

# Medical Billing & Coding

Coursework 102

## Medical Terminology

Coursework 102





## Medical Terminology

You may fear learning medical terminology thinking of it as a whole new language. Actually it is just a combination of terms many of which you are familiar with.

Each student needs to pull out a piece of paper and make a list of every medical term they are familiar with. We are not worried about spelling at this point just medical words you have heard used.



**List as many as you can think of**  
**Go To --Student Worksheet Med Terms**  
**I am going to start you off**

- 1. Tonsillitis – tonsils that are inflamed**
- 2. Cardiac - to do with the heart**
- 3. Pediatrician – Physician for children**



## Medical Terminology

Medical terms are built from four word parts that consist of the following components:

Root - the fundamental part of the word that contains the basic meaning and usually indicate the part of the body that is involved

Example- The root word cardi means “heart”



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Prefix - word parts that are added to the beginning of the word or root to modify the meaning and usually indicate location, time, number, or status

Example- The prefix pre when added to natal mean before “birth”



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Suffix - word parts that are added to the end of the word or root to modify the meaning and usually indicate the procedure, condition, disorder or disease

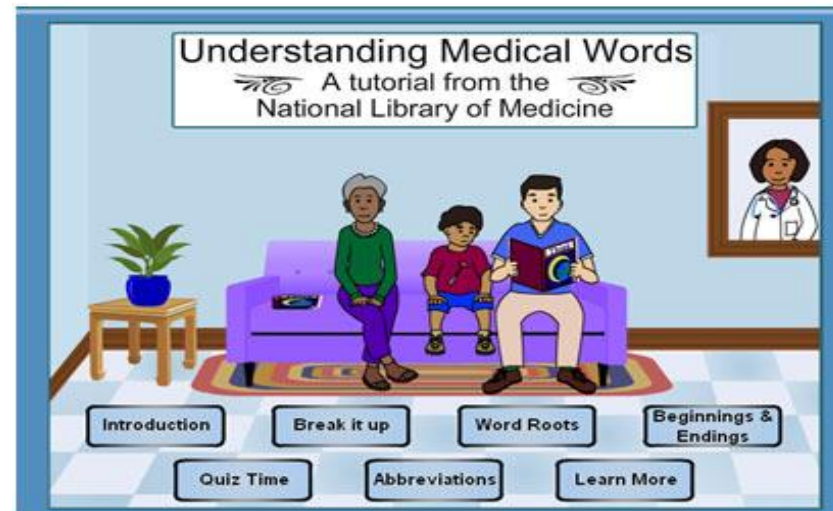
Example- The suffix ectomy when added to append (means appendix) is the “surgical removal” of the appendix Appendectomy

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Combining vowel- usually an “o” is used to aid in the pronunciation to connect two word roots or to connect a root word with a suffix when suffix doesn’t start with a vowel.

Example- electrocardiogram

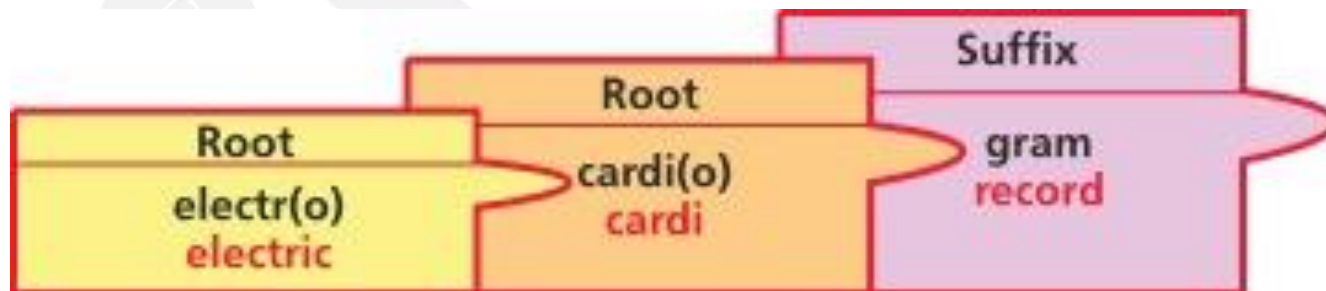


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## electr + cardi + gram

- electr – root word means electric
- cardi – second root word means heart
- gram – suffix means record







## Word Parts- Common Prefixes

PREFIX	MEANING
<b>NEGATION</b>	
a-, an	without
anti-, contra-	against, opposed to
de-	from, down, or not



## POSITION/DIRECTION

ab-	away from
ad-	to, toward, or near
circum-, peri-	around
dia-, trans-	across, through
e-, ec-, ex-	out, away
ecto-, exo-, extra-	outside
en-, endo-, intra-	within

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## POSITION/DIRECTION

epi-	upon
inter-	between
mes/o-	middle
meta-	beyond, after, or change
par/a-	alongside, normal
retro-	behind, backwards
sub-, infra-	below, under

