

IDENTIFYING INFECTIONS

Syndromic Menu Ordering Reference Guide



Extended Respiratory Viral / Acute Rhinosinusitis **RVIRO**

SPECIMEN TYPES: Nasopharyngeal/Nares, Oropharynx/Throat/Oral, Cough Sputum

COMMON SIGNS & SYMPTOMS: Acute upper respiratory tract infection, high-grade fever, acute cough, runny nose, pain in throat, wheezing, or nasal congestion
J00, J06.9, R05.1, R50.9, Z20.828, Z20.822

Viral Adenovirus Coronaviruses (229E, HKU1, NL63, & OC43) COVID-19 Coronavirus (SARS-CoV-2)	Enterovirus D68 Human metapneumovirus Influenza virus A, B Parainfluenza virus (types 1, 2, 3, 4)	Respiratory syncytial virus Rhinovirus/Enterovirus
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Treatable Respiratory Viruses **SMRPP**

SPECIMEN TYPES: Nasopharyngeal/Nares, Oropharynx/Throat/Oral, Cough Sputum

COMMON SIGNS & SYMPTOMS: Acute upper respiratory tract infection, high-grade fever, cough, runny nose, pain in throat, wheezing, nasal congestion, shortness of breath, malaise
J00, J06.9, J10.1, R05.1, R06.2, R50.9, Z20.822

Viral COVID-19 Coronavirus (SARS-CoV-2)	Influenza virus A, B Respiratory syncytial virus
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Pharyngitis / Laryngitis **NWPHG**

SPECIMEN TYPES: Oropharynx/Throat/Oral

COMMON SIGNS & SYMPTOMS: Pain in throat, fever, pharyngeal edema, patchy tonsillar exudates, and tender/swollen anterior cervical lymph nodes
J00, J02.9, J06.0, R05.1, R05.2, R50.9

Bacterial Chlamydia pneumoniae Fusobacterium nucleatum, necrophorum Mycoplasma pneumoniae Streptococcus dysgalactiae (Group C & G Strep) Streptococcus pyogenes (Group A Strep)	Coronaviruses (229E, HKU1, NL63, & OC43) COVID-19 Coronavirus (SARS-CoV-2) Enterovirus D68 Human metapneumovirus Influenza virus A, B Parainfluenza virus (types 1, 2, 3, 4) Respiratory syncytial virus Rhinovirus/Enterovirus	Resistance dfr (A1, A5), sul (1, 2) ermB, C; mefA tet B, tet M
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Viral
Adenovirus

+ ADD-ON: Epstein-Barr Virus (Human Herpesvirus 4, EBV) (NWPHG478), Herpes simplex virus 1 (NWPHG533), Herpes simplex virus 2 (NWPHG534)

Bronchitis **RBVBP**

SPECIMEN TYPES: Nasopharyngeal/Nares, Oropharynx/Throat/Oral, Cough Sputum

COMMON SIGNS & SYMPTOMS: Upper or lower respiratory tract infection, including cough, moderate temperature elevation, and mucopurulent sputum
J20.8, J06.9, J10.1, J22, R05.1, R06.02, R06.2, R07.1, R50.9

Bacterial Haemophilus influenzae Moraxella catarrhalis Streptococcus pneumoniae Atypical Bacteria Bordetella pertussis, parapertussis, bronchiseptica Chlamydia pneumoniae Mycoplasma pneumoniae	Viral Adenovirus Coronaviruses (229E, HKU1, NL63, & OC43) COVID-19 Coronavirus (SARS-CoV-2) Enterovirus D68 Human metapneumovirus Influenza virus A, B Parainfluenza virus (types 1, 2, 3, 4)	Respiratory syncytial virus Rhinovirus/Enterovirus Resistance dfr (A1, A5), sul (1, 2) ermB, C; mefA tet B, tet M
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+ ADD-ON: Epstein-Barr Virus (Human Herpesvirus 4, EBV) (RBVBP478)

Pneumonia **RESPI**

SPECIMEN TYPES: Cough Sputum, Oropharynx/Throat/Oral, Nasopharyngeal/Nares

COMMON SIGNS & SYMPTOMS: Lower respiratory tract infection, high-grade fever, dyspnea, cough, sputum production, or hypoxia & chest x-ray opacity
J18.9, J22, R06.02, R06.2, R07.1, R50.9, R91.8

