全球领先的
智慧医疗专家
World Leading Clinical Software Experts

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一方采集，多方共享 － 一次努力，终生受益
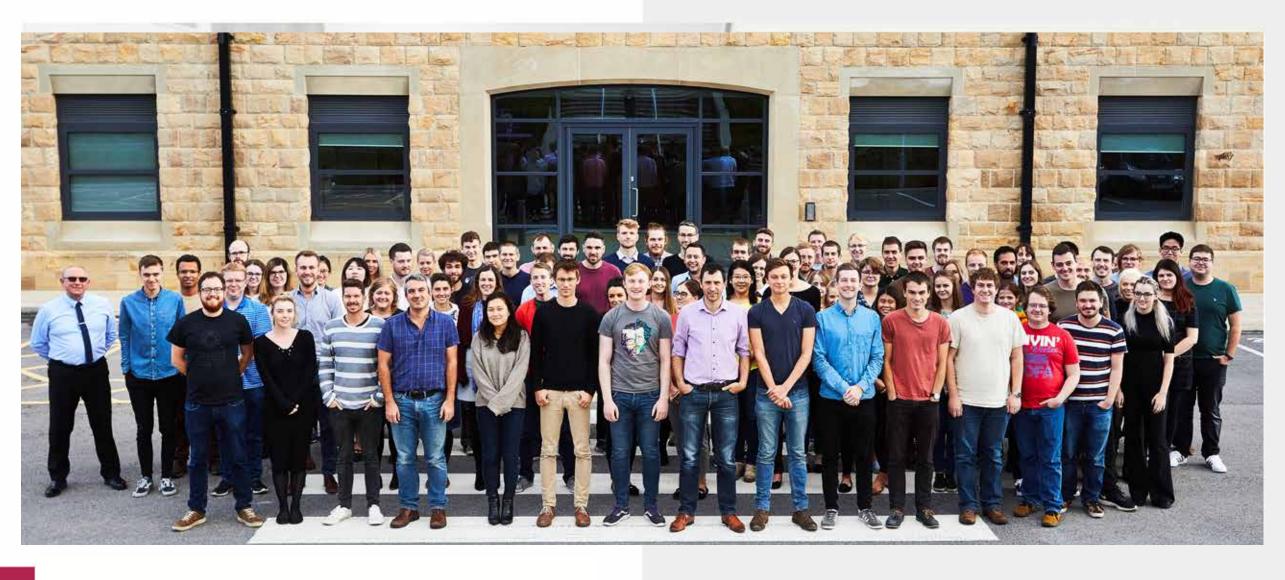One Patient, One Record － A Lifelong Benefit

TPP成立于1997年，是一家专注于医疗软件开发、系统集成并提供技术服务的高科技企业。以电子病历为立足根本，并在其基础上进行相关医疗健康信息软件研发、生产、销售及售后服务。

作为英国信息技术服务行业的龙头企业，TPP凭借卓越的产品表现、完善的客户管理体系、丰富的技术资源和开发经验，获得了市场认可和良好的口碑，在英国有超过7000家的NHS医疗机构使用SystmOne，中央托管5000万份电子健康档案，超过英国70%的人口。

TPP is a healthcare technology company, dedicated to delivering world class healthcare software in the UK and internationally. Our philosophy is to join up healthcare based on a shared electronic medical record, improving access to clinical data and empowering patients to take part in their own care.

Our core product, SystmOne, makes this possible and is used by over 200,000 clinicians across 7,000+ organisations. With over 20 years of experience working with the NHS, TPP is now expanding to deliver connected care to new markets abroad.

SystmOne易统-独特之处

▲ SystmOne采用中央托管的云端技术，完整记录患者全生命过程的珍贵临床数据，可真正实现"一位患者一生只需要一份病历"

▲ 高度可拓展，可支持任何人口规模的数据存储

▲ 结构化数据输入，生成各类强大报表，可供公共卫生以及人口健康统计分析使用

▲ 秉承系统即服务的理念，替用户提供培训、数据迁移、系统运维一站式全包服务

▲ 支持中西药处方与临床决策支持，帮助医护人员做到"中西医并重"

▲ 安全可靠，确保系统全天候运行顺畅并拥有全面灾备方案，数据永不丢失

▲ 灵活配置的各功能模块，让每个医生能够单独配置自己的操作界面及所需功能，提升工作效率

Why Choose TPP?

