Mercy Health Saint Mary's

Name: Bender, Mary

Sex: Female
Ethnicity: White

Referring Physician:
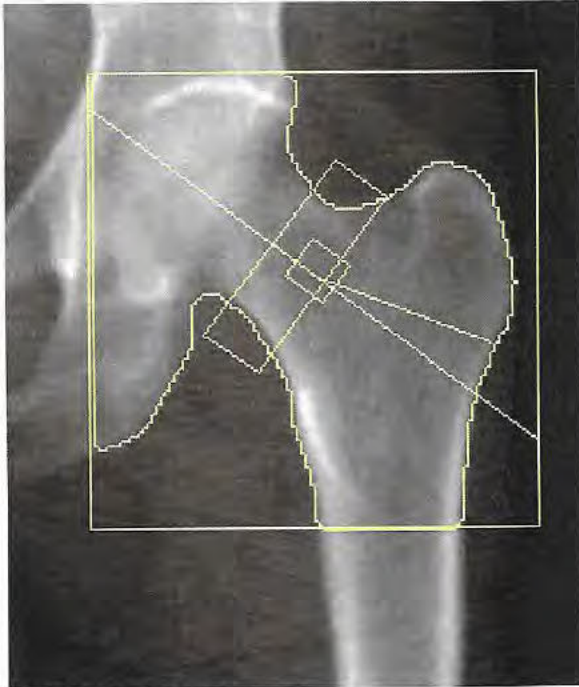
Scan Information:

Scan Date: October 05, 2020
Scan Type: f Left Hip
Analysis: October 05, 2020 13:55 Version 13.5.3.2:3
Hip
Operator: DW
Model: Discovery A (S/N 85664)
Comment:

Image not for diagnostic use
k = 1.153, d0 = 47.4
99 x 101
NECK: 49 x 15
DAP: 1.7 cGy*cm²

DXA Results Summary:

Region	Area (cm²)	BMC (g)	BMD (g/cm²)	T - score	PR (%)	Z - score	AM (%)
Neck	4.95	3.33	0.673	-1.6	79	0.0	100
Troch	11.24	7.49	0.666	-0.4	95	0.8	114
Inter	18.23	16.95	0.929	-1.1	84	-0.1	99
Total	34.42	27.76	0.807	-1.1	86	0.2	103

Total BMD CV 1.0%, ACF = 1.026, BCF = 1.007, TH = 5.834
WHO Classification: Osteopenia
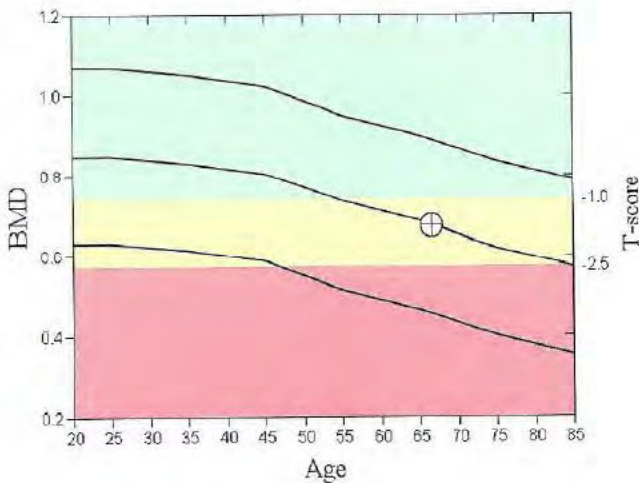
FRAX® WHO Fracture Risk Assessment Tool

10-year Fracture Risk[1]

Major Osteoporotic Fracture	8.7%
Hip Fracture	1.1%

Reported Risk Factors:
US (Caucasian), Neck BMD=0.673, BMI=22.2

[1] FRAX® Version 3.08. Fracture probability calculated for an untreated patient.
Fracture probability may be lower if the patient has received treatment.

Neck

Comment:

All treatment decisions require clinical judgment and consideration of
individual patient factors, including patient preferences, comorbidities,
previous drug use and risk factors not captured in the FRAX model
(e.g. frailty, falls, vitamin D deficiency, increased bone turnover,
interval significant decline in BMD).

