

THE NATIONAL TISSUE RECOVERY THROUGH UTILIZATION SURVEY

SECTION 5 - Tissue Distribution

The Office of the Assistant Secretary for Health, Department of Health and Human Services (HHS), through a contract with the American Association of Tissue Banks, is conducting the 2016 National Tissue Recovery through Utilization Survey (NTRUS).

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Your responses will remain anonymous in the final dataset. While results of this survey will be released in aggregate form and data may be made available in the form of a de-identified dataset, no specific institutional identifiable information will be included.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0990-xxxx. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: U.S. Department of Health & Human Services, OS/OCIO/PRA, 200 Independence Ave., S.W., Suite 336-E, Washington D.C. 20201, Attention: PRA Reports Clearance Officer

Tissue Distribution

The survey provides definitions for specific tissue types. To facilitate accurate totals, provide counts using the descriptions provided. Use the definitions found at AATB Standard A2.0000 DEFINITIONS OF TERMS. Some terms and/or definitions are new and some have been revised.

To avoid double reporting, please include numbers only for your main facility and your satellite facilities (if applicable). The information you are reporting is for the following physical locations(s) by name, city and state:

- A. name, city, state
- B. name, city, state

musculoskeletal

(need capability for multiple lines/entries)

Which of the following types of tissues did your tissue bank distribute for transplantation:

TISSUE FROM DECEASED DONORS

HCT/Ps regulated solely under Section 361 of the PHSA

□bone
\Box cartilage (e.g., costal, articular)
\square meniscus
\Box osteochondral grafts (i.e., an $\it allograft$ consisting of a section, condyle, or plug of bone with an intact articular surface)
\Box osteoarticular grafts (i.e., a large weight bearing allograft with intact articular surfaces consisting of a joint with associated soft tissue and bone)
\Box bone + cellular tissue
soft tissue
□ fascia lata
\Box ligaments (i.e. patellar)
\Box tendons (e.g., Achilles, gracillis, anterior/posterior tibialis, semitendinosus, flexors/extensors, peroneus longus)
□ rotator cuff
□ pericardium

	□nerves
	\Box peritoneal membrane
	\Box dura mater
	<u>cardiac tissue</u>
	\Box valved conduits
	\square non-valved conduits
	\Box patch grafts
	\square aortoiliac grafts
	<u>vascular tissue</u> (HCT/Ps regulated solely under Section 361 of the PHSA)
	□ arteries
	\Box vein grafts
	<u>skin</u> (HCT/Ps regulated solely under Section 361 of the PHSA)
	□ fresh
	\Box cryopreserved
	□ acellular/decellularized
	\Box lyophilized
	□ <u>other <i>tissue</i></u> from deceased donors (specify)
tiss	sue as a device
(i.e	., products and combination products requiring PMA or 510k clearance; regulated under the
FD	&C Act as well as under 21 CFR Part 1271 from Section 361 of the PHSA)
tiss	sue as a biological product
	., products requiring BLA or IND; regulated under Section 351 of the PHSA and/or the FD&C Act, well as under 21 CFR Part 1271 from Section 361 of the PHSA)
	sue as a drug
	., products requiring IND/NDA; regulated under Section 201 of the FD&C Act, as well as under 21
	R 1271 from Section 361 of the PHSA)

TISSUE FROM LIVING DONORS
HCT/Ps regulated solely under Section 361 of the PHSA
□ amniotic membrane
□ chorionic membrane
□ amniotic fluid
□ Wharton's jelly
□ placental/chorionic disc
□ umbilical cord tissue
□ umbilical vein
\square $surgical\ bone$
\square $skin$ for $allogeneic$ use
□ autologous bone
□ autologous parathyroid
\Box other tissue from living donors (specify)
tissue as a device (i.e., products and combination products requiring PMA or 510k clearance; regulated under the FD&C Act as well as under 21 CFR Part 1271 from Section 361 of the PHSA)
tissue as a biological product
(i.e., products requiring BLA or IND; regulated under Section 351 of the PHSA and/or the FD&C Act, as well as under 21 CFR Part 1271 from Section 361 of the PHSA)
tissue as a drug
(i.e., products requiring IND/NDA; regulated under Section 201 of the FD&C Act, as well as under 21 CFR 1271 from Section 361 of the PHSA)

-	hospitals/medical facilities
	tissue distribution intermediaries – United States (an intermediary agent in the United States)
	tissue distribution intermediaries – International (an intermediary agent outside of the United States)
]	physicians/dentists
;	another tissue bank
(other (specify)
[□ Check here if the information above is actual, tracked information (not an estimat
ou	r tissue bank provide tissue for any of the following:
[□ medical education/training
1	Would this tissue have been suitable for transplant?
	□aways
	\square sometimes
	□never
[□ research
,	Would this tissue have been suitable for transplant?
	□ always
	\square sometimes
	□ never
	□ nevei
	□ nevei
	□ nevei

