

MEMORANDUM

FROM: Melissa D. Cupp
TO: CT Workgroup
DATE: October 30, 2019
RE: Protecting Geographic Access to CT Services

As a part of the discussion of Charge 3 regarding maintenance volumes for CT services, concerns have been raised regarding facilities that are located in lower population areas not being able to meet minimum volumes and the possibilities of them closing, which could create geographic access issues. At the October 3, 2019 CT Workgroup meeting I volunteered to look into the distance between existing fixed CT scanners located in non-urban areas as the start of a discussion regarding provisions in the standards that could be added to protect geographic access to CT services. After looking into a few different options for obtaining data regarding the distance to the next closest CT service for all services in the State and coming up empty handed, the Department was generous enough to utilize some of their internal resources to provide that information for all fixed CT services located north of Clare. Although we recognize this is by no means the entire State, nor even all non-urban areas, given the challenges associated with gathering this information it seemed like a reasonable place to start.

Enclosed you will find a spreadsheet which lists each of the fixed CT scanner services located north of Clare along with a driving distance to the next closest fixed CT scanner and the second closest fixed CT scanner. You'll also see the aerial miles to each of these. What you'll see is that the current distance between existing fixed CT scanners north of Clare ranges from 10.6 driving miles (9.52 aerial miles) to 71.6 driving miles (59.98 aerial miles). The average is 32.55 driving miles (27.1 aerial miles). Of the 33 fixed CT services north of Clare, 23 of them are more than 20 aerial miles from the next closest service.

Distance to the next closest service is one option for a measure of geographic access. Another consideration could be looking at services that are the only one in their County. Historically CON has used county designations as a proxy, utilizing the US Department of Transportation designations as rural, micropolitan, and metropolitan. However, over the years those designations have identified some counties that would otherwise have all the characteristics of a rural area as metropolitan, therefore increasing interest in looking at an alternative.

Although the concept of creating an exemption to minimum/maintenance volume requirements for facilities that are critical in maintaining geographic access, there are additional options that could be considered. Therefore, it may make sense for the workgroup to consider a broader discussion of more options which could include:

1. Exempt from minimum/maintenance volume
2. Add a CT equivalent adjustment
3. Provide a lower minimum/maintenance volume

I would encourage others to bring forward additional ideas during the discussion at our next meeting.