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## QUANTITY/MEASUREMENT

bi-	both or two
hemi-, semi-	half
hyper-	above normal
hypo-	below normal
macr/o-	large
micr/o-	small
mon/o-, uni	one

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## QUANTITY/MEASUREMENT

olig/o-	few, small amount
pan-	all
poly-, mult-	many
neo-	new



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## QUANTITY/MEASUREMENT

quadra-, quadri-

four

super-, supra

above, excessive

tri-

three

ultra-

beyond, excessive

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## TIME

ante-, pre-, por-

before

brady-

slow

tachy-

fast

post-

after, behind

re-

again, back

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## GENERAL

con-, syn-, sym-

together, with

dys-

abnormal, difficult

eu-

normal, good



## Word Parts- Common Root Words

ROOT WORD	MEANING
abdomen/o	abdomen
lapar/o	
aden/o	gland
angi/o	
vas/o	vessel
vascul/o	
arth/o	joint

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ROOT WORD	MEANING
brachi/o	arm
burs/o	bursa
cardi/o	heart
carp	wrist
cephal/o	head
cervic/o	neck
cost/o	rib
crani/o	skull



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ROOT WORD	MEANING
cyan/o	blue
cyt/o	cell
eryth/o	red
fibr/o	fiber
gastr/o	stomach
gen/o	origin/ production
hem/o	blood
hemat/o	

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ROOT WORD	MEANING
hepatic/o	liver
hydr/o	water
leuk/o	white
lip/o	fat
lith/o	stone
mast/o	breast
maxilla/o	upper jaw
melan/o	black

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ROOT WORD	MEANING
my/o	muscle
myel/o	spinal cord; bone marrow
nas/o	nose
rhin/o	
or/o	mouth
orth/o	straight, correct, normal
oste/o	bone
path/o	disease

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ROOT WORD	MEANING
patell/o	knee
ped/i,	child
ped/o	foot
pod/o	
poli/o	gray
pelv/i	pelvis
phalang/o	Finger or toe bone
psych/o	mind

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ROOT WORD	MEANING
ren/o	kidney
nephr/o	
sinister/o	left side
ten/o	tendon
tend/o	
tendin/o	
ur/o	urine
urin/o	





## Word Parts- Common Suffixes

SUFFIX	MEANING
<b>ILLNESS</b>	
-algia	pain
-dynia	
-genesis	production of
-lysis	breaking down
-megaly	enlargement

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## ILLNESS

-penia	deficiency
-rrhea	discharge
-spasm	involuntary contraction

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## CONDITION OR DISEASE

-cele	hernia
-ectasis	expanding, dilating
-emia	blood condition
-iasis	pathological condition
-itis	inflammation
-malacia	softening

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## CONDITION OR DISEASE

-oma	tumor
-osis	condition, state, process
-ptosis	falling down, drooping
-rrhage	excessive flow
-rrhagia	
-rrhexis	rupture

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## SURGICAL/TREATMENT

-censuses	puncture for aspiration
-desis	binding
-ectomy	removal of
-pexy	fixation
-plasty	surgical repair
-rrhaphy	suture
-toma	incision
-stomy	creating an opening
-tripsy	crushing

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## PERTAINING TO

-ac	pertaining to
-al	pertaining to
-ar	pertaining to
-ary	pertaining to
-eal	pertaining to
-ic	pertaining to
-ous	pertaining to
-tic	pertaining to

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## GENERAL

-icle	
-ole	small
-ula	
-ule	
-gram	record
-graphy	process of recording
-iatrics	treatment
-iatry	



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## GENERAL

-logy	study of
-logist	one who practices
-ist	specialist
-metry	measuring
-poiesis	formation
-scopy	examination
-stasis	stopping, constant

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- Spelling is always important changing just one or two letters can change the meaning of the word.
- Remember medical terms are not always spelled like they sound.





## Guidelines to Looking Up Unfamiliar Terms

SOUNDS LIKE	BEGINS WITH	EXAMPLE
F	F	Flatus (flay-tus)
	PH	Phalanx (fay-lanks)
J	G	Gingivitis (jin-jih-vye -tis)
	J	Jaundice (jawn-dis)

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SOUNDS LIKE	BEGINS WITH	EXAMPLE
K	C	Cardiac (Kar-dee-ack)
	CH	Cholera (kol-er-ah)
	K	Keloid (kee-loid)
	QU	Quadriplegic (kwad-rih-plee-jick)

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SOUNDS LIKE	BEGINS WITH	EXAMPLE
S	C	Cytology (sigh-tol-oh-jee)
	PS	Psychology (sigh-kol-oh-jee)
	S	Syndrome (sin-drome)

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SOUNDS LIKE	BEGINS WITH	EXAMPLE
Z	X	Xenograft (zen-o-graft)
	Z	Zygote (zye-goht)





## Abbreviations

CBC	Complete Blood Count
CSF	Cerebral Spinal Fluid
HCT	Hematocrit
CNS	Central Nervous System
PKU	Phenylketonuria
UA	Urinalysis
TBSA	Total Body Surface Area