Appendix S1. Disability Weights for Calculating Disability-Adjusted Life Years (DALYs)

Table S1: Disability Weights Used to Calculate Disability-Adjusted Life Years (DALYs) for General Surgery Procedures

Procedure	Sequela	Health State	DW (95% CI)
Abscess drainage	Open wound (short term, with or	Open wound (short term,	0.006
C	without treatment)	with or without treatment)	$(0.002 - 0.012)^1$
Anal Polypectomy	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases	-	$(0.005 - 0.021)^{2-3}$
Appendectomy (open or	Appendicitis	Abdominopelvic problem,	0.324
laparoscopic)		severe	$(0.22 - 0.442)^2$
Breast biopsy	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases	_	$(0.005-0.021)^{2-3}$
Cholecystectomy (open or	Moderate symptomatic episodes	Abdominopelvic problem,	0.114
laparoscopic)	gallbladder and biliary diseases	moderate	$(0.078-0.159)^2$
Circumcision	N/A	Abdominopelvic problem,	0.123
		moderate	$(0.083-0.176)^{1}$
Cryptorchidism	Undescended testes	N/A	0.317
			$(0.020-0.420)^4$
Cyst excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Fibrolipoma excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Foreign body extraction	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Gynecomastia excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Hemorrhoidectomy	N/A	N/A	0.012
			N/A ⁵
Hernioplasty (inguinal,	Moderate symptomatic inguinal,	Abdominopelvic problem,	0.114
umbilical, and epigastric)	femoral and abdominal hernia	moderate	$(0.078-0.159)^2$
Herniorrhaphy (inguinal,	Moderate symptomatic inguinal,	Abdominopelvic problem,	0.114
umbilical, and epigastric)	femoral and abdominal hernia	moderate	$(0.078-0.159)^2$
Hydrocelectomy	Hydrocele due to lymphatic filariasis	Epididymo-orchitis	0.128 (0.086-0.18) ²
Incisional biopsy	Symptomatic other skin and	Disfigurement, level 1	0.011
F-J	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Lipoma excision	Symptomatic other skin and	Disfigurement, level 1	0.011
1	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Mandibular chondroma	Symptomatic other skin and	Disfigurement, level 1	0.011
excision	subcutaneous diseases	8	$(0.005 - 0.021)^{2-3}$
Mass excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Mastectomy	Mastectomy due to breast cancer	Mastectomy	0.036
·	-	-	$(0.02 - 0.057)^6$
Sphincterotomy	Anal fissure	N/A	0.005
- *			N/A ¹
Surgical wash	Open wound (short term, with or	Open wound (short term,	0.0061
	without treatment)	with or without treatment)	
Tyrosytic cyst excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Varicocele Extraction	Hydrocele due to lymphatic	Epididymo-orchitis	0.128
	filariasis		$(0.086-0.18)^2$

Wart excision	Open wound (short term, with or	Open wound (short term,	0.006
	without treatment)	with or without treatment)	$(0.002-0.012)^{1}$
Intradural Extramedullary	Other benign and in situ	N/A	N/A^2
Spinal Tumors	neoplasms		
Lymph Node excision	Other benign and in situ	N/A	N/A ²
	neoplasms		
Neoplasia	Other benign and in situ	N/A	N/A^2
	neoplasms		
Nodule excision	Other benign and in situ	N/A	N/A^2
	neoplasms		
Thyroidectomy	Other benign and in situ	N/A	N/A^2
	neoplasms		

Table S2: Disability Weights Used to Calculate Disability-Adjusted Life Years (DALYs) for Pediatric Surgery Procedures