How many of the following musculoskeletal grafts were distributed by your $tissue\ bank$? (Enter 0 if applicable)

TISSUE FROM DECEASED DONORS # of Grafts

demineralized cortical bone
demineralized cancellous bone
cancellous bone (cubes or morselized)
corticocancellous bone
proprietary spinal grafts
non-proprietary spinal grafts (traditional) (e.g., ICWs, Clowards, fibula rings)
osteochondral grafts – fresh/refrigerated (i.e., an <i>allograft</i> consisting of a section, condyle, or plug of bone with an intact articular surface)
osteochondral grafts – frozen/ <i>cryopreserved</i> (i.e., an <i>allograft</i> consisting of a section, condyle, or plug of bone with an intact articular surface)
osteoarticular grafts – fresh/refrigerated (i.e., a large weight bearing allograft with intact articular surfaces, consisting of a joint with associated soft tissue and bone)
osteoarticular grafts – frozen/ <i>cryopreserved</i> (i.e., a large weight bearing allograft with intact articular surfaces consisting of a joint with associated soft tissue and bone)
meniscus – frozen
meniscus – lyophilized
cartilage (e.g., costal, articular)
large segment (articular surface not preserved) (i.e., shaft, proximal large bone, distal large bone)
other musculoskeletal grafts from deceased donors; (specify); indicate number for each
TOTAL musculoskeletal grafts (from deceased donors) Check here if the information above is actual, tracked information (not an estimate)
SOFT TISSUE DISTRIBUTION

How many of the following grafts from deceased donors were distributed by your tissue bank? (Enter 0 if applicable)	
fascia lata	
ligaments (i.e. patellar)	
tendons (i.e., Achilles tendons, gracilis, anterior/posterior tibialis, semitendinosus, flexors/extensors, peroneus longus) _	
rotator cuff	
pericardium	
nerves	
peritoneal membrane	
dura mater	
other soft tissue grafts from deceased donors (specify); indicate number for each	
TOTAL soft tissue grafts (from deceased donors)	
CARDIAC TISSUE AND VASCULAR TISSUE DISTRIBUTION How many of the following tissues were distributed by your tissue bank? (Enter 0 if	
applicable)	
<u>cardiac tissue</u> # of grafts	
valved conduit - aortic valves	
cryopreserved (only)	
acellular / decellularized	
other (specify)	
valved conduit - pulmonic valves	
cryopreserved (only)	
acellular / decellularized	
other (specify)	

patch graft
cryopreserved (only)
acellular / decellularized
other (specify)
non-valved conduit - aortic
cryopreserved (only)
acellular / decellularized
other (specify)
non-valved conduit - pulmonic
cryopreserved (only)
acellular / decellularized
other (specify)
aortoiliac graft
cryopreserved (only)
acellular / decellularized
other (specify)
other cardiac tissue (specify); indicate number for each
TOTAL cardiac tissue distributed
☐ Check here if the information above is actual, tracked information (not an estimate)

<u>Vascular tissue</u> # of grafts
arteries
cryopreserved (only)
acellular / decellularized
other (specify)
vein grafts - saphenous
cryopreserved (only)
acellular / decellularized
other (specify)
vein grafts - iliac
cryopreserved (only)
acellular / decellularized
other (specify)
other vascular tissue (specify); indicate number for each
TOTAL vascular tissue distributed
□ Check here if the information above is actual, tracked information (not an estimate)
SKIN GRAFT DISTRIBUTION
How much skin did your tissue bank distribute (enter 0 if not applicable)
square feet
number of units/packages

		C	CII •: /D 1
		# of	# of Units/Package
		square feet	
fresh			
frozen/cryopreserved			
acellular/decellularized			
lyophilized			
TOTAL			
ack hara if the information of			
v much skin did your tissue ba ort both in # of square feet as	nk distribute well as #s of	units/packages for eac	r 0 if not applicable.
v much <i>skin</i> did your ti <i>ssue ba</i> ort both in # of square feet as	nk distribute	to the following? (ente	r 0 if not applicable.
v much skin did your tissue ba	nk distribute well as #s of # of square	to the following? (enter units/packages for each # of	r 0 if not applicable.
v much <i>skin</i> did your ti <i>ssue ba</i> ort both in # of square feet as	nk distribute well as #s of # of square	to the following? (enter units/packages for each # of	r 0 if not applicable.
v much skin did your tissue ba ort both in # of square feet as hospitals/burn centers	nk distribute well as #s of # of square	to the following? (enter units/packages for each # of	r 0 if not applicable.
w much skin did your tissue ba ort both in # of square feet as hospitals/burn centers physicians tissue distribution	nk distribute well as #s of # of square	to the following? (enter units/packages for each # of	r 0 if not applicable.

