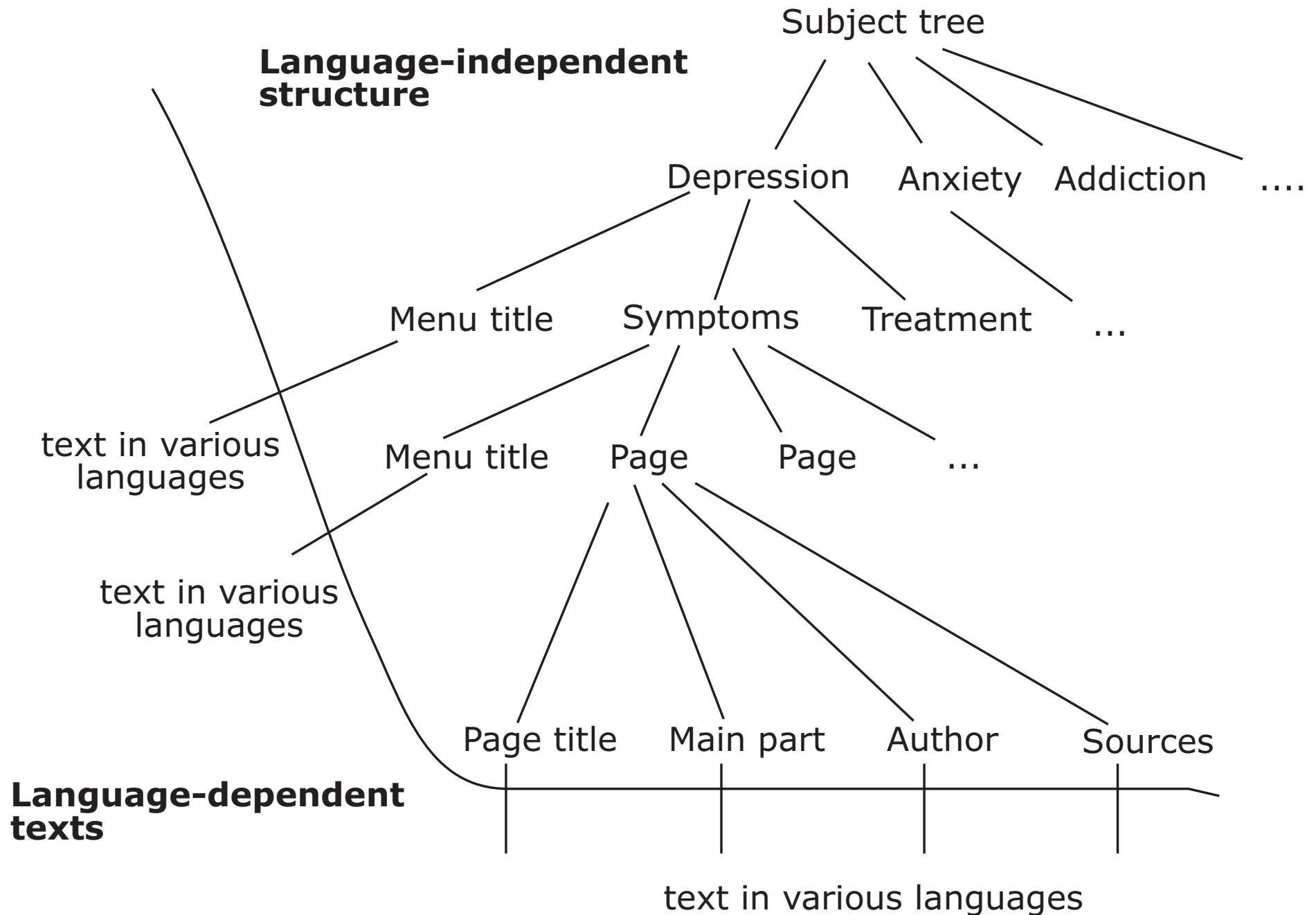
Classification or semantic web

INTELLIGENT NATURAL-LANGUAGE QUESTION-ANSWERING

Ask a simple question in one sentence (Note: Our answers are not oriented towards somatic - body - medicine): 



Separate structure and translatable texts



Sources

Report of First Promotion Stage, by Jacob Palme

<http://web4health.info/documentation/D-6-2-first-promotion.pdf>

Managing a web site in several languages, by Jacob
Palme, Terena networking conference 2005,

http://www.terena.nl/conferences/tnc2005/programme/presentations/show.php?pres_id=66

Natural Language Question Answering System,
Classification Manual, by Jacob Palme and Eriks
Sneiders,

<http://web4health.info/documentation/D2-2b-classification.pdf>

Good SEO sites

The UnFair Advantage on Winning the Search Engine War

<http://www.searchenginehelp.com/>



High Rankings Advisor

<http://www.highrankings.com/>



Search Engine Watch

<http://searchenginewatch.com/>



Wordtracker

<http://www.wordtracker.com/>



W O R D T R A C K E R

...The **Ultimate** Tool To Increase Your Website Traffic

Web4Health: Report of First Promotion Stage

<http://web4health.info/documentation/D-6-2-first-promotion.pdf>



A Swedish Book: "Sökmotormarknadsföring - Så får du fler besökare och kunder via sökmotorerna", by Urban Lindstedt and Christer Pettersson, <http://www.nodigitmedia.se/>