Procedure	Sequela	Health State	DW (95% CI)
Aneurysm excision	Mild other cardiovascular	Heart failure, mild	0.041
-	diseases		$(0.026-0.062)^2$
Cholecystectomy (open or	Moderate symptomatic episodes	Abdominopelvic	0.114
laparoscopic)	gallbladder and biliary diseases	problem, moderate	$(0.078 - 0.159)^2$
Circumcision	N/A	Abdominopelvic	0.123
		problem, moderate	$(0.083-0.176)^{1}$
Cyst excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Epididymal cyst drainage	Hydrocele due to lymphatic	Epididymo-orchitis	0.128
	filariasis		$(0.086-0.18)^2$
Fistulectomy	Anal fissure/abscess/fistula	N/A	0.082
			$(0.066-0.1)^7$
Herniorrhaphy	Moderate symptomatic inguinal,	Abdominopelvic	0.114
	femoral and abdominal hernia	problem, moderate	$(0.078 - 0.159)^2$
Hydrocelectomy	Hydrocele due to lymphatic	Epididymo-orchitis	0.128
	filariasis		$(0.086-0.18)^2$
Lipoma excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Mass excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005-0.021)^{2-3}$
Myxoma excision	Mild other cardiovascular	Heart failure, mild	0.041
	diseases		$(0.026-0.062)^2$
Orchidectomy	Undescended testes	N/A	0.317
			$(0.020-0.420)^4$
Thyroglossal cyst excision	Symptomatic other skin and	Disfigurement, level 1	0.011
	subcutaneous diseases		$(0.005 - 0.021)^{2-3}$
Wart excision	Open wound (short term, with or	Open wound (short term,	0.006
	without treatment)	with or without	$(0.002 - 0.012)^{1}$
		treatment)	

Table S3: Disability Weights Used to Calculate Disability-Adjusted Life Years (DALYs) for Gynecology Surgery Procedures

Procedure	Sequela	Health State	DW (95% CI)
Hysterectomy (abdominal	N/A	N/A	0.225
and vaginal)			N/A ¹
Adhesion release	Mild other gynecological	Abdominopelvic	0.011

	disorders	problem, mild	$(0.005-0.021)^2$
Bartholin Cyst	Mild other gynecological	Abdominopelvic	0.011
Marsupialization	disorders	problem, mild	$(0.005 - 0.021)^2$
Bilateral fimbriectomy	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005 - 0.021)^2$
Bilateral tubal occlusion		N/A	0.238
(OTB)	N/A		N/A ⁵
Burch	Stress incontinence due to genital	Stress incontinence	0.02
	prolapse		$(0.011 - 0.035)^2$
Caesarean		Abdominopelvic	0.324
	Obstructed labor, acute event	problem, severe	$(0.220-0.442)^{2-3}$
Cervical conization	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005-0.021)^2$
Colpoplasty/Colpocleisis	Stress incontinence due to genital	Stress incontinence	0.02
	prolapse		$(0.011-0.035)^2$
Colporrhaphy (anterior	Stress incontinence due to genital	Stress incontinence	0.02
and posterior)	prolapse		$(0.011 - 0.035)^2$
Cystoscopy	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005-0.021)^2$
Exploratory ovarian	Mild other gynecological	Abdominopelvic	0.011
laparotomy	disorders	problem, mild	$(0.005-0.021)^2$
Fistula repair	Obstetric fistula	N/A	0.346
-			$(0.232 - 0.479)^7$
IUD insertion	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005 - 0.021)^2$
Jj catheter removal	Mild other gynecological	Abdominopelvic	0.011
-	disorders	problem, mild	$(0.005 - 0.021)^2$
Oferectomy	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005 - 0.021)^2$
Overy cauterization	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005 - 0.021)^2$
Perineoplasty	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005-0.021)^2$
Perineorraphy	Mild other gynecological	Abdominopelvic	0.011
	disorders	problem, mild	$(0.005 - 0.021)^2$
Salpingooferectomy/Tubal	Ectopic Pregnancy	Abdominopelvic	0.114
removal		problem, moderate	$(0.078 - 0.159)^{2,8}$
Suspension of	Stress incontinence due to genital	Stress incontinence	0.02
uterus/cupula	prolapse		$(0.011-0.035)^2$
Tension-free vaginal tape	Stress incontinence due to genital	Stress incontinence	0.02
(TVT)	prolapse		$(0.011-0.035)^2$
Transobturator tape (TOT)	Stress incontinence due to genital	Stress incontinence	0.02
÷ · · /	prolapse		(0.011-0.035) ²
Ovary teratoma extraction	Benign and in situ cervical and	N/A	N/A ²
-	uterine neoplasms		