▲ SystmOne is a centrally hosted system that joins up healthcare based on a single medical record for each citizen, detailing all of their interactions with health and care services, creating 'one patient, one record'

▲ Fully scalable solution for any population size

▲ Structured data enables meaningful reporting on all aspects of clinical and administrative workload

▲ SaaS offer means training, data migration and support is all included

▲ Localised system facilitates the prescribing of both Western and Chinese medicines

▲ Traditional Medicines so that healthcare organisations can provide tailored care to citizens

▲ Secure and available 24/7 with a comprehensive disaster recovery (DR) solution to prevent any data loss

▲ Fully configurable so each health professional can set up their own interface and preferences

深耕中国
TPP in China

疾病预防

集成共享

健康管理

近年来，TPP凭借业界领先的先进医疗服务软件进军国际市场，并于2013年进入中国并推广符合中国医疗产业实际需求的、结合中英优势的产品。我们与中国的基层医疗机构、医院、私人诊所、养老机构与健康管理机构都保持着紧密合作关系。我们将医生端系统与患者手机端APP结合在一起，为中国的用户提供了一套以患者为中心的医疗信息化解决方案，让大众真正掌握自身健康的管理权，向"健康中国"的共同目标稳步迈进。

With over 20 years of experience working with the NHS, TPP's presence in China builds on its outstanding achievements in UK healthcare. TPP has worked extensively with experts in China to adapt SystmOne for the Chinese healthcare system, and has developed and localised a tailored citizen-centred electronic health record in line with the Chinese government's priorities. Our product facilitates integrated care and addresses government efforts to provide more streamlined and efficient healthcare for the population.

TPP产品
全方位一体化的智慧医疗解决方案

SystmOne易统-创新 互联 共享

SystmOne是一套全面整合的电子健康档案（EHR）。在患者同意的情况下，SystmOne能在医疗机构中安全地实现患者医疗数据共享，并串联起照护患者的各个机构。SystmOne也能将机构内的科室及团队结合起来，为患者提供真正的整合型医疗护理服务。

▲ 医政、医技、财务三位一体：所有科室、团队在同一系统上分工合作，无缝为医院管理及患者照护提供全面服务

▲ 强大报表系统：医护人员和管理人员可通过报表系统生成自定义或内建报表，以进行临床或策略分析

▲ 结构化数据采集：系统上记录信息皆为有意义的结构化数据，用户便可轻易查找需要信息并进行报表分析

▲ 轻松实现移动办公：支持移动办公与离线工作，让医护工作者的工作不受网络与地理限制

▲ 云端安全应用：22年云端技术经验，用户在受控的环境中安全的使用各种业务应用，采用最高标准的安全协议以确保患者信息安全

▲ 跨机构共享：系统可在不同机构之间互联互通，医生可查看到来自其他机构的患者关键信息，以制定更好的诊疗方案

Key features of SystmOne:

With specialised solutions for all healthcare settings, SystmOne provides clinicians with a single Electronic Health Record (EHR), available wherever citizens require care. SystmOne encompasses 24 different healthcare settings, including Acute Hospital, Community Health Centres and Elderly Care.

▲ Allows healthcare professionals to complete management, clinical and administrative tasks all in one system

▲ Enables citizen data to be shared securely across healthcare settings, promoting efficiency and standardisation

▲ Allows for comprehensive analysis within single or multiple services through configurable business intelligence tools – these tools can be used to monitor an organisation's performance and appropriately allocate resources

▲ Reduces costs through smart and intuitive reporting functionality, whilst setting and improving standards across services

▲ Enter meaningful data through standardised, structured data templates

▲ Enables clinicians to view the EHR anywhere, irrespective of location and network connectivity, through SystmOne's online/offline Mobile Working functionality

▲ Makes citizen data from multiple sources available in real time at the point of care, allowing clinicians to make better decisions

AIRMID爱阅历
-真正拥有自身健康管理权

爱阅历手机APP，可以与医疗信息系统无缝对接，为用户提供全生命周期的健康管理服务。不仅能够提高用户的自我健康管理能力，也能帮助医疗机构为患者提供全流程与移动化的智慧医疗服务。

【一手掌握，分秒跟进】
无论何时何地都能轻松访问自己的健康档案，全方位掌控自身健康

【一方采集，多方共享】
在看诊时通过手机向医生展示全部健康档案，让医生做出最佳治疗决策

【一键管理，效率满分】
记录分析日常活动，养成良好生活习惯；信息直达医生，轻松帮您管理全部健康信息

【一站建档，全家受益】
家庭账户轻松互联，在彼此同意的情况下时刻关怀家人的健康状况

AIRMID APP

TPP's Airmid App provides full cradle-to-grave healthcare for citizens and their family. It integrates with SystmOne: the health-care provider's clinical system, enabling citizens to proactively manage their own care.

