



**COVID-19 impact
from
Human capital
Point of View**

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IS3R: COVID - Human capital (Olea Medical)

- A. The pandemic has placed significant additional stresses on our workforce. What steps can IS3R and industry take to maintain a healthy and effective workforce?
- B. What ‘best practices’ has industry observed regarding supporting a healthy front-line health care workforce? How can IS3R support an effective industry workforce?
- C. The emergence of AI in medical imaging is dominating the technology conversation. How can AI be used to help the field of Radiology deal with the pandemic?
- D. What is the impact of AI for Radiology providers? Are there global differences in the impact on Radiology practice now, and the rate of adoption?



The pandemic has placed significant additional stresses on our workforce. What steps can IS3R and industry take to maintain a healthy and effective workforce?

- 1) **Creation of IS3R Crisis Task Force**
- 2) **Harmonize recommendation on COVID19**
- 3) **Encourage Teleradiology Solutions**

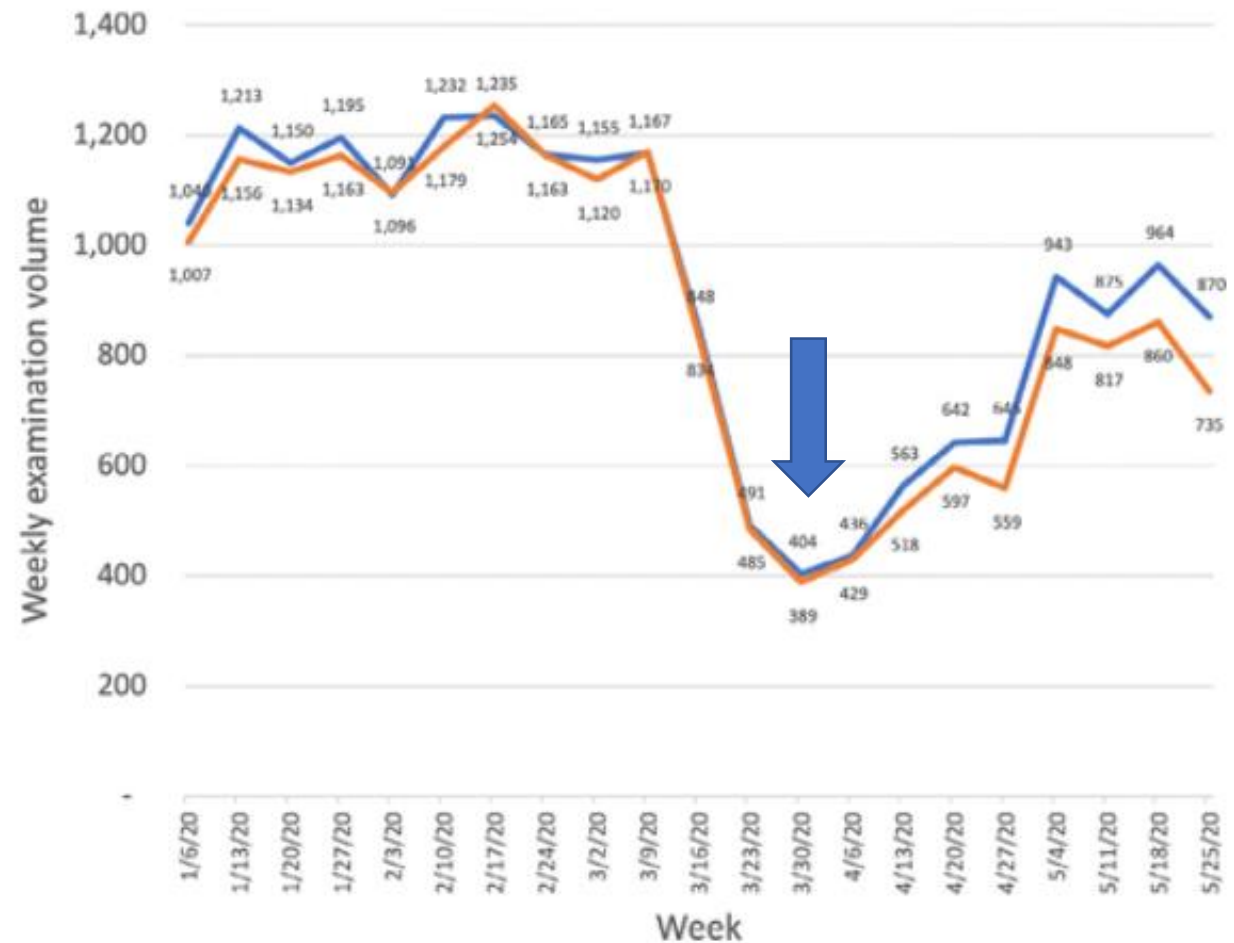


Figure 1: Graph of weekly examination volumes and work relative value units (RVUs) generated in Practice A. Examination volume was steady in January and February 2020,

- What ‘best practices’ has industry observed regarding supporting a healthy front-line health care workforce?

How can IS3R support an effective industry workforce?

- ❑ Business success is a consequence of a healthy and productive staff. Placing the well being of your employees as the highest priority is the key to good leadership. Being proactive is the best way to insure this.
- ❑ Industry and Healthcare Organizations can best support this by providing people-oriented policies and bold leadership decisions.



- What ‘best practices’ has industry observed regarding supporting a healthy front-line health care workforce?

How can IS3R support an effective industry workforce?

1. **Olea Medical radical decisions to protect their personnel:**

- Cancel all events, travels and sites visits (e.g. ECR ...)
- Remote working: IT structure, family particular situations, communication
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2. **Mobile solutions**

3. **We need IS3R Guidelines on protecting Workforce**



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- ❑ Clinical care of COVID patients is not typically impacted by imaging
- ❑ COVID situation major impacts are :
 - Decrease the overall number of procedures of every radiology practices
 - With a significant financial impact
 - And a potential work overload after the pandemy**

➔ AI can be used to improve the overall efficiency and throughput :

1. Optimize workflow (Triage, detection, etc. ...)
2. Reduce scan times (Deep learning reconstruction)
3. Tools to improve billing, patient scheduling.



What is the impact of AI for Radiology providers?
Are there global differences in the impact on Radiology practice now, and the rate of adoption?

- AI is designed to answer to only 1 question
- Radiologist NO, they must have a global analysis.



- What is the impact of AI for Radiology providers?
Are there global differences in the impact on Radiology practice now, and the rate of adoption?

- Today's impact is low (except of few large academic centers)
- Overall adoption rate has been low due to:
 - Lack of clinical evidence
 - Workflow integration issues
 - Limited reimbursements (may change with LVO NTAP)
 - **Too many different companies and tools**
- Risk is to replicate the issues of Breast CAD → tools need to be accurate and increase productivity
- Next generation of Deep learning tools will have a higher impact