Table S4: Disability Weights Used to Calculate Disability-Adjusted Life Years (DALYs) for Orthopedic Surgery Procedures

Procedure	Sequela	Health State	DW (95% CI)
Achilles tendon	Other injuries of muscle and	Other injuries of muscle	0.008
repair/elongation	tendon (includes sprains, strains	and tendon (includes	$(0.003-0.015)^{6}$
	and dislocations other than	sprains, strains and	
	shoulder, knee, hip)	dislocations other than	
		shoulder, knee, hip)	

Adductor tenotomy	Other injuries of muscle and	Other injuries of muscle	0.008
	tendon (includes sprains, strains	and tendon (includes	(0.003-0.015) ⁶
	and dislocations other than	sprains, strains and	
	shoulder, knee, hip)	dislocations other than	
		shoulder, knee, hip)	
Anterior cruciate ligament	Moderate osteoarthritis of the	Musculoskeletal	0.079
reconstruction	knee	problems, lower limbs,	$(0.054 - 0.11)^{2,9}$
		moderate	
Arthrodesis (ankle)	Other musculoskeletal disorders	Musculoskeletal	0.023
	severity level 1	problems, lower limbs,	$(0.013-0.037)^{6}$
		mild	0.000
Arthroscopy	Other injuries of muscle and	Other injuries of muscle	0.008
	tendon (includes sprains, strains	and tendon (includes	$(0.003-0.015)^{6}$
	and dislocations other than	sprains, strains and	
	shoulder, knee, hip)	dislocations other than	
		shoulder, knee, hip)	0.072
Bankart procedure	Dislocation of shoulder (long	Dislocation of shoulder	0.062
	term, with or without treatment)	(long term, with or	$(0.041-0.088)^{6}$
Deriverent		without treatment)	0.022
Bunionectomy	Other musculoskeletal disorders	Musculoskeletal	0.023
	severity level 1	problems, lower limbs,	$(0.013-0.037)^{6}$
		mild	0.020
Closed reduction (arm)	Fracture of radius or ulna (short	Fracture of radius or ulna	0.028
	term, with or without treatment)	(short term, with or	$(0.016-0.046)^{6}$
		without treatment)	0.020
Elbow tripceptoplasty	Fracture of radius or ulna (short	Fracture of radius or ulna	0.028
	term, with or without treatment)	(short term, with or	$(0.016-0.046)^{6}$
		without treatment)	0.05
Endomedullary cleavage	Fracture of patella, tibia or fibula	Fracture of patella, tibia	0.05
(Tibia)	or ankle (short term, with or	or fibula or ankle (short	$(0.032 - 0.075)^{6}$
	without treatment)	term, with or without	
		treatment)	0.020
Excision (clavicle)	Other musculoskeletal disorders	Musculoskeletal	0.028
	severity level 2	problems, upper limbs,	$(0.017-0.045)^2$
		mild	0.029
Extraction of osteonosis	Other musculoskeletal disorders	Musculoskeletal	0.028
material (radius)	severity level 2	problems, upper limbs,	$(0.017-0.045)^2$
		mild	0.022
Extraction of osteonosis	Other musculoskeletal disorders	Musculoskeletal	0.023
material (tibia)	severity level 1	problems, lower limbs,	$(0.013-0.037)^{6}$
Finger este enthuitig remain	Other museuleskalatel disorder	mild Musculoskeletal	0.028
Finger osteoarthritis repair	Other musculoskeletal disorders severity level 2		(0.028) $(0.017-0.045)^2$
	Severity level 2	problems, upper limbs, mild	$(0.017 - 0.043)^{-1}$
Finger plasty	Other musculoskeletal disorders	Musculoskeletal	0.028
ringer plasty			(0.028) $(0.017-0.045)^{2,10}$
	severity level 2	problems, upper limbs, mild	(0.017-0.045)
Flexor tenorrhaphy (hand)	Other musculoskeletal disorders	Musculoskeletal	0.028
nexor tenormaphy (nand)			(0.028) $(0.017-0.045)^{2,10}$
	severity level 2	problems, upper limbs, mild	$(0.017 - 0.043)^{-3.3}$
Hollur Volgue competier	Other musculoskeletal disorders	Musculoskeletal	0.023
Hallux Valgus correction			
	severity level 1	problems, lower limbs,	(0.013-0.037) ⁶
Hond/fin con orthand-si	Other museulest-letel disard	mild Museuleskaletel	0.028
Hand/finger arthrodesis	Other musculoskeletal disorders	Musculoskeletal	0.028
	severity level 2	problems, upper limbs,	$(0.017-0.045)^2$