Bacterial Acinetobacter baumannii Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes Escherichia coli Haemophilus influenzae Klebsiella pneumoniae, oxytoca Moraxella catarrhalis Proteus mirabilis, vulgaris Pseudomonas aeruginosa Serratia marcescens Staphylococcus aureus Streptococcus agalactiae (Group B Strep) Streptococcus pneumoniae Streptococcus pyogenes (Group A Strep)	Atypical Bacteria Bordetella pertussis, parapertussis, bronchiseptica Chlamydia pneumoniae Legionella pneumophila Mycoplasma pneumoniae Viral Adenovirus Coronaviruses (229E, HKU1, NL63, & OC43) COVID-19 Coronavirus (SARS-CoV-2) Enterovirus D68 Human metapneumovirus Influenza virus A, B Parainfluenza virus (types 1, 2, 3, 4) Respiratory syncytial virus Rhinovirus/Enterovirus	Resistance ACT, MIR, FOX, ACC Groups CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups dfr (A1, A5), sul (1, 2) ermB, C; mefA IMP, NDM, VIM Groups mecA OXA-48, OXA-51 qnrA1, A2, B2 SHV, KPC Groups tet B, tet M
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Acute Otitis Media / Mastoiditis **AOTMM**

SPECIMEN TYPES: Ear, Nasopharyngeal/Nares

COMMON SIGNS & SYMPTOMS: Otitis media, ear pain, decreased or muffled hearing, bulging ear drum, drainage from ear, mastoiditis, redness or swelling behind ear lobe, fever, headache, or hearing loss
H65.23, H66.9, H70.0, H73.93, H92.09

Bacterial Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes Fusobacterium nucleatum, necrophorum Haemophilus influenzae Klebsiella pneumoniae, oxytoca Moraxella catarrhalis Mycoplasma pneumoniae Proteus mirabilis, vulgaris Pseudomonas aeruginosa Staphylococcus aureus Streptococcus pneumoniae	Streptococcus pyogenes (Group A Strep) Viral Adenovirus Coronaviruses (229E, HKU1, NL63, & OC43) COVID-19 Coronavirus (SARS-CoV-2) Enterovirus D68 Human metapneumovirus Influenza virus A, B Parainfluenza virus (types 1, 2, 3, 4) Respiratory syncytial virus Rhinovirus/Enterovirus	Resistance ACT, MIR, FOX, ACC Groups CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups dfr (A1, A5), sul (1, 2) ermB, C; mefA IMP, NDM, VIM Groups mecA OXA-48, OXA-51 qnrA1, A2, B2 SHV, KPC Groups tet B, tet M
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Urinary Tract Infection **UBASE**

SPECIMEN TYPES: Urine (voided), Urine (catheter), Internal Urethra

COMMON SIGNS & SYMPTOMS: Dysuria, hematuria, urgency of urination, frequency of micturition, or pain of micturition
N30.00, N30.01, N39.1, R30.0, R30.9, R31.0, R35.0, R82.9, R82.998, Z87.440

Bacterial

Acinetobacter baumannii
Citrobacter freundii
Enterobacter cloacae complex, Klebsiella
(Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Morganella morganii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens

Staphylococcus aureus
Staphylococcus epidermidis, haemolyticus, lugdunensis
Staphylococcus saprophyticus
Streptococcus agalactiae (Group B Strep)
Streptococcus pyogenes (Group A Strep)

Fungal

Candida albicans, parapsilosis, tropicalis
Candida glabrata (Nakaseomyces glabratus)
Candida krusei (Pichia kudriavzevii)

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
meca
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB

Urinary Tract Infection + High Risk Sexual Behavior **URINE**

SPECIMEN TYPES: Urine (voided), Urine (catheter), Internal Urethra

COMMON SIGNS & SYMPTOMS: Dysuria, hematuria, urgency of urination, frequency of micturition, pain of micturition, and high risk sexual behavior
N30.00, N30.01, N39.0, N39.1, R30.0, R30.9, R31.0, R35.0, R82.9, R82.998, Z87.440, Z20.2, Z72.51, Z72.52

Bacterial

Acinetobacter baumannii
Chlamydia trachomatis
Citrobacter freundii
Enterobacter cloacae complex, Klebsiella
(Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Morganella morganii
Mycoplasma genitalium
Mycoplasma hominis
Neisseria gonorrhoeae
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa

Serratia marcescens
Staphylococcus aureus
Staphylococcus epidermidis, haemolyticus, lugdunensis
Staphylococcus saprophyticus
Streptococcus agalactiae (Group B Strep)
Streptococcus pyogenes (Group A Strep)
Ureaplasma urealyticum
Ureaplasma parvum