T-score vs. White Female. Source:BMDCS/NHANES White Female. Z-score vs. White
Female. Source:BMDCS/NHANES White Female.

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Mercy Health Saint Mary's

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Name: Bender, Mary	Sex: Female
▮▮▮▮▮▮	Ethnicity: White

Referring Physician: ▮▮▮▮▮▮

Image not for diagnostic use
99 x 101
NECK: 49 x 15
DAP: 1.7 cGy*cm²

Scan Information:

Scan Date: October 05, 2020 ▮▮▮▮
Scan Type: f Left Hip
Analysis: October 05, 2020 13:55 Version 13.5.3.2
Hip
Operator: DW
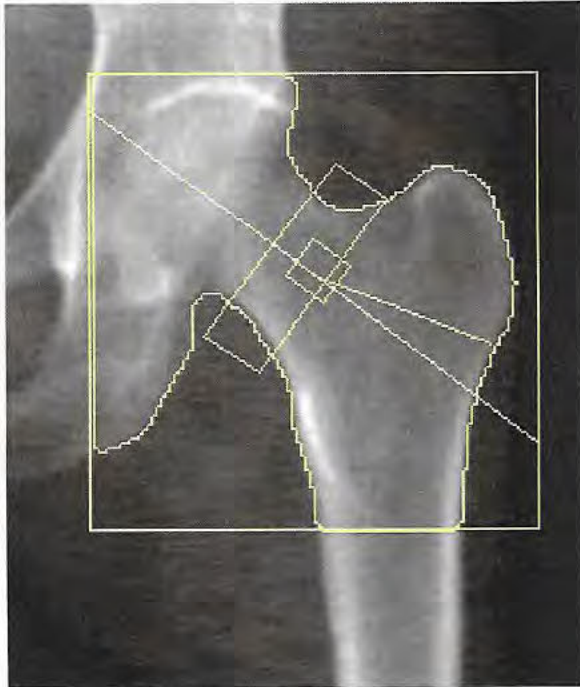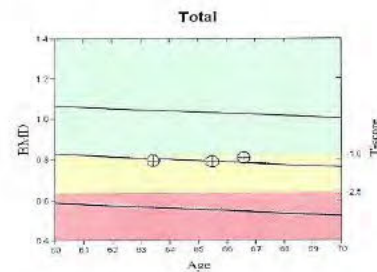Model: Discovery A (S/N 85664)
Comment:

T-score vs. White Female. Source:BMDCS/NHANES White Female. Z-score vs. White Female. Source:BMDCS/NHANES White Female.

FRAX®   WHO Fracture Risk Assessment Tool

10-year Fracture Risk[1]

Major Osteoporotic Fracture	**8.7%**
Hip Fracture	**1.1%**

Reported Risk Factors:
US (Caucasian), Neck BMD=0.673, BMI=22.2

[1] FRAX® Version 3.08. Fracture probability calculated for an untreated patient. Fracture probability may be lower if the patient has received treatment.

DXA Results Summary:

Scan Date	Age	BMD (g/cm²)	T-score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020	▮	0.807	-1.1	0.010 (1.3%)	0.017 (2.2%)
08/30/2019		0.789	-1.3	-0.007 (-0.9%)	-0.007 (-0.9%)
08/09/2017		0.796	-1.2		

* Denotes significance at 95% confidence level, site specific LSC is 0.024 g/cm²

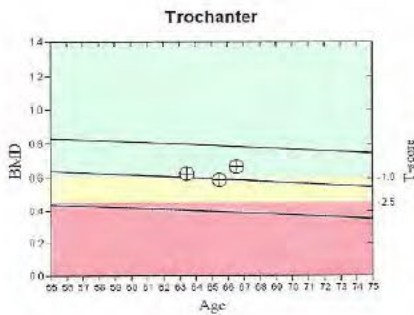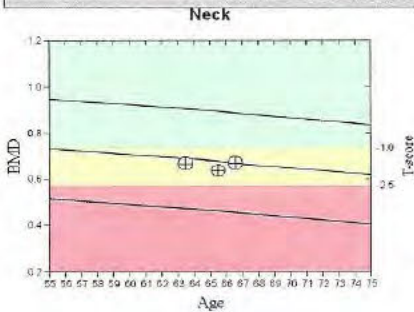**HOLOGIC®**