		mild	
Hip hemi-plasty	Fracture of neck of femur (short	Fracture of neck of femur	0.258
	term, with or without treatment)	(short term, with or	$(0.172 - 0.356)^{6}$
		without treatment)	
Infrachondilar amputation	Amputation of one lower limb	Amputation of one lower	0.173
(lower limb)	(long term, without treatment)	limb (long term, without	(0.118-0.240) ⁶
		treatment)	
Mass excision (finger)	N/A	Disfigurement: level 1	0.029
		with itch or pain	$0.016 - 0.048^{10}$
Meniscectomy	Moderate osteoarthritis of the	Musculoskeletal	0.079
j	knee	problems, lower limbs,	$(0.054-0.11)^{2,9}$
		moderate	(,
Meniscus laxity	Moderate osteoarthritis of the	Musculoskeletal	0.079
	knee	problems, lower limbs,	$(0.054-0.11)^{6,9}$
	Kilee	moderate	(0.05 + 0.11)
Narya raarrangamant	Injured nerves (short term)	Injured nerves (short	0.1
Nerve rearrangement		term)	$(0.067-0.14)^{6}$
Nerve release	Injured nerves (short term)	Injured nerves (short	0.1
inci ve release	injured herves (short term)		
		term)	$(0.067-0.14)^{6}$
Open reduction and	Fracture, other than femoral neck	Fracture, other than	0.111
internal fixation (Femur)	(short term, with or without	femoral neck (short term,	$(0.074-0.156)^{6}$
	treatment)	with or without	
		treatment)	
Open reduction and	Fracture of hand (short term, with	Fracture of hand (short	0.01
internal fixation (Hand)	or without treatment)	term, with or without	$(0.005 - 0.019)^{6}$
		treatment)	
Open reduction and	Fracture of neck of femur (short	Fracture of neck of femur	0.258
internal fixation (Hip)	term, with or without treatment)	(short term, with or	(0.172-0.356) ⁶
_		without treatment)	
Open reduction and	Fracture of clavicle, scapula or	Fracture of clavicle,	0.035
internal fixation	humerus (short or long term, with	scapula or humerus (short	$(0.021 - 0.053)^{6}$
(Humerous)	or without treatment)	or long term, with or	``´´´
	,	without treatment)	
Open reduction and	Fracture of patella, tibia or fibula	Fracture of patella, tibia	0.05
internal fixation (Knee)	or ankle (short term, with or	or fibula or ankle (short	$(0.032 - 0.075)^{6}$
	without treatment)	term, with or without	(
		treatment)	
Open reduction and	Fracture of patella, tibia or fibula	Fracture of patella, tibia	0.05
internal fixation (Patela)	or ankle (short term, with or	or fibula or ankle (short	$(0.032-0.075)^{6}$
internar fixation (1 atera)	without treatment)	term, with or without	(0.052 0.075)
	"infort reatment)	treatment)	
Open reduction and	Fracture of radius or ulna (short	Fracture of radius or ulna	0.028
internal fixation (Radius)	term, with or without treatment)	(short term, with or	(0.028)
mathai mauon (Kaulus)	(crim, with or without iteatilient)		(0.010-0.040)
Open reduction and	Fracture of clauticle scorpule ar	without treatment)	0.035
Open reduction and	Fracture of clavicle, scapula or	Fracture of clavicle,	
internal fixation (Scapula)	humerus (short or long term, with	scapula or humerus (short	$(0.021-0.053)^{6}$
	or without treatment)	or long term, with or	
<u> </u>		without treatment)	
Open reduction and	Fracture of patella, tibia or fibula	Fracture of patella, tibia	0.05
internal fixation (Tibia)	or ankle (short term, with or	or fibula or ankle (short	$(0.032 - 0.075)^{6}$
	without treatment)	term, with or without	
		treatment)	
Patella dislocation repair	Dislocation of knee (long term,	Dislocation of knee (long	0.113
-	with or without treatment)	term, with or without	(0.075-0.160) ⁶
	,	treatment)	<i>,</i>