Protozoal

Trichomonas vaginalis

Fungal

Candida albicans, parapsilosis, tropicalis
Candida glabrata (Nakaseomyces glabratus)
Candida krusei (Pichia kudriavzevii)

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
meca
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB



Urethritis / Discharge **URSDC**

SPECIMEN TYPES: Urine (voided), Internal Urethra

COMMON SIGNS & SYMPTOMS: Pain with urination, itching, burning, and discharge
R36.9, R30.0, R30.9, R31.9, Z20.2, Z72.51, Z72.52

Bacterial

Chlamydia trachomatis
Mycoplasma genitalium
Mycoplasma hominis
Neisseria gonorrhoeae
Ureaplasma urealyticum
Ureaplasma parvum

Viral

Herpes simplex virus 1
Herpes simplex virus 2

Protozoal

Trichomonas vaginalis

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

Vaginitis **VGITS**

SPECIMEN TYPES: Vaginal, Cervical/Endometrial, Vulva/Labia/Vestibule/Perineal, Urine (voided)

COMMON SIGNS & SYMPTOMS: Vaginal discharge, odor, itching, irritation, bacterial vaginosis, vulvovaginal candidiasis
N76.0, N76.1, N76.89, N77.1, N93.9, R30.0, Z72.51

Bacterial

Atopobium vaginae
BVAB2, 3 (Bacterial vaginosis-associated bacteria 2, 3);
Mobiluncus spp.
Chlamydia trachomatis
Gardnerella vaginalis
Megasphaera (types 1, 2)
Neisseria gonorrhoeae

Viral

Herpes simplex virus 1
Herpes simplex virus 2

Protozoal

Trichomonas vaginalis

Fungal

Candida albicans, parapsilosis, tropicalis

Candida glabrata (Nakaseomyces glabratus)
Candida krusei (Pichia kudriavzevii)

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

Recurrent Vaginitis **URDVS**

SPECIMEN TYPES: Vaginal, Cervical/Endometrial, Vulva/Labia/Vestibule/Perineal, Urine (voided)

COMMON SIGNS & SYMPTOMS: Pain with urination, burning, urethral discharge, vaginal discharge, odor, itching, irritation, or recurrent vaginitis
N76.0, N76.1, N76.89, N77.1, N93.9, R30.0, Z72.51

Bacterial

Atopobium vaginae
BVAB2, 3 (Bacterial vaginosis-associated bacteria 2, 3);
Mobiluncus spp.
Chlamydia trachomatis
Gardnerella vaginalis
Megasphaera (types 1, 2)
Mycoplasma genitalium
Mycoplasma hominis

Neisseria gonorrhoeae
Ureaplasma urealyticum
Ureaplasma parvum

Viral

Herpes simplex virus 1
Herpes simplex virus 2

Protozoal

Trichomonas vaginalis

Fungal

Candida albicans, parapsilosis, tropicalis
Candida glabrata (Nakaseomyces glabratus)
Candida krusei (Pichia kudriavzevii)

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

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Genital Lesion **GNLSN**

SPECIMEN TYPES: Genital Ulcer/Lesion, Vaginal, Cervical/Endometrial, Rectal/Anal/Peri-Anal, Oropharynx/Throat/Oral, Ulcer/lesion

COMMON SIGNS & SYMPTOMS: Genital ulcer or lesion
N48.5, N76.6, N50.9, N90.89, Z20.2, Z72.51, Z72.52

Bacterial

Chlamydia trachomatis
Haemophilus ducreyi
Treponema pallidum (Syphilis)

Viral

Herpes simplex virus 1
Herpes simplex virus 2
Mpox (Monkeypox)
Varicella zoster virus (Human Herpesvirus 3, VZV)

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

Pelvic Inflammatory Disease **GUPID**

SPECIMEN TYPES: Vaginal, Cervical/Endometrial

COMMON SIGNS & SYMPTOMS: Lower abdominal pain, abnormal vaginal bleeding, urinary frequency, and vaginal discharge
R10.30, N93.9, R35.0, R30.0

Bacterial

Actinomyces israelii
Chlamydia trachomatis
Mycoplasma genitalium

Mycoplasma hominis
Neisseria gonorrhoeae
Treponema pallidum (Syphilis)

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

Proctitis **GUPRS**

SWAB SITES: Rectal/Anal

COMMON SIGNS & SYMPTOMS: Rectal pain, rectal bleeding, and purulent rectal discharge
K62.89, K62.5, Z72.51, Z72.52, Z20.2

