



Resource impact summary report

Resource impact

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These recommendations do not include robot-assisted surgery for prostatectomy. Robot-assisted surgery for prostatectomy is established practice in the NHS, so this procedure was excluded from the scope of this early value assessment.

Recommendation

Five technologies can be used in the NHS during the evidence generation period as options for robot-assisted surgery for soft tissue procedures. The technologies are:

- Da Vinci SP
- Da Vinci X and Xi
- Hugo robotic-assisted surgery system
- Senhance Surgical System
- Versius Surgical System.

These technologies can only be used if the evidence outlined in the evidence generation plan for robot-assisted surgery for soft tissue procedures is being generated.

Depending on current local practice, areas that may require additional resources and result in additional costs include:

- the purchase or lease costs of the technology and any associated contracts
- time required for training NHS staff, so they are conversant with the technology
- time required to set up the technology
- costs associated with the service and maintenance of the technology
- additional consumable equipment costs per procedure.

Implementing the guidance may:

- increase access to minimally invasive surgery for some procedures and some groups of people
- reduce hospital stays compared with open surgery and potentially reduce hospital stays for some standard minimally invasive procedures
- make it easier for surgeons to train to do minimally invasive surgery
- enable surgeons to work for more years because work is less physically demanding.

Experts said that the number of staff needed to do robot-assisted surgery is usually the same as other surgical techniques, but the composition and expertise of the team may be different. There is a learning curve associated with robot-assisted surgery. Patient outcomes and service efficiency may not be maximised until the end of the learning curve.

Other benefits may be identified during the evidence generation process.

Key information

Table 1 Key information

Commissioners	Integrated care boards
Providers	NHS hospital trusts

About this resource impact summary report

This resource impact summary report accompanies the [NICE early value assessment guidance on robot-assisted surgery for soft tissue procedures](#) and should be read with it. See [terms and conditions on the NICE website](#).

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