Patella reconstruction	Fracture of patella, tibia or fibula	Fracture of patella, tibia	0.05
	or ankle (short term, with or	or fibula or ankle (short	$(0.032 - 0.075)^{6}$
	without treatment)	term, with or without	``´´
		treatment)	
Polydactyly Excision	Disfigurement level 1 due to	Disfigurement, level 1	0.011
	polydactyly and syndactyly		$(0.005-0.021)^2$
Pseudarthrosis correction	Fracture of vertebral column	Fracture of vertebral	0.111
	(short or long term, with or	column (short or long	(0.075-0.156) ⁶
	without treatment)	term, with or without	
		treatment)	
Radius head recession	Fracture of radius or ulna (short	Fracture of radius or ulna	0.028
	term, with or without treatment)	(short term, with or	$(0.016-0.046)^{6}$
		without treatment)	
Release of tendonitis	Injured nerves (short term)	Injured nerves (short	0.1
(carpal)		term)	$(0.067-0.14)^{6,9}$
Repair of radial and	Other injuries of muscle and	Other injuries of muscle	0.008
humeral ligament	tendon (includes sprains, strains	and tendon (includes	$(0.003-0.015)^{6}$
	and dislocations other than	sprains, strains and	
	shoulder, knee, hip)	dislocations other than	
Rotator cuff reconstruction	Dialagation of the sulder (lang	shoulder, knee, hip) Dislocation of shoulder	0.0(2
Rotator cull reconstruction	Dislocation of shoulder (long term, with or without treatment)		(0.062) $(0.041-0.088)^{6}$
	term, with or without treatment)	(long term, with or without treatment)	(0.041-0.000)
Sub-scapular translocation	Dislocation of shoulder (long	Dislocation of shoulder	0.062
Sub-scapular transfocation	term, with or without treatment)	(long term, with or	(0.002)
	term, with or without treatment)	without treatment)	(0.041-0.088)
Supracondylar amputation	Amputation of one lower limb	Amputation of one lower	0.173
of left limb	(long term, without treatment)	limb (long term, without	$(0.118-0.240)^{6}$
	(iong term, without treatment)	treatment)	(0.110 0.210)
Surgical/arthroscopic	Other injuries of muscle and	Other injuries of muscle	0.008
wound debridement	tendon (includes sprains, strains	and tendon (includes	$(0.003-0.015)^{6}$
	and dislocations other than	sprains, strains and	``´´
	shoulder, knee, hip)	dislocations other than	
	-	shoulder, knee, hip)	
Tendon contracture plasty	Other injuries of muscle and	Other injuries of muscle	0.008
Tendon contracture plasty	tondon (includes arrains strains	and tendon (includes	$(0.003-0.015)^{6}$
	tendon (includes sprains, strains		$(0.005 \ 0.015)$
	and dislocations other than	sprains, strains and	(0.005 0.015)
		sprains, strains and dislocations other than	(0.003 0.013)
	and dislocations other than shoulder, knee, hip)	sprains, strains and dislocations other than shoulder, knee, hip)	
Tendon contracture plasty	and dislocations other than shoulder, knee, hip) Other injuries of muscle and	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle	0.008
Tendon contracture plasty	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes	
Tendon contracture plasty	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and	0.008
Tendon contracture plasty	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than	0.008
	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip)	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip)	0.008 (0.003-0.015) ⁶
Tendon contracture plasty Tibia scar tissue release	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Other musculoskeletal disorders	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal	0.008 (0.003-0.015) ⁶ 0.023
	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip)	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal problems, lower limbs,	0.008 (0.003-0.015) ⁶
Tibia scar tissue release	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Other musculoskeletal disorders severity level 1	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal problems, lower limbs, mild	$\begin{array}{c} 0.008 \\ (0.003 \text{-} 0.015)^{6} \\ \hline 0.023 \\ (0.013 \text{-} 0.037)^{2,10} \end{array}$
Tibia scar tissue release Unstable glenohumeral	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Other musculoskeletal disorders severity level 1 Dislocation of shoulder (long	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal problems, lower limbs, mild Dislocation of shoulder	0.008 (0.003-0.015) ⁶ 0.023 (0.013-0.037) ^{2,10} 0.062
Tibia scar tissue release	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Other musculoskeletal disorders severity level 1	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal problems, lower limbs, mild Dislocation of shoulder (long term, with or	$\begin{array}{c} 0.008 \\ (0.003 \text{-} 0.015)^{6} \\ \hline 0.023 \\ (0.013 \text{-} 0.037)^{2,10} \end{array}$
Tibia scar tissue release Unstable glenohumeral	and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Other musculoskeletal disorders severity level 1 Dislocation of shoulder (long	sprains, strains and dislocations other than shoulder, knee, hip) Other injuries of muscle and tendon (includes sprains, strains and dislocations other than shoulder, knee, hip) Musculoskeletal problems, lower limbs, mild Dislocation of shoulder	0.008 (0.003-0.015) ⁶ 0.023 (0.013-0.037) ^{2,10} 0.062