Bacterial

Chlamydia trachomatis
Neisseria gonorrhoeae
Treponema pallidum (Syphilis)

Viral

Herpes simplex virus 1
Herpes simplex virus 2
Mpox (Monkeypox)

Resistance

dfr (A1, A5), sul (1, 2)
ermB, C; mefA
tet B, tet M

Complicated Genitourinary Infection **GNURI**

SPECIMEN TYPES: Urine (voided), Urine (catheter), Internal Urethra, Vaginal, Cervical/Endometrial, Vulva/Labia/Vestibule/Perineal, Rectal/Anal, Penile Meatus, Genital Skin, Oropharynx/Throat/Oral

COMMON SIGNS & SYMPTOMS: Dysuria, hematuria, urgency of urination, frequency of micturition, fever, abdominal pain, and aerobic vaginitis
N89.9, R10.9, R30.0, R30.9, R31.9, R36.9, Z20.2, Z72.51, Z72.52

Bacterial

Acinetobacter baumannii
Atopobium vaginae
BVAB2, 3 (Bacterial vaginosis-associated bacteria 2, 3);
Mobiluncus spp.
Chlamydia trachomatis
Citrobacter freundii
Enterobacter cloacae complex, Klebsiella
(Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Gardnerella vaginalis
Klebsiella pneumoniae, oxytoca
Megasphaera (types 1, 2)
Mycoplasma genitalium
Mycoplasma hominis

Morganella morganii
Neisseria gonorrhoeae
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus epidermidis, haemolyticus, lugdunensis
Staphylococcus saprophyticus
Streptococcus agalactiae (Group B Strep)
Streptococcus pyogenes (Group A Strep)
Ureaplasma parvum
Ureaplasma urealyticum

Protozoal

Trichomonas vaginalis

Fungal

Candida albicans, parapsilosis, tropicalis
Candida glabrata (Nakaseomyces glabratus)
Candida krusei (Pichia kudriavzevii)

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
mecA
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB

CGT (Asymptomatic) **NWCGT**

SPECIMEN TYPES: Urine (voided), Urine (catheter), Internal Urethra, Vaginal, Cervical/Endometrial, Vulva/Labia/Vestibule/Perineal, Rectal/Anal, Penile Meatus, Genital skin, Oropharynx/Throat/Oral

COMMON SIGNS & SYMPTOMS: High risk heterosexual behavior, high risk homosexual behavior, or suspected exposure to a sexually transmitted infection
Z11.3, Z20.2, Z72.51, Z72.52

Bacterial

Chlamydia trachomatis
Neisseria gonorrhoeae

Protozoal

Trichomonas vaginalis



Diarrheal Disease **GSTRO**

SPECIMEN TYPES: Rectal (fecal), Stool

COMMON SIGNS & SYMPTOMS: Community-acquired diarrhea, pt has significant fever + bloody stools, <7 days of symptoms. Concern of parasitic infection if patient has symptoms >14 days
R19.7, R10.13, R10.30, A09

Bacterial

Campylobacter coli, jejuni, upsaliensis
Clostridioides difficile (toxins A, B)
Clostridium perfringens
Enteroinvasive E. coli (EIEC) / Shigella spp.
Salmonella
Shiga toxin producing E. coli (STEC)
Shiga toxin producing E. coli O157 (STEC O157)
Vibrio cholerae, parahaemolyticus, vulnificus
Yersinia enterocolitica

Viral

Norovirus (Genogroup 1, 2)
Rotavirus A, B, C

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB

+ ADD-ON: (ALL PARASITES: GSTROAO) (GSTRO475), Cyclospora cayetanensis (GSTRO476), Dientamoeba fragilis (GSTRO477), Entamoeba fragilis (GSTRO559), Giardia lamblia (intestinalis) (GSTRO481), Microsporidium (Enterocytozoon bienusi, Encephalitozoon intestinalis) (GSTRO483)

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Traveler's Diarrheal Disease **GSTRP**

SPECIMEN TYPES: Rectal (fecal), Stool

COMMON SIGNS & SYMPTOMS: Traveler's diarrhea, pt has significant fever + bloody stools, <7 days of symptoms. Concern of parasitic infection if patient has symptoms >14 days.
R19.7, R10.13, R10.30, A09

Bacterial

Campylobacter coli, jejuni, upsaliensis
Enterobacteriaceae E. coli (EPEC)
Enteroinvasive E. coli (EIEC) / Shigella spp.
Enteropathogenic E. coli (EPEC)
Enterotoxigenic E. coli (ETEC)
Salmonella
Shiga toxin producing E. coli (STEC)
Shiga toxin producing E. coli O157 (STEC O157)