Facility	Facility Address	Facility City	Closest Fixed CT Facility	Closest Address	Closest City	Closest in Driving Miles	Distance (Aerial Miles)
PORTAGE HOSPITAL, LLC	500 CAMPUS DRIVE	HANCOCK	ASPIRUS KEWEENAW HOSPITAL	205 OSCEOLA STREET	LAURIUM	10.6	9.52
ASPIRUS KEWEENAW HOSPITAL	205 OSCEOLA STREET	LAURIUM	PORTAGE HOSPITAL, LLC	500 CAMPUS DRIVE	HANCOCK	10.6	9.52
SPECTRUM HEALTH REED CITY HOSPITAL	300 N. PATTERSON RD.; PO BOX 75	REED CITY	SPECTRUM HEALTH BIG RAPIDS	605 OAK STREET	BIG RAPIDS	14.5	12.98
UP HEALTH SYSTEM-MARQUETTE	580 W. COLLEGE AVE.	MARQUETTE	ASPIRUS IRONWOOD HOSPITAL	901 LAKESHORE DRIV	ISHPEMING	16	13.96
ASPIRUS IRONWOOD HOSPITAL	901 LAKESHORE DRIVE	ISHPEMING	UP HEALTH SYSTEM-MARQUETTE	580 W. COLLEGE AVE	MARQUETTE	16	13.96
MIDMICHIGAN MEDICAL CENTER - CLARE	703 NORTH MCEWAN STREET	CLARE	MIDMICHIGAN MEDICAL CENTER - MT PLEASANT	4851 EAST PICKARD S	MOUNT PLEASANT	15.9	14.44
MCLAREN NORTHERN MICHIGAN HOSPITAL	416 CONNABLE AVENUE	PETOSKEY	MUNSON HEALTHCARE CHARLEVOIX HOSPITAL	14700 LAKE SHORE D	CHARLEVOIX	17	15.36
MUNSON HEALTHCARE CHARLEVOIX HOSPITAL	14700 LAKE SHORE DRIVE	CHARLEVOIX	MCLAREN NORTHERN MICHIGAN HOSPITAL	416 CONNABLE AVEN	PETOSKEY	17	15.36
MIDMICHIGAN MEDICAL CENTER - GLADWIN	515 QUARTER STREET	GLADWIN	MIDMICHIGAN MEDICAL CENTER - CLARE	703 NORTH MCEWAN	CLARE	24.4	17.37
MCLAREN NORTHERN MICHIGAN	748 S MAIN STREET	CHEBOYGAN	MACKINAC STRAITS HEALTH SYSTEM, INC.	1140 N. STATE ST.	SAINT IGNACE	27.8	21.5
MACKINAC STRAITS HEALTH SYSTEM, INC.	1140 N. STATE ST.	SAINT IGNACE	MCLAREN NORTHERN MICHIGAN	748 S MAIN STREET	CHEBOYGAN	27.8	21.5
MUNSON MEDICAL CENTER	1105 SIXTH ST.	TRAVERSE CITY	KALKASKA MEMORIAL HEALTH CENTER	419 S. CORAL STREET	KALKASKA	26.6	22.6
MUNSON HEALTHCARE MANISTEE HOSPITAL	1465 E PARKDALE AVENUE	MANISTEE	SPECTRUM HEALTH LUDINGTON HOSPITAL	ONE ATKINSON DRIV	LUDINGTON	30.6	23.04
KALKASKA MEMORIAL HEALTH CENTER	419 S. CORAL STREET	KALKASKA	MUNSON HEALTHCARE GRAYLING HOSPITAL	1100 MICHIGAN AVE	GRAYLING	26	23.85
ASCENSION STANDISH HOSPITAL	805 W. CEDAR STREET	STANDISH	MIDMICHIGAN MEDICAL CENTER - WEST BRANCH	2463 S. M-30	WEST BRANCH	26.2	23.85
MUNSON HEALTHCARE GRAYLING HOSPITAL	1100 MICHIGAN AVENUE	GRAYLING	KALKASKA MEMORIAL HEALTH CENTER	419 S. CORAL STREET	KALKASKA	26	23.85
MIDMICHIGAN MEDICAL CENTER - WEST BRANCH	2463 S. M-30	WEST BRANCH	ASCENSION STANDISH HOSPITAL	805 W. CEDAR STREE	STANDISH	26.5	23.85
SPECTRUM HEALTH LUDINGTON HOSPITAL	ONE ATKINSON DRIVE	LUDINGTON	MERCY HEALTH PARTNERS, LAKESHORE CAMPUS	72 S. STATE STREET	SHELBY	27.5	24.53
PAUL OLIVER MEMORIAL HOSPITAL	224 PARK AVENUE	FRANKFORT	MUNSON HEALTHCARE MANISTEE HOSPITAL	1465 E PARKDALE AV	MANISTEE	33	25.36
OTSEGO MEMORIAL HOSPITAL	825 N. CENTER AVENUE	GAYLORD	MUNSON HEALTHCARE GRAYLING HOSPITAL	1100 MICHIGAN AVE	GRAYLING	27.9	25.49
MUNSON HEALTHCARE CADILLAC HOSPITAL	400 HOBART	CADILLAC	SPECTRUM HEALTH REED CITY HOSPITAL	300 N. PATTERSON R	REED CITY	27.9	26.23
BARAGA COUNTY MEMORIAL HOSPITAL	18341 U.S. HIGHWAY 41	L ANSE	PORTAGE HOSPITAL, LLC	500 CAMPUS DRIVE	HANCOCK	37.4	29.31
ASCENSION ST. JOSEPH HOSPITAL	200 HEMLOCK, PO BOX 659	TAWAS CITY	ASCENSION STANDISH HOSPITAL	805 W. CEDAR STREE	STANDISH	36.5	30.51
DICKINSON COUNTY HEALTHCARE SYSTEM	1721 SOUTH STEPHENSON AVENUE	IRON MOUNTAIN	ASPIRUS IRON RIVER	1400 WEST ICE LAKE	IRON RIVER	44.2	34.15
ASPIRUS IRON RIVER	1400 WEST ICE LAKE RD	IRON RIVER	DICKINSON COUNTY HEALTHCARE SYSTEM	1721 SOUTH STEPHE	IRON MOUNTAIN	44.3	34.15
SCHOOLCRAFT MEMORIAL HOSPITAL	7870W US HWY 2	MANISTIQUE	MUNISING MEMORIAL HOSPITAL	1500 SAND POINT RO	MUNISING	47.6	37.02
MUNISING MEMORIAL HOSPITAL	1500 SAND POINT ROAD	MUNISING	UP HEALTH SYSTEM-MARQUETTE	580 W. COLLEGE AVE	MARQUETTE	46	38.06
ASPIRUS ONTONAGON HOSPITAL	601 S SEVENTH ST	ONTONAGON	PORTAGE HOSPITAL, LLC	500 CAMPUS DRIVE	HANCOCK	53.5	38.8
CHIPPEWA COUNTY WAR MEMORIAL HOSPITAL	500 OSBORN	SAULT SAINTE MARIE	MACKINAC STRAITS HEALTH SYSTEM, INC.	1140 N. STATE ST.	SAINT IGNACE	49.8	45.78
ST. FRANCIS HOSPITAL	3401 LUDINGTON STREET	ESCANABA	DICKINSON COUNTY HEALTHCARE SYSTEM	1721 SOUTH STEPHE	IRON MOUNTAIN	49.4	45.98
HELEN NEWBERRY JOY HOSPITAL	502 W HARRIE STREET	NEWBERRY	SCHOOLCRAFT MEMORIAL HOSPITAL	7870W US HWY 2	MANISTIQUE	60.1	46.02
ASPIRUS IRONWOOD HOSPITAL	N10561 GRAND VIEW LANE	IRONWOOD	ASPIRUS ONTONAGON HOSPITAL	601 S SEVENTH ST	ONTONAGON	57.9	46.58
MIDMICHIGAN MEDICAL CENTER - ALPENA	1501 W. CHISHOLM STREET	ALPENA	OTSEGO MEMORIAL HOSPITAL	825 N. CENTER AVEN	GAYLORD	71.6	59.98
					AVERAGE	32.548485	27.1048485