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Appendix S2. Example of Calculations for DALYs

For this example, the patient received care during a general surgery mission trip. The patient was a 44-year-old female who received a laparoscopic cholecystectomy. Below is the equation.

The associated health condition for a laparoscopic cholecystectomy is moderate symptomatic episodes of gallbladder and biliary diseases, a moderate abdominopelvic problem in which the patient likely has pain in the belly, feels nauseous, and has difficulties with daily activities. The associated disability weight (DW) is 0.114. This information and DW were obtained from the 2017 Global Burden of Disease Study.

The age-specific life expectancy for a 44-year-old female in Nicaragua is 41.4. This value was obtained from the WHO Life Tables for Nicaragua.¹

DALYs Averted =
$$\frac{I \cdot DW \cdot (1 - e^{-rL})}{r}$$

I = incidence DW = disability weight r = discount rate L = age-specific life expectancy

For this case:

I = 1DW = 0.114r = 0.03L = 41.4

DALYs Averted =
$$\frac{1 \cdot 0.114 \cdot (1 - e^{(-0.03)(41.4)})}{0.03} = 2.7025$$

As seen in the equation above, this surgical procedure averted 2.7025 DALYs for this patient.

Reference

1. World Health Organization. Life Tables by Country Nicaragua. Available from: https://apps.who.int/gho/data/view.main.61180?lang=en. [Accessed July 31, 2020].