Viral

Adenovirus F40/41
Norovirus (Genogroup 1, 2)
Rotavirus A, B, C
Resistance
ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mepA

IMP, NDM, VIM Groups
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M

+ ADD-ON: (ALL PARASITES: GSTRPAO) Cryptosporidium (GSTRP475), Cyclospora cayentanensis (GSTRP476), Dientamoeba fragilis (GSTRP477), Entamoeba fragilis (GSTRP559), Giardia lamblia (intestinalis) (GSTRP481), Microsporidium (Enterocytozoon bienusi, Encephalitozoon intestinalis) (GSTRP483)

Pediatric Diarrheal Disease **PEDGI**

SPECIMEN TYPES: Rectal (fecal), Stool

COMMON SIGNS & SYMPTOMS: Community-acquired pediatric diarrhea, pt has significant fever + bloody stools, <7 days of symptoms. Concern of parasitic infection if patient has symptoms >14 days.
R19.7, R10.13, R10.30, A09

Bacterial

Campylobacter coli, jejuni, upsaliensis
Enteroinvasive E. coli (EIEC) / Shigella spp
Salmonella
Shiga toxin producing E. coli (STEC)
Shiga toxin producing E. coli O157 (STEC O157)
Vibrio cholerae, parahaemolyticus, vulnificus

Norovirus (Genogroup 1, 2)
Rotavirus A, B, C
Sapovirus

qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mepA
IMP, NDM, VIM Groups
OXA-48, OXA-51

+ ADD-ON: (ALL PARASITES: PEDGIAO) Cryptosporidium (PEDGI475), Cyclospora cayentanensis (PEDGI476), Dientamoeba fragilis (PEDGI477), Entamoeba fragilis (PEDGI559), Giardia lamblia (intestinalis) (PEDGI481), Microsporidium (Enterocytozoon bienusi, Encephalitozoon intestinalis) (PEDGI483)



Superficial Wound **ACWUN**

SWAB SITES: Wound Swabs (all locations)

COMMON SIGNS & SYMPTOMS: Recent wound from trauma with erythema, edema, heat, purulent exudate, and/or pain
B00.9, B02.9, L01.00, L08.9, L30.9, L53.9, R60.0, S81.802A, S81.801A

Bacterial

Acinetobacter baumannii
Bacteroides fragilis, Phocaeicola vulgatus
Citrobacter freundii
Clostridium perfringens, novyi, septicum
Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca

Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Streptococcus agalactiae (Group B Strep)
Streptococcus pyogenes (Group A Strep)
Vibrio cholerae, parahaemolyticus, vulnificus

dfr (A1, A5), sul (1, 2)
ermB, C; mepA
IMP, NDM, VIM Groups
mecA
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups

+ ADD-ON: Mpox (Monkeypox) (ACWUN536), Herpes simplex virus 1 (ACWUN533), Herpes simplex virus 2 (ACWUN534), Varicella zoster virus (Human Herpesvirus 3, VZV) (ACWUN412)

Deep / Non-Healing Wound **WOUND**

SPECIMEN TYPES: Wound Swabs (all locations)

COMMON SIGNS & SYMPTOMS: Diabetic ulcer, tunneling wound, skin erythema, edema, warmth, abscess, or cellulitis
B00.9, B02.9, L01.00, L02.214, L02.818, L03.113, L03.114, L03.115, L03.116, L03.90, L30.4, L30.8, L89.144, L97.512, L97.522, S81.802A, S81.801

Bacterial

Acinetobacter baumannii
Bacteroides fragilis, Phocaeicola vulgatus
Citrobacter freundii
Clostridium perfringens, novyi, septicum
Corynebacterium jeikeium, striatum, tuberculoaerarium
Cutibacterium (Propionibacterium) acnes
Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Peptostreptococcus anaerobius, Peptoniphilus
asaccharolyticus, Finegoldia magna, Anaerococcus
prevotii

Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus epidermidis, haemolyticus, lugdunensis, saprophyticus
Streptococcus agalactiae (Group B Strep)
Streptococcus pyogenes (Group A Strep)
Vibrio cholerae, parahaemolyticus, vulnificus

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mepA
IMP, NDM, VIM Groups
mecA
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB

Viral

Herpes simplex virus 1
Herpes simplex virus 2
Varicella zoster virus (Human Herpesvirus 3, VZV)