Mercy Health Saint Mary's

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Name: Bender, Mary

▮▮▮▮▮

Sex: Female
Ethnicity: White

▮▮▮▮▮

Neck

DXA Results Summary:

Scan Date	Age	BMD (g/cm²)	T - score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020	▮	0.673	-1.6	0.003 (0.5%)	0.034 (5.3%)*
08/30/2019		0.639	-1.9	-0.030 (-4.5%)*	-0.030 (-4.5%)*
08/09/2017		0.669	-1.6		

* Denotes significance at 95% confidence level, LSC is 0.029 g/cm²

Trochanter

Scan Date	Age	BMD (g/cm²)	T - score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020	▮	0.666	-0.4	0.044 (7.0%)*	0.079 (13.4%)*
08/30/2019		0.588	-1.1	-0.035 (-5.6%)*	-0.035 (-5.6%)*
08/09/2017		0.623	-0.8		

* Denotes significance at 95% confidence level, LSC is 0.018 g/cm²
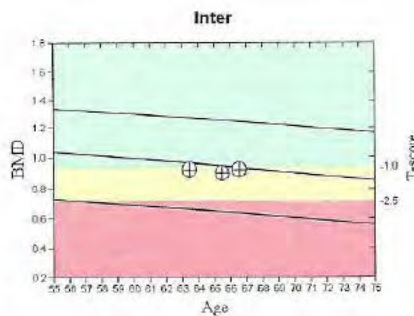
Inter

Scan Date	Age	BMD (g/cm²)	T - score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020	▮	0.929	-1.1	0.002 (0.2%)	0.023 (2.5%)
08/30/2019		0.907	-1.2	-0.020 (-2.2%)	-0.020 (-2.2%)
08/09/2017		0.927	-1.1		

* Denotes significance at 95% confidence level, LSC is 0.025 g/cm²

Scan Type: f Left Hip - A1005200Z

T-score vs. White Female.
Source:BMDCS/NHANES White
Female. Z-score vs. White Female.
Source:BMDCS/NHANES White
Female.

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███████████

Name: Bender, Mary	Sex: Female
███████████	Ethnicity: White

Referring Physician: ███████████

Image not for diagnostic use
k = 1.146, d0 = 43.6
116 x 143
DAP: 2.3 cGy*cm²

Scan Information:

Scan Date:	October 05, 2020 ███████████
Scan Type:	f Lumbar Spine
Analysis:	October 05, 2020 13:52 Version 13.5.3.2:3
	Spine
Operator:	DW
Model:	Discovery A (S/N 85664)
Comment:	

DXA Results Summary:

Region	Area (cm²)	BMC (g)	BMD (g/cm²)	T-score	PR (%)	Z-score	AM (%)
L1	14.79	10.91	0.737	-2.3	74	-0.6	91
L2	15.20	12.18	0.802	-2.1	78	-0.2	97
L3	17.25	15.93	0.924	-1.5	85	0.5	106
L4	19.43	17.10	0.880	-1.6	83	0.4	105
Total	66.66	56.12	0.842	-1.9	80	0.0	100

Total BMD CV 1.0%, ACF = 1.026, BCF = 1.007, TH = 7.250
WHO Classification: Osteopenia
Fracture Risk: Increased

Total
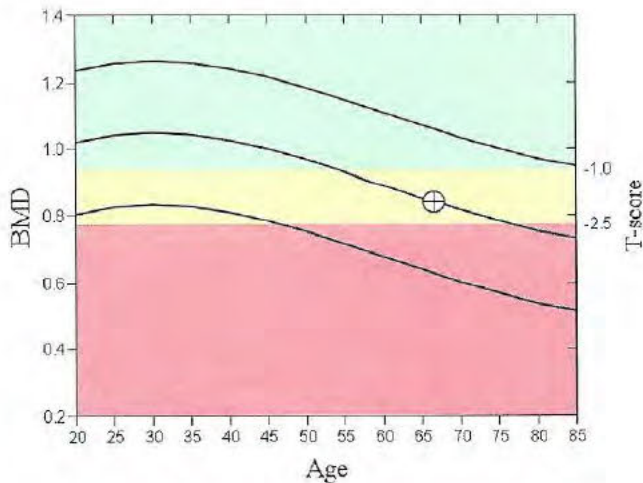
Comment:

T-score vs. White Female. Source:BMDCS/Hologic White Female. Z-score vs. White
Female. Source:BMDCS/Hologic White Female.