MEMORANDUM

TO: CON CT Workgroup
FROM: Arlene Elliott
DATE: November 4, 2019
RE: Mini Survey results: CT service hours/utilization detail

The September CON CT workgroup determined a need to validate the actual time required to perform various CT scan types, whether these times varied based on the facility type (hospital, hospital outpatient department, freestanding) and the typical hours of operation of a CT scanner service. A link to a mini survey was emailed to people who had signed in at the September CT workgroup, to the contacts listed for the CT scanner Section of the CON Annual Survey, and was also made available via the CON listserv. The information below and on the attached file provide the data results from this survey. In total 64 CT sites/services responded.

Where is your CT scanner(s) located? – 64 sites

Hospital – 35
HOPD – 15
Freestanding – 14

How many hours per week is your facility open to perform CT scans?

Hospital – 168
HOPD – 88 Range: 32-168
Freestanding – 72 Range: 40-168

Where do you prep patients (start IVs) prior to a CT scan? **IN CT ROOM ?**

ALL: Yes = 85%, No = 15%
Hospital: Yes = 91%, No = 9%
HOPD: Yes = 93%, No = 7%
Freestanding: Yes = 62%, No = 38%

Where do you prep patients (start IVs) prior to a CT scan? **OUTSIDE CT ROOM?**

All: Yes = 35%, No = 65%
Hospital: Yes = 35%, No = 65%
HOPD: Yes = 20%, No = 80%
Freestanding: Yes = 62%, No = 38%

Each day, approximately how much time is each CT scanner unavailable to perform scans during patient care hours because techs are post processing images ?

All: 34 minutes/ 0.56 Hours Range: 0-2.5 hours
 Hospital: 29 minutes/ 0.49 Hours Range: 0-2.5 hours
 HOPD: 13 minutes/0.21 Hours Range: 0-1 hour
 Freestanding: 71 minutes/1.18 Hours Range: 0-2.5 hours

Makes/Models CT scanners:

Cannon Aquillon Prime SP	Siemens Somatom Sensation	Siemens Somatom Definition
Canon Prime 80	64 slice	64 slice scanner
GE 4 slice	Siemens Somatom Sensation	Siemens Somatom Definition
GE 64 Evos	Open 20 slice	AS 128 - slice
GE 64 slice	Siemens 128 slice Definition	Siemens Somatom Definition
GE 64 Slice - Lightspeed VCT	Siemens 128 slice Definition	Flash
GE 750 HD	plus	Siemens- Somaton Definition
GE Light Speed	Siemens 64 slice	AS
GE LightSpeed 16	Siemens 64 Slice Definition AS	Toshiba Aquillon 320
GE Lightspeed VCT	Siemens AS Definition 128	Toshiba Aquillon 64
GE Lightspeed VCT (64 slice)	Siemens AS+	Toshiba Aquillon One
GE Revolution	Siemens Definition AS	Toshiba Aquillon Premium
GE Revolution 750	Siemens Edge 128 slice	Toshiba Aquillon Prime
GE Revolution EVO	Siemens Emotion 16	Toshiba Aquillon Prime 64
GE Revolution HD 750	Siemens Force	Toshiba Aquillian
GE VCT	Siemens Perspective 64	Toshiba Aquillion 80 Prime
GE VCT 64 slice	Siemens Sensation 10	Toshiba/Cannon Aquillon
Neurologic Ceretom- portable CT	Siemens Sensation 16	Prime
Philips Brilliance	Siemens Sensation 64	
Philips Gemini TF PET-CT	Siemens Somatom	
Philips Ingenuity 128 Slice	Siemens Somatom 128 slice	
Siemens - Flash	Siemens Somatom 64	