The app services available to patients are:

▲ Viewing their summary and/or detailed patient record online

▲ Recording daily health data including conditions, allergies, medications, notes, completing surveys and uploading documents

▲ Setting up medication reminders

▲ Managing appointments

▲ Online consultations

▲ Managing memberships

▲ Sharing their record

▲ Receiving notifications from their healthcare providers

▲ Finding healthcare organisations nearby

ResearchOne 数据库 –大数据助力科研

▲ 通过结构化的数据采集方式，系统收集到的信息能被转化为可供研究的规则数据，促进医疗护理研究的进程。配合使用分析工具，这些医疗大数据可以用于各个层级的疾病预防与控制，及其他医疗研究。不仅能提高公共卫生领域的科研水平，也能提升各级医疗院所的诊疗效率，帮助他们合理运用医疗资源。TPP与政府机构与大学合作开发了ResearchOne数据库，为政府的公共卫生监督提供数据支持。

▲ 通过医疗大数据研究，可以对患者进行风险分层，帮助政府与医疗机构合理规划医疗资源，为更多人提供优质的医疗服务。例如TPP与利 兹大学合作研究出的电子体弱指数表（Electronic Frailty Index）， 就可以帮助医护人员对患者的身体状况进行分类，并为他们制定更加合适的治疗方案。

Big Data

▲ Data from SystmOne can be transformed into meaningful and insightful knowledge. This 'Big Data' is then used for surveillance, analysis and research on an organisational, provincial or national scale, facilitating analysis that benefits public health whilst increasing efficiencies

▲ The research is conducted with the co-operation of partners in the government and academic sectors

▲ The database then enables the development of risk stratification algorithms and decision support tools that can be used in SystmOne

▲ One example of this is the Electronic Frailty Index: innovative functionality within SystmOne that enables the calculation of a frailty score, which is used to identify citizens with mild, moderate or severe frailty and allows clinicians to plan for their care accordingly

医疗AI-应对全球健康挑战 Healthcare AI

▲ 通过人工智能算法，侦测慢性病潜在患者和并发症风险，从根源减少疾病带来的负担和社会医疗成本支出

▲ 帮助医疗机构进行疾病早期侦测，实现"早发现，早治疗"，提高治疗结果和患者存活率

▲ SystmOne收集的高度结构化临床数据有利于合理分配有限的医疗资源

▲ Through AI, we can prevent non-communicable diseases (NCDs) by identifying risk factors for patients who may develop NCDs in the future, as well as identifying those at risk of developing complications of an existing NCD. Prevention thereby reduces the burden of disease and cost on health services

▲ Early detection involves tools to aid health services in identifying patients with early stage diseases to help improve their treatment and outcomes

▲ Optimisation enables health services to more accurately predict and allocate their limited resources in order to provide the same or better care to the citizen

All of these approaches rely on broad, structured clinical data on a large scale to maximise the potential of deep learning neural networks.

技术优势
Technical benefits

- SystmOne的数据库是世界上最大的实时数据库之一，我们独特且先进的运算系统能够轻松运算5020万份健康档案数据，即使是面对超过10亿份的数据，也能保持同等运算效率

- TPP独创的灾后数据恢复系统可以保证患者数据的安全性，无论发生任何状况，系统中的患者数据都不会丢失

- SystmOne仅需简单基础的网络连线，使用范围不受城乡地域影响

- TPP的全自动运维服务器可在用户被影响前及时发现并解决系统问题

- TPP服务器每天处理超过十亿笔交易

- SystmOne's database is one of the largest real time databases in the world

- TPP's architecture regularly undergoes intensive third party penetration testing to ensure our technology remains 100% secure

- TPP's unique disaster recovery (DR) solution was written inhouse – all citizen information is secure and backed up in real time

- Minimal network requirements are needed, allowing SystmOne to be used in both rural and urban areas

- TPP's servers are self-monitoring – problems can be identified and fixed immediately

- TPP processes over a billion transactions on their servers every day

资质与荣誉
Qualification and Honor

认证　Qualified

SystmOne 软件 V1.0计算机软件著作权 （2014年）/ SystmOne 软件V1.0 软件产品登记证书 （2014年）发证机关：北京市经济和信息化委员会 / 爱阅历软件V1.0 计算机软件著作权 （2019年)

Computer Software Copyright Registration Certificate　(2014)
Software Product Registration Certificate (2014)
Airmid Software V1.0 Computer Software Registration Certificate (2019)

英国信息安全管理要求 / 英国一般保密法 / 2018英国数据保护法案 / 普通法保密责任 / 英国政府（2012健康与社会护理法案）临床风险管理标准

ISO/IEC 27002-2006 / General Laws of Confidentiality in UK / UK Data Protection Act 2018 / The Common Law Duty of Confidentiality / UK Government (Health and Social Care Act 2012) Clinical Risk Management standards

荣誉　Awarded

国家信息化政府奖/最佳信息技术团队奖（2011）/ EHI健康护理科技创新产品大奖（2016年）/ 杰出创新奖（电子衰弱指数）- 伦敦皇家医学院 （2017年）/ 最具创新技术企业 - 上海人工智能大会 （2018年）/ 最具国际创新影响力个人 - 上海人工智能大会 （2018年）/ 医疗IT产品创新奖（电子衰弱指数）/

Highly Commended IT Team Award (National Prison Contract) / Healthcare IP Product Innovation (Electronic Frailty Index) / Outstanding Innovator of the Year 2018 SHAI / Award for Excellence in Innovation in Health Care Industries 2018 SHAI / Outstanding Innovation (Electronic Frailty Index) / Innovation in Renal Medicine Award /