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Mercy Health Saint Mary's

Name: Bender, Mary

Sex: Female
Ethnicity: White

Referring Physician:

Image not for diagnostic use
116 x 143
DAP: 2.3 cGy*cm²

Scan Information:

Scan Date: October 05, 2020
Scan Type: f Lumbar Spine
Analysis: October 05, 2020 13:52 Version 13.5.3.2
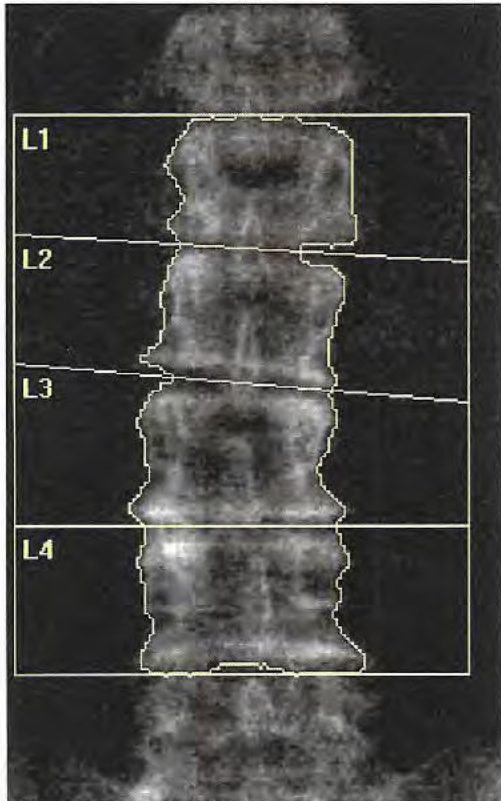Spine
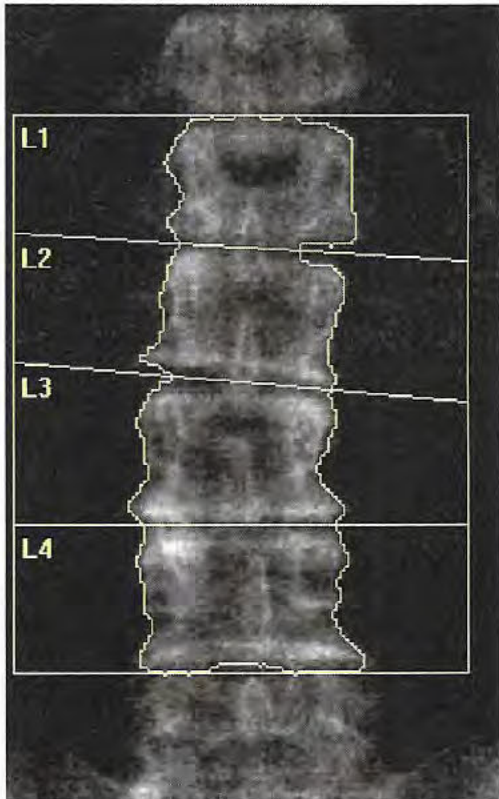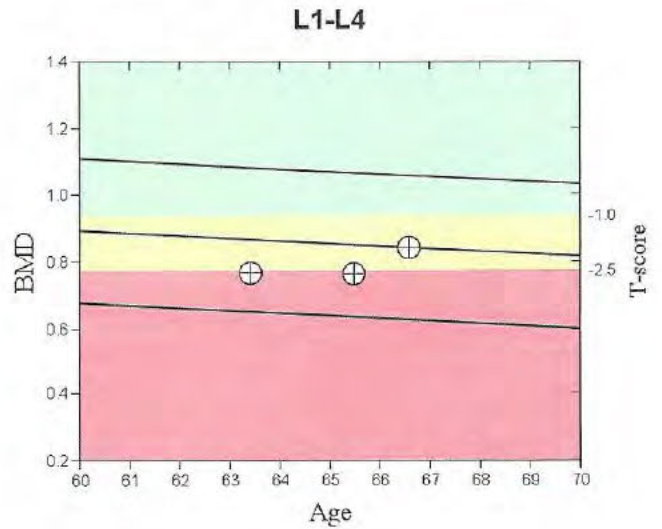Operator: DW
Model: Discovery A (S/N 85664)
Comment:

L1-L4

T-score vs. White Female. Source:BMDCS/Hologic White Female. Z-score vs. White Female. Source:BMDCS/Hologic White Female.

DXA Results Summary: L1-L4

Scan Date	Age	BMD (g/cm²)	T-score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020		0.842	-1.9	0.074 (9.6%)*	0.077 (10.1%)*
08/30/2019		0.765	-2.6	-0.004 (-0.5%)	-0.004 (-0.5%)
08/09/2017		0.768	-2.5		

* Denotes significance at 95% confidence level, site specific LSC is 0.029 g/cm²

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Mercy Health Saint Mary's

Name: Bender, Mary

Sex: Female
Ethnicity: White

Referring Physician:

Image not for diagnostic use
k = 1.204, d0 = 64.2
185 x 95, Forearm Length: 25.5 cm
DAP: 0.8 cGy*cm²

Scan Information:

Scan Date: October 05, 2020
Scan Type: a L.Forearm
Analysis: October 05, 2020 13:51 Version 13.5.3.2:3
  Left Forearm
Operator: DW
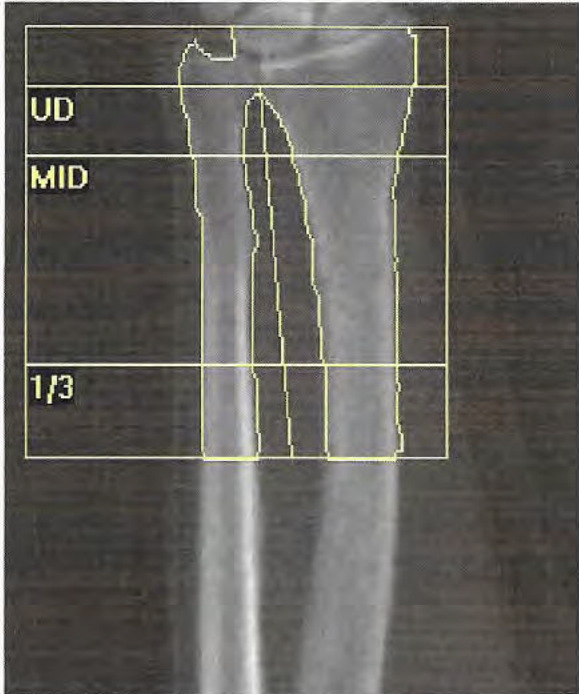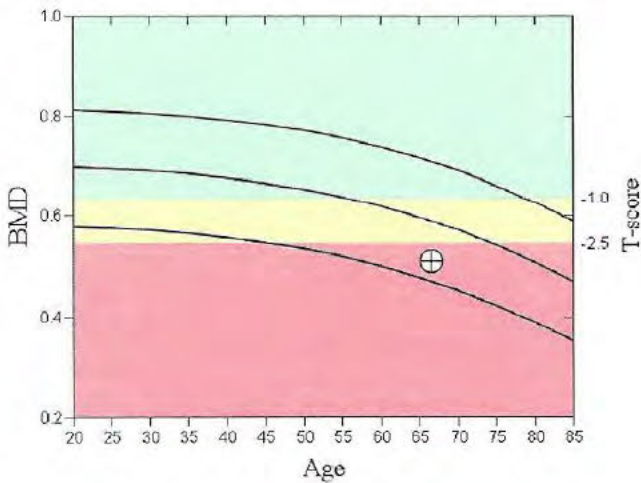**Model:** Discovery A (S/N 85664)
Comment:

DXA Results Summary:

Radius	Area (cm²)	BMC (g)	BMD (g/cm²)	T-score	PR (%)	Z-score	AM (%)
UD	3.84	1.38	0.359	-1.5	81	-0.2	97
MID	7.32	3.39	0.463	-2.6	76	-0.9	90
1/3	**2.91**	**1.48**	**0.509**	**-3.1**	**73**	**-1.3**	**87**
Total	14.07	6.25	0.444	-2.5	77	-0.8	91

Total BMD CV 1.0%, ACF = 1.026, BCF = 1.007
WHO Classification: Osteoporosis
Fracture Risk: High

1/3 (Radius)

Comment:

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Mercy Health Saint Mary's

██████████████

██████████   ████████████

| Name: Bender, Mary | Sex: Female |
| | Ethnicity: White |

Referring Physician: ██████████████

Image not for diagnostic use
185 x 95
DAP: 0.8 cGy*cm²

Scan Information:

Scan Date: October 05, 2020   ████████
Scan Type: a L.Forearm
Analysis: October 05, 2020 13:51 Version 13.5.3.2
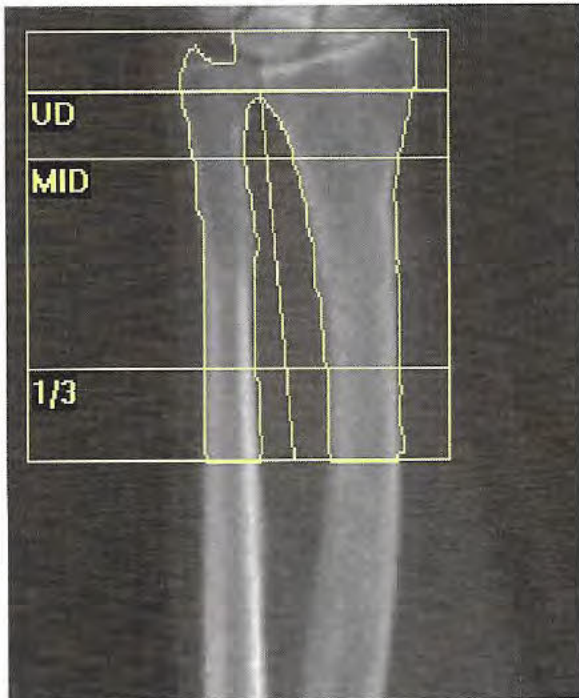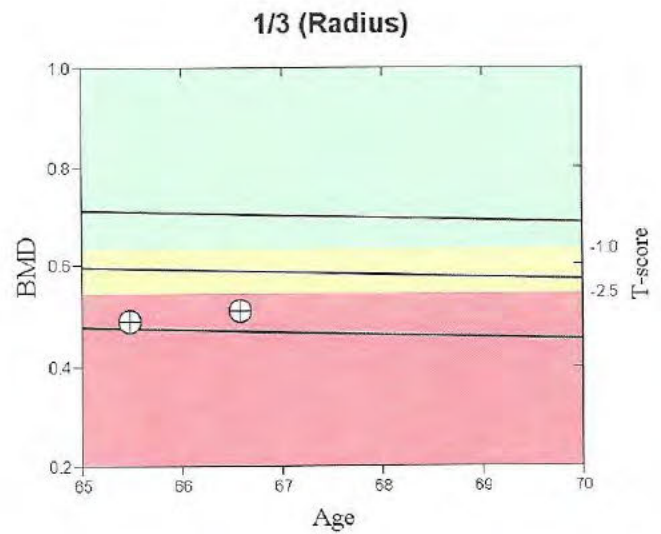Left Forearm
Operator: DW
Model: Discovery A (S/N 85664)
Comment:

1/3 (Radius)

T-score vs. White Female. Source:BMDCS/Hologic Z-score vs. White Female. Source:BMDCS/Hologic

DXA Results Summary:

Scan Date	Age	BMD (g/cm²)	T-score	BMD Change (g/cm²) vs Baseline	vs Previous
10/05/2020	66	0.509	-3.1	0.019 (3.8%)	0.019 (3.8%)
08/30/2019	65	0.491	-3.4		

* Denotes significance at 95% confidence level, LSC is 0.023 g/cm²

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