Indicate for what types of skin you were unable to fill the requests				
☐ fresh - if checked: Indicate why you were unable to fill these requests:				
□ frozen/ <i>cryopreserved</i> - if checked: Indicate why you were unable to fill these requests:				
acellular/decellularized - if checked: Indicate why you were unable to fill these requests:				
\square lyophilized - if checked: Indicate why you were unable to fill these requests:				
\Box Check here if the information above is actual, tracked information (not an estimate)				
TISSUE as a DEVICE - DISTRIBUTION (i.e., products and combination products requiring PMA or 510k clearance; regulated under the FD&C Act as well as under 21 CFR Part 1271 from Section 361 of the PHSA.)				
List the tissue devices distributed by your tissue bank and the quantities distributed				
Tissue Device Name Quantity (units)				
				
TOTAL				
TISSUE as a BIOLOGICAL PRODUCT - DISTRIBUTION (i.e., products requiring BLA or IND;				
regulated under Section 351 of the PHSA and/or the FD&C Act, as well as under 21 CFR Part 1271 from Section 361 of the PHSA)				
List the biological products distributed by your tissue bank and the quantities distributed				
Biological Product Name Quantity (units)				
TOTAL				

	TION (i.e., products requiring IND/NDA; regulated under Section under 21 CFR 1271 from Section 361 of the PHSA)
List the drug distributed by yo	our tissue bank and the quantities distributed
Drug Name	Quantity (units)
TOTAL	
DURA MATER DISTRIBUTION	
How many dura mater grafts on not applicable)	were distributed by your tissue bank to the following: (enter 0 if
hospital/medical faciliti	es
physicians	
tissue distribution interm	nediaries
other (specify)	; indicate number for each
TOTAL dura mater grafts	
DISTRIBUTION OF TISSUE FRO	OM LIVING DONORS
How many of the following <i>tis</i> (enter 0 if not applicable)	sues from living donors were distributed by your tissue bank?
amniotic membrane	_
chorionic membrane	_
amniotic fluid	
Wharton's jelly	
placental/chorionic disc	<u>. </u>
umbilical cord tissue	_
umbilical veins	
surgical bone	

skin for allogeneic use
autologous bone
autologous parathyroid
other tissue from living donors (specify); indicate number for each
TOTAL grafts from living donors
$\hfill\Box$ Check here if the information above is actual, tracked information (not an estimate)
SUPPLY AVAILABILITY
\Box Check here if you DID NOT have an adequate supply of tissue grafts to meet all the requests that you received in [calendar year]
Indicated the annual number of grafts of each <i>tissue</i> type that would have been necessary in addition to your available supply to meet the clinical demand:
Achilles tendons
valved conduits
aortic valves
- enter size (annulus diameter in mm):
pulmonic valves
- enter size (annulus diameter in mm):
cancellous (bone, chips, crushed, cubed, wedges)
cartilage(e.g., costal articular)
femoral head
frozen whole rib
iliac crest wedges (posterior ramps, cervical spacers, tricortical blocks)
matchsticks
meniscus
patella (ligaments, wedges)
semitendinosus (tendons)
tibialis tendons (anterior and posterior)
other (specify)

☐ Check here if the information above is actual, tracked information (not an estimate)
IMPLANT REPORTS
Indicate the percentages (as a range) of allografts distributed by your tissue bank that had an implant report submitted by the hospitals/surgeons/dentists regarding the allograft's use. Indicate if this is an actual, known range or it is an estimate (not tracked)
□ 0% - 25%
□ 26% – 50%
□ 51% – 75 %
□ 76% - 100%
□ Check here if the information above is actual, tracked information (not an estimate)
□ Check here if your <i>tissue bank</i> distributed outside of the U.S. any tissue, tissue as a device, tissue as a biological product, or tissue as a drug that was from donations made in the U.S.
(a) List countries to which tissues were distributed
TISSUE FROM DECEASED DONORS
HCT/Ps regulated solely under Section 361 of the PHSA
musculoskeletal (i.e., bone, cartilage, meniscus, osteoarticular grafts, osteochondral grafts, bone+ <i>cellular tissue</i>)
soft tissue (i.e., fascia lata, ligaments, tendons, pericardium, rotator cuff, nerves)
cardiac tissue
vascular tissue
skin-derived grafts
dura mater
tissue as a device
- specify:
tissue as a biological product
- specify:
tissue as a drug

- specify:	
TISSUE FROM LIVING DONORS	
HCT/Ps regulated solely under Section 361 of the PHSA	
amniotic membrane	
chorionic membrane	
amniotic fluid	
Wharton's jelly	
placental/chorionic disc	
umbilical cord tissue	
umbilical vein	
surgical bone	
skin for allogeneic use	
autologous bone	
autologous parathyroid	
other tissue from living donors (specify); countries:	-
tissue as a device	
- specify:	
tissue as a biological product	
- specify:	
tissue as a drug	
- specify:	
speeny.	
(b) Considering all <i>distribution</i> of <i>tissue</i> , estimate the percentage of overall <i>distribution</i> that occ to destinations outside of the United States:	urs
\Box Check here if the information above is actual, tracked information (not an estimate)	