Publication: The Straits Times, pg A09 Date: 02 December 2019 Headline: How tech can play a role in ecosystem of care

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IoT devices needed to offload their data to a local gateway that pushes
it on to researchers via the Internet, but some of the elderly users tended to switch off these mains-
powered machines. The IoT devices are battery-oper-
ated, but the batteries last for only about six months, he said. "So we have two problems reliability, and
have two problems: reliability, and high maintenance costs." But new technologies such as
But new technologies, such as low-power, wide-area networks, mean gateways are no longer re-
quired, while batteries now last up to three years.
Even then, technology alone can- not solve the problems of aged care.
said Dr Liu Jianbing, director of a laboratory for smart healthcare at the Beijing Academy of Science and
Technology. "For instance, a system might be able to detect distress, but you still
need personnel nearby who can re-
spond to these emergency needs," he said. "It's about how you can combine technology with local ser-
vices: a standalone platform is not
going to work." NTUC Health's Ms Chan also noted that devices such as the blad-
der sensor can provide plenty of false positives, and need to be sup-
plemented with the human touch. "Ultimately, it is to enable seniors
to live fulfilling, active, purposeful and meaningful lives no matter
their age," she said. "On the other end of the spectrum, it allows us to
deliver services as effectively and ef-

end of the spectrum, it allows us to deliver services as effectively and efficiently as possible so that we can keep costs affordable."

Lim Yan Liang

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