Tinea **TNWUN**

SPECIMEN TYPES: Wound Swabs (all locations)

COMMON SIGNS & SYMPTOMS: Scaly ring-shaped area, itchiness, scaly skin, or noninflamed dermatosis on the body or hair follicle (tinea capitis or tinea barbae)
B35.0, B35.1, B35.3, B35.4, B35.8

Fungal

Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum
Malassezia furfur, restricta, sympodialis, globosa

Microsporum audouinii, canis; Nannizzia gypsea
Trichophyton mentagrophytes/interdigitale, rubrum, tonsurans, violaceum

+ ADD-ON: Candida auris (TNWUN506)

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Onychomycosis **FNGNL**

SPECIMEN TYPES: Nail (toe), Nail (finger)

COMMON SIGNS & SYMPTOMS: Skin disorder presenting with nail discoloration (yellow, white, or brown), dystrophy (deformed), thickening, onycholysis (separation from nail bed) B35.1, B35.3, B35.4, B35.8

Bacterial

Pseudomonas aeruginosa

Fungal

Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Cutaneotrichosporon mucoides, Trichosporon asahii
Epidermophyton floccosum
Fusarium oxysporum, Neocosmospora solani

Malassezia furfur, restricta, sympodialis, globosa
Microsporum audouinii, canis; Nannizzia gypsea
Trichophyton mentagrophytes/interdigitale, rubrum, tonsurans, violaceum

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)

ermB, C; mefA
IMP, NDM, VIM Groups
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M



Otolaryngology **AURAL**

SPECIMEN TYPES: Nasopharyngeal/Nares, Oropharynx/Throat/Oral, Ear, Sino-Nasal

COMMON SIGNS & SYMPTOMS: Chronic or complicated ear, nose, or throat infection J32.0, J32.8, J32.9, K12.2, B37.0, R05.3

Bacterial

Cutibacterium (Propionibacterium) acnes
Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Fusobacterium nucleatum, necrophorum
Haemophilus influenzae
Klebsiella pneumoniae, oxytoca
Moraxella catarrhalis
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Staphylococcus aureus
Streptococcus agalactiae (Group B Strep)

Streptococcus pneumoniae

Streptococcus pyogenes (Group A Strep)

Viral

Adenovirus
Cytomegalovirus (Human Herpesvirus 5, CMV)
Enterovirus (pan)
Epstein-Barr Virus (Human Herpesvirus 4, EBV)
Herpes simplex virus 1, 2
Varicella zoster virus (Human Herpesvirus 3, VZV)

Fungal

Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Fusarium oxysporum, Neocosmospora solani

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
mecA
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB



Ophthalmology **OPTIC**

SPECIMEN TYPES: Eye (external)

COMMON SIGNS & SYMPTOMS: Eye pain, eye redness, blurred vision, sensitivity to light, excessive tearing, and/or eye discharge B00.50, B00.52, H10.31, H10.32, H10.33, H16.001, H16.002, H16.011, H16.012, H16.041, H16.042

Bacterial

Acinetobacter baumannii
Chlamydia trachomatis
Citrobacter freundii
Cutibacterium (Propionibacterium) acnes
Enterobacter cloacae complex, Klebsiella (Enterobacter) aerogenes
Enterococcus faecalis, faecium
Escherichia coli
Fusarium oxysporum, Neocosmospora solani
Haemophilus influenzae
Klebsiella pneumoniae, oxytoca
Moraxella catarrhalis
Neisseria gonorrhoeae
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa

Staphylococcus aureus

Streptococcus agalactiae (Group B Strep)

Streptococcus pneumoniae

Streptococcus pyogenes (Group A Strep)

Viral

Adenovirus
Cytomegalovirus (Human Herpesvirus 5, CMV)
Enterovirus (pan)
Epstein-Barr virus (Human Herpesvirus 4, EBV)
Herpes simplex virus 1, 2
Varicella zoster virus (Human Herpesvirus 3, VZV)

Protozoal

Acanthamoeba castellanii, polyphaga; Vermamoeba (Hartmannella) vermiformis
Microsporidia (Encephalitozoon hellum, cuniculi, Nosema (Vittaforma) ocularum)

Fungal

Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Fusarium oxysporum, Neocosmospora solani

Resistance

ACT, MIR, FOX, ACC Groups
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
dfr (A1, A5), sul (1, 2)
ermB, C; mefA
IMP, NDM, VIM Groups
mecA
OXA-48, OXA-51
qnrA1, A2, B2
SHV, KPC Groups
tet B, tet M
VanA, VanB